

Software Design Specification

Z-Wave Plus Device and Command Class Types and Defines Specification

Document No.:	SDS13740
Version:	1
Description:	-
Written By:	JFR
Date:	2016-08-26
Reviewed By:	JRM
Restrictions:	Public

Approved by:

Date CET Initials Name Justification 2016-08-26 11:48:51 NTJ Niels Thybo Johansen

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				REVISION RECORD
Doc. Rev	Date	Ву	Pages affected	Brief description of changes
1	20160823	JFR	All	Initial

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1 ABBREVIATIONS

Abbreviation	Explanation

2 INTRODUCTION

2.1 Purpose

List of all Device and Command Class types and defines based on [1]-[5].

3 TYPES AND DEFINES

The same content can be found in source code header file ZW_classcmd.h distributed in the Z-Wave Embedded Development Kit.

```
/*******************
              TYPES and DEFINITIONS
                                                                              #define ZW FRAME COLLECTION MACROO\
        ZW_COMMON_FRAME
                                                                                                                                                                     ZW_Common; \
 /* Command class Alarm */\
ZW_ALARM_GET_FRAME
                                                                                                                                                                                       ZW AlarmGetFrame; \
 ZW_ALARM_REPORT_FRAME
/* Command class Alarm V2 */\
                                                                                                                                                                                       ZW AlarmReportFrame; \
/* Command class Alarm V2 */\
ZW ALARM GET_V2 FRAME
ZW_ALARM_REPORT_1BYTE_V2_FRAME
ZW_ALARM_REPORT_2BYTE_V2_FRAME
ZW_ALARM_REPORT_3BYTE_V2_FRAME
ZW_ALARM_REPORT_3BYTE_V2_FRAME
ZW_ALARM_REPORT_4BYTE_V2_FRAME
ZW_ALARM_SET_V2_FRAME
ZW_ALARM_TYPE_SUPPORTED_GET_V2_FRAME
ZW_ALARM_TYPE_SUPPORTED_REPORT_1BYTE_V2_FRAME
ZW_ALARM_TYPE_SUPPORTED_REPORT_2BYTE_V2_FRAME
ZW_ALARM_TYPE_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_ALARM_TYPE_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_ALARM_TYPE_SUPPORTED_REPORT_4BYTE_V2_FRAME
ZW_ALARM_TYPE_SUPPORTED_REPORT_4BYTE_V2_FRAME
ZW_ALARM_TYPE_SUPPORTED_REPORT_4BYTE_V2_FRAME
/* Command class Notification V3 */\
ZW NOTIFICATION GET_V3_FRAME
                                                                                                                                                                                       ZW_AlarmGetV2Frame; \
                                                                                                                                                                                       ZW_AlarmReport1byteV2Frame;\
ZW_AlarmReport2byteV2Frame;\
                                                                                                                                                                                        ZW AlarmReport3byteV2Frame; \
                                                                                                                                                                                        ZW_AlarmReport4byteV2Frame; \
                                                                                                                                                                                        ZW_AlarmSetV2Frame; \
                                                                                                                                                                                        ZW_AlarmTypeSupportedGetV2Frame; \
                                                                                                                                                                                       ZW_AlarmTypeSupportedReport1byteV2Frame;\
ZW_AlarmTypeSupportedReport2byteV2Frame;\
ZW_AlarmTypeSupportedReport3byteV2Frame;\
                                                                                                                                                                                        ZW AlarmTypeSupportedReport4byteV2Frame; \
     ZW NOTIFICATION GET V3 FRAME
ZW NOTIFICATION REPORT 1BYTE V3 FRAME
ZW NOTIFICATION REPORT 2BYTE V3 FRAME
ZW NOTIFICATION REPORT 3BYTE V3 FRAME
ZW NOTIFICATION REPORT 4BYTE V3 FRAME
                                                                                                                                                                                        ZW_NotificationGetV3Frame; \
                                                                                                                                                                                       ZW_NotificationReport1byteV3Frame;\
ZW_NotificationReport2byteV3Frame;\
ZW_NotificationReport3byteV3Frame;\
                                                                                                                                                                                        ZW_NotificationReport4byteV3Frame;\
     ZW_NOTIFICATION_REPORT_4BYTE_V3_FRAME
ZW_NOTIFICATION_SUPPORTED_GET_V3_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V3_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V3_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V3_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V3_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V3_FRAME
                                                                                                                                                                                        ZW_NotificationSetV3Frame;\
                                                                                                                                                                                        ZW_NotificationSupportedGetV3Frame; \
                                                                                                                                                                                       ZW_NotificationSupportedReport1byteV3Frame;\
ZW_NotificationSupportedReport2byteV3Frame;\
ZW_NotificationSupportedReport3byteV3Frame;\
                                                                                                                                                                                        ZW_NotificationSupportedReport4byteV3Frame; \
ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V.
ZW_EVENT_SUPPORTED_GET_V3_FRAME
ZW_EVENT_SUPPORTED_REPORT_1BYTE_V3_FRAME
ZW_EVENT_SUPPORTED_REPORT_2BYTE_V3_FRAME
ZW_EVENT_SUPPORTED_REPORT_3BYTE_V3_FRAME
ZW_EVENT_SUPPORTED_REPORT_4BYTE_V3_FRAME
/* Command_class_Notification_V4_*/\
ZW_NOTIFICATION_CET_V4_FRAME
                                                                                                                                                                                        ZW_EventSupportedGetV3Frame; \
                                                                                                                                                                                        ZW_EventSupportedReport1byteV3Frame; \
                                                                                                                                                                                       ZW_EventSupportedReport2byteV3Frame;\
ZW_EventSupportedReport3byteV3Frame;\
                                                                                                                                                                                        ZW EventSupportedReport4byteV3Frame; \
      ZW_NOTIFICATION_GET_V4_FRAME
                                                                                                                                                                                        ZW NotificationGetV4Frame; \
     ZW NOTIFICATION REPORT 1BYTE V4 FRAME ZW NOTIFICATION REPORT 2BYTE V4 FRAME ZW NOTIFICATION REPORT 3BYTE V4 FRAME ZW NOTIFICATION REPORT 4BYTE V4 FRAME ZW NOTIFICATION SET V4 FRAME
                                                                                                                                                                                       ZW_NotificationReport1byteV4Frame;\
                                                                                                                                                                                       ZW_NotificationReport2byteV4Frame;\
ZW_NotificationReport3byteV4Frame;\
                                                                                                                                                                                        ZW_NotificationReport4byteV4Frame; \
                                                                                                                                                                                        ZW_NotificationSetV4Frame; \
ZW_NOTIFICATION_SET_V4_FRAME

ZW_NOTIFICATION_SUPPORTED_GET_V4_FRAME

ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V4_FRAME

ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V4_FRAME

ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V4_FRAME

ZW_EVENT_SUPPORTED_GET_V4_FRAME

ZW_EVENT_SUPPORTED_REPORT_1BYTE_V4_FRAME

ZW_EVENT_SUPPORTED_REPORT_2BYTE_V4_FRAME

ZW_EVENT_SUPPORTED_REPORT_3BYTE_V4_FRAME

ZW_EVENT_SUPPORTED_REPORT_3BYTE_V4_FRAME

ZW_EVENT_SUPPORTED_REPORT_4BYTE_V4_FRAME

ZW_EVENT_SUPPORTED_REPORT_BYTE_V4_FRAME

ZW_EVENT_SUPPORTED_REPORT_BYTE_V4_FRAME

ZW_EVENT_SUPPORTED_REPORT_BYTE_V4_FRAME

ZW_EVENT_SUPPORTED_REPORT_BYTE_V4_FRAME

ZW_EVENT_SUPPORTED_REPORT_BYTE_V4_FRAME

ZW_EVENT_SUPPORTED_REPORT_BYTE_V4_FRAME

ZW_EVENT_SUPPORTED_REPORT_BYTE_V4_FRAME

ZW_EVENT_SUPPORTED_FRAME
                                                                                                                                                                                        ZW_NotificationSupportedGetV4Frame; \
                                                                                                                                                                                       ZW_NotificationSupportedReport1byteV4Frame;\
ZW_NotificationSupportedReport2byteV4Frame;\
ZW_NotificationSupportedReport3byteV4Frame;\
                                                                                                                                                                                        ZW NotificationSupportedReport4byteV4Frame; \
                                                                                                                                                                                        ZW_EventSupportedGetV4Frame; \
                                                                                                                                                                                       ZW_EventSupportedReport1byteV4Frame;\
ZW_EventSupportedReport2byteV4Frame;\
                                                                                                                                                                                       ZW EventSupportedReport3byteV4Frame; \
                                                                                                                                                                                        ZW EventSupportedReport4byteV4Frame; \
     ZW_NOTIFICATION_GET_V5_FRAME
ZW_NOTIFICATION_REPORT_1BYTE_V5_FRAME
ZW_NOTIFICATION_REPORT_2BYTE_V5_FRAME
ZW_NOTIFICATION_REPORT_3BYTE_V5_FRAME
ZW_NOTIFICATION_REPORT_4BYTE_V5_FRAME
ZW_NOTIFICATION_SET_V5_FRAME
                                                                                                                                                                                        ZW_NotificationGetV5Frame; \
                                                                                                                                                                                        ZW_NotificationReport1byteV5Frame;\
                                                                                                                                                                                       ZW_NotificationReport2byteV5Frame;\
ZW_NotificationReport3byteV5Frame;\
ZW_NotificationReport4byteV5Frame;\
                                                                                                                                                                                        ZW_NotificationSetV5Frame; \
     ZW_NOTIFICATION_SUPPORTED_GET_V5_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V5_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V5_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V5_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V5_FRAME
ZW_EVENT_SUPPORTED_GET_V5_FRAME
ZW_EVENT_SUPPORTED_REPORT_1BYTE_V5_FRAME
ZW_EVENT_SUPPORTED_REPORT_2BYTE_V5_FRAME
ZW_EVENT_SUPPORTED_REPORT_3BYTE_V5_FRAME
ZW_EVENT_SUPPORTED_REPORT_3BYTE_V5_FRAME
ZW_EVENT_SUPPORTED_REPORT_3BYTE_V5_FRAME
ZW_EVENT_SUPPORTED_REPORT_4BYTE_V5_FRAME
                                                                                                                                                                                        ZW_NotificationSupportedGetV5Frame; \
                                                                                                                                                                                       ZW_NotificationSupportedReport1byteV5Frame;\
ZW_NotificationSupportedReport2byteV5Frame;\
ZW_NotificationSupportedReport3byteV5Frame;\
                                                                                                                                                                                        ZW NotificationSupportedReport4byteV5Frame; \
                                                                                                                                                                                        ZW_EventSupportedGetV5Frame; \
                                                                                                                                                                                       ZW_EventSupportedReport1byteV5Frame; \
                                                                                                                                                                                       ZW_EventSupportedReport2byteV5Frame;\
ZW_EventSupportedReport3byteV5Frame;\
                                                                                                                                                                                        ZW EventSupportedReport4byteV5Frame; \
```

```
/* Command class Notification V6 */\
ZW_NOTIFICATION_GET_V6_FRAME
ZW_NOTIFICATION_REPORT_1BYTE_V6_FRAME
ZW_NOTIFICATION_REPORT_2BYTE_V6_FRAME
ZW_NOTIFICATION_REPORT_3BYTE_V6_FRAME
ZW_NOTIFICATION_REPORT_3BYTE_V6_FRAME
ZW_NOTIFICATION_SET_V6_FRAME
ZW_NOTIFICATION_SUPPORTED_GET_V6_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V6_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V6_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V6_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V6_FRAME
ZW_EVENT_SUPPORTED_GET_V6_FRAME
ZW_EVENT_SUPPORTED_REPORT_3BYTE_V6_FRAME
ZW_EVENT_SUPPORTED_REPORT_3BYTE_V6_FRAME
ZW_EVENT_SUPPORTED_REPORT_3BYTE_V6_FRAME
ZW_EVENT_SUPPORTED_REPORT_3BYTE_V6_FRAME
ZW_EVENT_SUPPORTED_REPORT_3BYTE_V6_FRAME
ZW_EVENT_SUPPORTED_REPORT_3BYTE_V6_FRAME
ZW_EVENT_SUPPORTED_REPORT_3BYTE_V6_FRAME
ZW_EVENT_SUPPORTED_REPORT_4BYTE_V6_FRAME
  /* Command class Notification V6 */\
                                                                                                                                                                                                                                                ZW_NotificationGetV6Frame; \
                                                                                                                                                                                                                                              ZW_NotificationReport1byteV6Frame;\
ZW_NotificationReport2byteV6Frame;\
ZW_NotificationReport3byteV6Frame;\
ZW_NotificationReport4byteV6Frame;\
                                                                                                                                                                                                                                                ZW NotificationSetV6Frame; \
                                                                                                                                                                                                                                                ZW_NotificationSupportedGetV6Frame; \
                                                                                                                                                                                                                                               ZW_NotificationSupportedReport1byteV6Frame;\
ZW_NotificationSupportedReport2byteV6Frame;\
ZW_NotificationSupportedReport3byteV6Frame;\
                                                                                                                                                                                                                                               ZW_MotificationSupportedReport4byteV6Frame;\
ZW_EventSupportedGetV6Frame;\
                                                                                                                                                                                                                                                ZW_EventSupportedReport1byteV6Frame; \
                                                                                                                                                                                                                                               ZW_EventSupportedReport2byteV6Frame;\
ZW_EventSupportedReport3byteV6Frame;\
ZW_EventSupportedReport4byteV6Frame;\
      * Command class Notification V7 */\
ZW_NOTIFICATION_GET_V7_FRAME
ZW_NOTIFICATION_REPORT_1BYTE_V7_FRAME
ZW_NOTIFICATION_REPORT_2BYTE_V7_FRAME
ZW_NOTIFICATION_REPORT_3BYTE_V7_FRAME
ZW_NOTIFICATION_REPORT_4BYTE_V7_FRAME
ZW_NOTIFICATION_SET_V7_FRAME
ZW_NOTIFICATION_SUPPORTED_GET_V7_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V7_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V7_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V7_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V7_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V7_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V7_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V7_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V7_FRAME
ZW_EVENT_SUPPORTED_GET_V7_FRAME
                                                                                                                                                                                                                                                ZW_NotificationGetV7Frame; \
                                                                                                                                                                                                                                                ZW_NotificationReport1byteV7Frame;\
                                                                                                                                                                                                                                               ZW_NotificationReport2byteV7Frame;\
ZW_NotificationReport3byteV7Frame;\
                                                                                                                                                                                                                                                ZW_NotificationReport4byteV7Frame; \
                                                                                                                                                                                                                                                ZW NotificationSetV7Frame; \
                                                                                                                                                                                                                                                ZW NotificationSupportedGetV7Frame; \
                                                                                                                                                                                                                                                ZW_NotificationSupportedReport1byteV7Frame; \
                                                                                                                                                                                                                                               ZW_NotificationSupportedReport2byteV7Frame;\
ZW_NotificationSupportedReport3byteV7Frame;\
ZW_NotificationSupportedReport4byteV7Frame;\
       ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V
ZW_EVENT_SUPPORTED_GET_V7_FRAME
ZW_EVENT_SUPPORTED_REPORT_1BYTE_V7_FRAME
ZW_EVENT_SUPPORTED_REPORT_2BYTE_V7_FRAME
ZW_EVENT_SUPPORTED_REPORT_3BYTE_V7_FRAME
ZW_EVENT_SUPPORTED_REPORT_4BYTE_V7_FRAME
* Command_class_Notification_V8_*/\
                                                                                                                                                                                                                                                ZW_EventSupportedGetV7Frame;
                                                                                                                                                                                                                                                ZW_EventSupportedReport1byteV7Frame; \
                                                                                                                                                                                                                                                ZW_EventSupportedReport2byteV7Frame; \
                                                                                                                                                                                                                                              ZW_EventSupportedReport3byteV7Frame;\
ZW_EventSupportedReport4byteV7Frame;\
      * Command class Notification V8 */\
ZW_NOTIFICATION_GET_V8_FRAME
ZW_NOTIFICATION_REPORT_IBYTE_V8_FRAME
ZW_NOTIFICATION_REPORT_2BYTE_V8_FRAME
ZW_NOTIFICATION_REPORT_3BYTE_V8_FRAME
ZW_NOTIFICATION_REPORT_3BYTE_V8_FRAME
ZW_NOTIFICATION_SUPPORTED_GET_V8_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V8_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V8_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V8_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V8_FRAME
ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_1BYTE_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_1BYTE_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_3BYTE_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_SBYTE_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_SBYTE_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_SBYTE_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_SBYTE_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_SBYTE_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_SBYTE_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_SBYTE_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_SBYTE_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_SBYTE_V8_FRAME
                                                                                                                                                                                                                                                ZW NotificationGetV8Frame; \
                                                                                                                                                                                                                                                ZW_NotificationReport1byteV8Frame;\
                                                                                                                                                                                                                                              ZW_NotificationReport2byteV8Frame;\
ZW_NotificationReport3byteV8Frame;\
ZW_NotificationReport4byteV8Frame;\
ZW_NotificationSetV8Frame;\
                                                                                                                                                                                                                                                ZW_NotificationSupportedGetV8Frame; \
                                                                                                                                                                                                                                                ZW_NotificationSupportedReport1byteV8Frame; \
                                                                                                                                                                                                                                              ZW_NotificationSupportedReportIbytev8Frame;\
ZW_NotificationSupportedReport3bytev8Frame;\
ZW_NotificationSupportedReport4bytev8Frame;\
ZW_EventSupportedGetV8Frame;\
                                                                                                                                                                                                                                                ZW_EventSupportedReport1byteV8Frame; \
                                                                                                                                                                                                                                                ZW_EventSupportedReport2byteV8Frame; \
                                                                                                                                                                                                                                                ZW_EventSupportedReport3byteV8Frame; \
                                                                                                                                                                                                                                               ZW_EventSupportedReport4byteV8Frame; \
  /* Command class Application Status */\
ZW_APPLICATION_BUSY_FRAME
                                                                                                                                                                                                                                                ZW ApplicationBusyFrame; \
                                                                                                                                                                                                                                                ZW_ApplicationRejectedRequestFrame; \
         ZW_APPLICATION_REJECTED_REQUEST_FRAME
ZW_APPLICATION_REJECTED_REQUEST_FRAME

/* Command class Association Command Configuration */\
ZW_COMMAND_CONFIGURATION_GET_FRAME
ZW_COMMAND_CONFIGURATION_REPORT_1BYTE_FRAME
ZW_COMMAND_CONFIGURATION_REPORT_2BYTE_FRAME
ZW_COMMAND_CONFIGURATION_REPORT_3BYTE_FRAME
ZW_COMMAND_CONFIGURATION_REPORT_4BYTE_FRAME
ZW_COMMAND_CONFIGURATION_SET_1BYTE_FRAME
ZW_COMMAND_CONFIGURATION_SET_2BYTE_FRAME
ZW_COMMAND_CONFIGURATION_SET_3BYTE_FRAME
ZW_COMMAND_CONFIGURATION_SET_3BYTE_FRAME
ZW_COMMAND_CONFIGURATION_SET_4BYTE_FRAME
ZW_COMMAND_RECORDS_SUPPORTED_GET_FRAME
ZW_COMMAND_RECORDS_SUPPORTED_REPORT_FRAME
ZW_COMMAND_RECORDS_SUPPORTED_REPORT_FRAME
                                                                                                                                                                                                                                                ZW_CommandConfigurationGetFrame; \
                                                                                                                                                                                                                                               ZW_CommandConfigurationReport1byteFrame;\
ZW_CommandConfigurationReport2byteFrame;\
                                                                                                                                                                                                                                                ZW_CommandConfigurationReport3byteFrame;
                                                                                                                                                                                                                                                ZW_CommandConfigurationReport4byteFrame;
                                                                                                                                                                                                                                              ZW_CommandConfigurationSet1byteFrame;\
ZW_CommandConfigurationSet2byteFrame;\
ZW_CommandConfigurationSet3byteFrame;\
ZW_CommandConfigurationSet4byteFrame;\
                                                                                                                                                                                                                                                ZW CommandRecordsSupportedGetFrame;
         ZW_COMMAND_RECORDS_SUPPORTED_REPORT_FRAME
                                                                                                                                                                                                                                                ZW_CommandRecordsSupportedReportFrame; \
  /* Command class Association */\
ZW_ASSOCIATION_GET_FRAME
ZW_ASSOCIATION_GROUPINGS_GET_FRAME
ZW_ASSOCIATION_GROUPINGS_REPORT_FRAME
                                                                                                                                                                                                                                               ZW_AssociationGetFrame;\
ZW_AssociationGroupingsGetFrame;\
       ZW ASSOCIATION GROUPINGS REPORT FF
ZW ASSOCIATION REMOVE 1BYTE FRAME
ZW ASSOCIATION REMOVE 2BYTE FRAME
ZW ASSOCIATION REMOVE 3BYTE FRAME
ZW ASSOCIATION REPORT 1BYTE FRAME
ZW ASSOCIATION REPORT 1BYTE FRAME
ZW ASSOCIATION REPORT 2BYTE FRAME
ZW ASSOCIATION REPORT 3BYTE FRAME
ZW ASSOCIATION REPORT 4BYTE FRAME
ZW ASSOCIATION SET 1BYTE FRAME
ZW ASSOCIATION SET 1BYTE FRAME
ZW ASSOCIATION SET 2BYTE FRAME
ZW ASSOCIATION SET 3BYTE FRAME
                                                                                                                                                                                                                                                ZW AssociationGroupingsReportFrame; \
                                                                                                                                                                                                                                                ZW_AssociationRemove1byteFrame;
                                                                                                                                                                                                                                                ZW_AssociationRemove2byteFrame;
                                                                                                                                                                                                                                               ZW_AssociationRemove3byteFrame;\
ZW_AssociationRemove4byteFrame;\
                                                                                                                                                                                                                                                ZW AssociationReport1byteFrame;
                                                                                                                                                                                                                                                ZW AssociationReport2byteFrame; \
                                                                                                                                                                                                                                                ZW_AssociationReport3byteFrame;
                                                                                                                                                                                                                                                ZW_AssociationReport4byteFrame; \
                                                                                                                                                                                                                                               ZW_AssociationSet1byteFrame;\
ZW_AssociationSet2byteFrame;\
                                                                                                                                                                                                                                                ZW AssociationSet3byteFrame; \
```

```
ZW_ASSOCIATION_SET_4BYTE_FRAME

/* Command class Association V2 */\
ZW_ASSOCIATION_GET_V2_FRAME
ZW_ASSOCIATION_GROUPINGS_GET_V2_FRAME
ZW_ASSOCIATION_GROUPINGS_REPORT_V2_FRAME
ZW_ASSOCIATION_REMOVE_1BYTE_V2_FRAME
ZW_ASSOCIATION_REMOVE_2BYTE_V2_FRAME
ZW_ASSOCIATION_REMOVE_3BYTE_V2_FRAME
ZW_ASSOCIATION_REMOVE_4BYTE_V2_FRAME
ZW_ASSOCIATION_REPORT_1BYTE_V2_FRAME
ZW_ASSOCIATION_REPORT_2BYTE_V2_FRAME
ZW_ASSOCIATION_REPORT_3BYTE_V2_FRAME
ZW_ASSOCIATION_REPORT_3BYTE_V2_FRAME
ZW_ASSOCIATION_REPORT_4BYTE_V2_FRAME
ZW_ASSOCIATION_SET_1BYTE_V2_FRAME
ZW_ASSOCIATION_SET_1BYTE_V2_FRAME
ZW_ASSOCIATION_SET_1BYTE_V2_FRAME
ZW_ASSOCIATION_SET_3BYTE_V2_FRAME
ZW_ASSOCIATION_SET_3BYTE_V2_FRAME
ZW_ASSOCIATION_SET_3BYTE_V2_FRAME
ZW_ASSOCIATION_SET_3BYTE_V2_FRAME
ZW_ASSOCIATION_SET_GROUP_REPORT_V2_FRAME
ZW_ASSOCIATION_SPECIFIC_GROUP_REPORT_V2_FRAME
ZW_ASSOCIATION_SPECIFIC_GROUP_REPORT_V2_FRAME
ZW_ASSOCIATION_SPECIFIC_GROUP_REPORT_V2_FRAME
ZW_ASSOCIATION_SPECIFIC_GROUP_REPORT_V2_FRAME
ZW_ASSOCIATION_SPECIFIC_GROUP_REPORT_V2_FRAME
ZW_ASSOCIATION_SPECIFIC_GROUP_REPORT_V2_FRAME
ZW_ASSOCIATION_SPECIFIC_GROUP_REPORT_V2_FRAME
ZW_ASSOCIATION_SPECIFIC_GROUP_REPORT_V2_FRAME
ZW_ASSOCIATION_SPECIFIC_GROUP_REPORT_V2_FRAME
        ZW ASSOCIATION SET 4BYTE FRAME
                                                                                                                                                                                                                                     ZW AssociationSet4byteFrame; \
                                                                                                                                                                                                                                     ZW AssociationGetV2Frame; \
                                                                                                                                                                                                                                    ZW_AssociationGroupingsGetV2Frame;\
ZW_AssociationGroupingsReportV2Frame;\
ZW_AssociationRemove1byteV2Frame;\
                                                                                                                                                                                                                                     ZW AssociationRemove2byteV2Frame;
                                                                                                                                                                                                                                     ZW_AssociationRemove3byteV2Frame; \
                                                                                                                                                                                                                                     ZW_AssociationRemove4byteV2Frame; \
                                                                                                                                                                                                                                     ZW_AssociationReport1byteV2Frame; \
                                                                                                                                                                                                                                    ZW_AssociationReport1bytev2Frame;\
ZW_AssociationReport2byteV2Frame;\
ZW_AssociationReport3byteV2Frame;\
                                                                                                                                                                                                                                     ZW AssociationReport4byteV2Frame; \
                                                                                                                                                                                                                                     ZW_AssociationSet1byteV2Frame; \
                                                                                                                                                                                                                                     ZW_AssociationSet2byteV2Frame; \
                                                                                                                                                                                                                                    ZW_AssociationSet3byteV2Frame;\
ZW AssociationSet4byteV2Frame;\
                                                                                                                                                                                                                                     ZW_AssociationSpecificGroupGetV2Frame; \
                                                                                                                                                                                                                                     ZW_AssociationSpecificGroupReportV2Frame; \
  /* Command class Av Content Directory Md */\
       Command class Av Content Directory Md */\
ZW_AV_CONTENT_BROWSE_MD_BY_LETTER_GET_FRAME
ZW_AV_CONTENT_BROWSE_MD_BY_LETTER_REPORT_FRAME
ZW_AV_CONTENT_BROWSE_MD_CHILD_COUNT_GET_FRAME
ZW_AV_CONTENT_BROWSE_MD_GET_FRAME
ZW_AV_CONTENT_BROWSE_MD_GET_FRAME
ZW_AV_CONTENT_BROWSE_MD_REPORT_FRAME
                                                                                                                                                                                                                                     \begin{tabular}{ll} ZW\_AvContentBrowseMdByLetterGetFrame; $\setminus ZW\_AvContentBrowseMdByLetterReportFrame; $\setminus ZW
                                                                                                                                                                                                                                     ZW AvContentBrowseMdChildCountGetFrame;
                                                                                                                                                                                                                                     ZW AvContentBrowseMdChildCountReportFrame; \
                                                                                                                                                                                                                                     ZW AvContentBrowseMdGetFrame; \
                                                                                                                                                                                                                                     ZW_AvContentBrowseMdReportFrame; \
 ZW_AV_MATCH_ITEM_TO_RENDERER_MD_GET_FRAME
ZW_AV_MATCH_ITEM_TO_RENDERER_MD_REPORT_FRAME
/* Command_class_Av_Content_Search_Md_**/\
ZW_AV_CONTENT_SEARCH_MD_GET_FRAME
ZW_AV_CONTENT_SEARCH_MD_REPORT_FRAME
                                                                                                                                                                                                                                     ZW AvMatchItemToRendererMdGetFrame; \
                                                                                                                                                                                                                                     ZW AvMatchItemToRendererMdReportFrame; \
                                                                                                                                                                                                                                     ZW_AvContentSearchMdGetFrame; \
                                                                                                                                                                                                                                     ZW AvContentSearchMdReportFrame; \
 /* Command class Av Renderer Status */
ZW_AV_RENDERER STATUS_GET_FRAME
ZW_AV_RENDERER STATUS_REPORT_FRAME
/* Command class Av Tagging Md */\
ZW_AV_TAGGING_MD_GET_FRAME
                                                                                                                                                                                                                                     ZW_AvRendererStatusGetFrame; \
                                                                                                                                                                                                                                     ZW AvRendererStatusReportFrame; \
                                                                                                                                                                                                                                     ZW AvTaggingMdGetFrame; \
        ZW_AV_TAGGING_MD_REPORT_FRAME
                                                                                                                                                                                                                                     ZW_AvTaggingMdReportFrame; \
 /* Command class Basic Tariff Info */\
ZW_BASIC_TARIFF_INFO_GET_FRAME
ZW_BASIC_TARIFF_INFO_REPORT_FRAME
/* Command class Basic Window Covering */\
                                                                                                                                                                                                                                     ZW BasicTariffInfoGetFrame:\
                                                                                                                                                                                                                                     ZW_BasicTariffInfoReportFrame;\
        ZW BASIC WINDOW COVERING START LEVEL CHANGE_FRAME ZW_BASIC_WINDOW_COVERING_STOP_LEVEL_CHANGE_FRAME
                                                                                                                                                                                                                                     ZW_BasicWindowCoveringStartLevelChangeFrame; \
                                                                                                                                                                                                                                     ZW BasicWindowCoveringStopLevelChangeFrame; \
 ZW_BASIC_WINDOW_COVERING_ST.

/* Command class Basic */\
ZW_BASIC_GET_FRAME
ZW_BASIC_REPORT_FRAME
ZW_BASIC_SET_FRAME
/* Command class Basic V2 */\
ZW_BASIC_SET_V2_FRAME
                                                                                                                                                                                                                                     ZW BasicGetFrame; \
                                                                                                                                                                                                                                     ZW BasicReportFrame; \
                                                                                                                                                                                                                                     ZW BasicSetFrame; \
 ZW_BASIC_GET_V2_FRAME
ZW_BASIC_REPORT_V2_FRAME
ZW_BASIC_SET_V2_FRAME
/* Command_class_Battery_*,
ZW_BATTERY_GET_FRAME
                                                                                                                                                                                                                                     ZW_BasicGetV2Frame; \
                                                                                                                                                                                                                                    ZW_BasicReportV2Frame;\
ZW_BasicSetV2Frame;\
                                                                                                                                                                                                                                     ZW BatteryGetFrame; \
         ZW_BATTERY_REPORT_FRAME
                                                                                                                                                                                                                                     ZW_BatteryReportFrame; \
 /* Command class Chimney Fan */\
ZW_CHIMNEY_FAN_ALARM_LOG_GET_FRAME
ZW_CHIMNEY_FAN_ALARM_LOG_REPORT_FRAME
ZW_CHIMNEY_FAN_ALARM_LOG_SET_FRAME
                                                                                                                                                                                                                                    ZW_ChimneyFanAlarmLogGetFrame;\
ZW_ChimneyFanAlarmLogReportFrame;\
ZW_ChimneyFanAlarmLogSetFrame;\
      ZW_CHINNEY_FAN_ALARM_LOG_SET_FRAME
ZW_CHINNEY_FAN_ALARM_STATUS_GET_FRAME
ZW_CHINNEY_FAN_ALARM_STATUS_REPORT_FRAME
ZW_CHINNEY_FAN_ALARM_STATUS_SET_FRAME
ZW_CHINNEY_FAN_ALARM_STATUS_SET_FRAME
ZW_CHINNEY_FAN_ALARM_TEMP_GET_FRAME
ZW_CHINNEY_FAN_ALARM_TEMP_REPORT_1BYTE_FRAME
ZW_CHINNEY_FAN_ALARM_TEMP_REPORT_2BYTE_FRAME
ZW_CHINNEY_FAN_ALARM_TEMP_REPORT_3BYTE_FRAME
ZW_CHINNEY_FAN_ALARM_TEMP_REPORT_4BYTE_FRAME
ZW_CHINNEY_FAN_ALARM_TEMP_SET_1BYTE_FRAME
ZW_CHINNEY_FAN_ALARM_TEMP_SET_3BYTE_FRAME
ZW_CHINNEY_FAN_ALARM_TEMP_SET_3BYTE_FRAME
ZW_CHINNEY_FAN_ALARM_TEMP_SET_3BYTE_FRAME
ZW_CHINNEY_FAN_BOOST_TIME_GET_FRAME
ZW_CHINNEY_FAN_BOOST_TIME_GET_FRAME
ZW_CHINNEY_FAN_BOOST_TIME_SET_FRAME
ZW_CHINNEY_FAN_BOOST_TIME_SET_FRAME
ZW_CHINNEY_FAN_BOOST_TIME_SET_FRAME
ZW_CHINNEY_FAN_BOOST_TIME_SET_FRAME
ZW_CHINNEY_FAN_MIN_SPEED_GET_FRAME
ZW_CHINNEY_FAN_MIN_SPEED_SET_FRAME
ZW_CHINNEY_FAN_MIN_SPEED_SET_FRAME
ZW_CHINNEY_FAN_MIN_SPEED_SET_FRAME
ZW_CHINNEY_FAN_MIN_SPEED_SET_FRAME
ZW_CHINNEY_FAN_MIN_SPEED_SET_FRAME
ZW_CHINNEY_FAN_MIN_SPEED_SET_FRAME
                                                                                                                                                                                                                                     ZW_ChimneyFanAlarmStatusGetFrame; \
                                                                                                                                                                                                                                     ZW_ChimneyFanAlarmStatusReportFrame; \
                                                                                                                                                                                                                                    ZW_ChimneyFanAlarmStatusSetFrame;\
ZW_ChimneyFanAlarmTempGetFrame;\
ZW_ChimneyFanAlarmTempReport1byteFrame;\
ZW_ChimneyFanAlarmTempReport2byteFrame;\
                                                                                                                                                                                                                                     ZW ChimneyFanAlarmTempReport3byteFrame;
                                                                                                                                                                                                                                     ZW_ChimneyFanAlarmTempReport4byteFrame; \
                                                                                                                                                                                                                                    ZW_ChimneyFanAlarmTempSet1byteFrame;\
ZW_ChimneyFanAlarmTempSet2byteFrame;\
                                                                                                                                                                                                                                     ZW ChimneyFanAlarmTempSet3byteFrame; \
                                                                                                                                                                                                                                     ZW ChimneyFanAlarmTempSet4byteFrame; \
                                                                                                                                                                                                                                     ZW_ChimneyFanBoostTimeGetFrame;
                                                                                                                                                                                                                                     ZW_ChimneyFanBoostTimeReportFrame; \
                                                                                                                                                                                                                                    ZW_ChimneyFanBoostTimeSetFrame;\
ZW_ChimneyFanDefaultSetFrame;\
                                                                                                                                                                                                                                     ZW ChimneyFanMinSpeedGetFrame;
                                                                                                                                                                                                                                     ZW ChimneyFanMinSpeedReportFrame; \
                                                                                                                                                                                                                                     ZW_ChimneyFanMinSpeedSetFrame; \
        ZW_CHIMNEY_FAN_MODE_GET_FRAME
ZW_CHIMNEY_FAN_MODE_REPORT_FRAME
ZW_CHIMNEY_FAN_MODE_SET_FRAME
ZW_CHIMNEY_FAN_SETUP_GET_FRAME
                                                                                                                                                                                                                                     ZW_ChimneyFanModeGetFrame; \
                                                                                                                                                                                                                                    ZW_ChimneyFanModeReportFrame; \
ZW_ChimneyFanModeSetFrame; \
                                                                                                                                                                                                                                     ZW ChimneyFanSetupGetFrame; \
```

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ZW CHIMNEY FAN SETUP REPORT 1BYTE FRAME
                                                                                                                                                                                       ZW ChimneyFanSetupReport1byteFrame; \
      ZW CHIMNEY FAN SETUP REPORT 1BYTE FRAME
ZW CHIMNEY FAN SETUP REPORT 2BYTE FRAME
ZW CHIMNEY FAN SETUP REPORT 3BYTE FRAME
ZW CHIMNEY FAN SETUP REPORT 4BYTE FRAME
ZW CHIMNEY FAN SETUP SET 1BYTE FRAME
ZW CHIMNEY FAN SETUP SET 2BYTE FRAME
ZW CHIMNEY FAN SETUP SET 3BYTE FRAME
ZW CHIMNEY FAN SETUP SET 4BYTE FRAME
ZW CHIMNEY FAN SPEED GET FRAME
ZW CHIMNEY FAN SPEED REPORT FRAME
ZW CHIMNEY FAN SPEED REPORT FRAME
                                                                                                                                                                                       ZW_ChimneyFanSetupReport2byteFrame;
                                                                                                                                                                                       ZW ChimneyFanSetupReport3byteFrame; \
                                                                                                                                                                                       ZW_ChimneyFanSetupReport4byteFrame; \
ZW_ChimneyFanSetupSet1byteFrame; \
                                                                                                                                                                                       ZW ChimneyFanSetupSet2byteFrame;
                                                                                                                                                                                       ZW ChimneyFanSetupSet3byteFrame;
                                                                                                                                                                                       ZW_ChimneyFanSetupSet4byteFrame; \
                                                                                                                                                                                       ZW_ChimneyFanSpeedGetFrame;\
ZW_ChimneyFanSpeedReportFrame;
ZW_ChimneyFanSpeedSetFrame;\
     ZW_CHIMNEY_FAN_SPEED_REPORT_FRAME
ZW_CHIMNEY_FAN_SPEED_SET_FRAME
ZW_CHIMNEY_FAN_START_TEMP_GET_FRAME
ZW_CHIMNEY_FAN_START_TEMP_REPORT_1BYTE_FRAME
ZW_CHIMNEY_FAN_START_TEMP_REPORT_2BYTE_FRAME
ZW_CHIMNEY_FAN_START_TEMP_REPORT_3BYTE_FRAME
ZW_CHIMNEY_FAN_START_TEMP_REPORT_4BYTE_FRAME
ZW_CHIMNEY_FAN_START_TEMP_SET_1BYTE_FRAME
ZW_CHIMNEY_FAN_START_TEMP_SET_2BYTE_FRAME
ZW_CHIMNEY_FAN_START_TEMP_SET_3BYTE_FRAME
ZW_CHIMNEY_FAN_START_TEMP_SET_4BYTE_FRAME
ZW_CHIMNEY_FAN_START_TEMP_SET_4BYTE_FRAME
ZW_CHIMNEY_FAN_STATE_GET_FRAME
ZW_CHIMNEY_FAN_STATE_GET_FRAME
ZW_CHIMNEY_FAN_STATE_ST_FRAME
ZW_CHIMNEY_FAN_STATE_SET_FRAME
ZW_CHIMNEY_FAN_STATUS_GET_FRAME
ZW_CHIMNEY_FAN_STATUS_GET_FRAME
ZW_CHIMNEY_FAN_STATUS_REPORT_1BYTE_FRAME
ZW_CHIMNEY_FAN_STATUS_REPORT_1BYTE_FRAME
                                                                                                                                                                                       ZW ChimneyFanStartTempGetFrame; \
                                                                                                                                                                                       ZW ChimneyFanStartTempReport1byteFrame; \
                                                                                                                                                                                       ZW_ChimneyFanStartTempReport2byteFrame;
                                                                                                                                                                                       ZW_ChimneyFanStartTempReport3byteFrame;\
ZW_ChimneyFanStartTempReport4byteFrame;\
ZW_ChimneyFanStartTempSet1byteFrame;\
                                                                                                                                                                                       ZW_ChimneyFanStartTempSet2byteFrame;
                                                                                                                                                                                       ZW_ChimneyFanStartTempSet3byteFrame; \
                                                                                                                                                                                       ZW_ChimneyFanStartTempSet4byteFrame; \
                                                                                                                                                                                       ZW_ChimneyFanStateGetFrame;\
ZW_ChimneyFanStateReportFrame;
                                                                                                                                                                                       ZW ChimneyFanStateSetFrame;
                                                                                                                                                                                       ZW ChimneyFanStatusGetFrame;
ZW_CHIMNEY_FAN_STATUS_REPORT_1BYTE_FRAME
ZW_CHIMNEY_FAN_STATUS_REPORT_2BYTE_FRAME
ZW_CHIMNEY_FAN_STATUS_REPORT_3BYTE_FRAME
ZW_CHIMNEY_FAN_STATUS_REPORT_3BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_GET_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_1BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_3BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_3BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_3BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_SET_1BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_SET_1BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_SET_3BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_SET_3BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_SET_4BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_SET_4BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TIME_GET_FRAME
ZW_CHIMNEY_FAN_STOP_TIME_GET_FRAME
ZW_CHIMNEY_FAN_STOP_TIME_SET_FRAME
       ZW CHIMNEY FAN STATUS REPORT 1BYTE FRAME
                                                                                                                                                                                       ZW ChimneyFanStatusReport1byteFrame; \
                                                                                                                                                                                       ZW_ChimneyFanStatusReport2byteFrame; \
                                                                                                                                                                                       ZW_ChimneyFanStatusReport3byteFrame;\
ZW_ChimneyFanStatusReport4byteFrame;\
ZW_ChimneyFanStopTempGetFrame;\
                                                                                                                                                                                       ZW_ChimneyFanStopTempReport1byteFrame; \
                                                                                                                                                                                       ZW_ChimneyFanStopTempReport2byteFrame; \
                                                                                                                                                                                       ZW_ChimneyFanStopTempReport3byteFrame; \
                                                                                                                                                                                       ZW_ChimneyFanStopTempReport4byteFrame; \
ZW_ChimneyFanStopTempSet1byteFrame; \
                                                                                                                                                                                       ZW ChimneyFanStopTempSet2byteFrame;
                                                                                                                                                                                       ZW ChimneyFanStopTempSet3byteFrame;
                                                                                                                                                                                       ZW_ChimneyFanStopTempSet4byteFrame; \
                                                                                                                                                                                       ZW_ChimneyFanStopTimeGetFrame; \
                                                                                                                                                                                       ZW_ChimneyFanStopTimeReportFrame; \
                                                                                                                                                                                       ZW_ChimneyFanStopTimeSetFrame; \
      ZW_SCHEDULE_CHANGED_GET_FRAME
ZW_SCHEDULE_CHANGED_REPORT_FRAME
                                                                                                                                                                                       ZW_ScheduleChangedGetFrame; \
                                                                                                                                                                                       ZW_ScheduleChangedReportFrame; \
      ZW_SCHEDULE_GET_FRAME
ZW_SCHEDULE_OVERRIDE_GET_FRAME
ZW_SCHEDULE_OVERRIDE_REPORT_FRAME
                                                                                                                                                                                       ZW_ScheduleGetFrame; \
                                                                                                                                                                                       ZW_ScheduleOverrideGetFrame;\
ZW ScheduleOverrideReportFrame;\
       ZW SCHEDULE OVERRIDE SET FRAME
                                                                                                                                                                                       ZW ScheduleOverrideSetFrame; \
       ZW_SCHEDULE_REPORT_FRAME
                                                                                                                                                                                       ZW_ScheduleReportFrame; \
  ZW_SCHEDULE_SET_FRAME
/* Command class Clock */\
ZW_CLOCK_GET_FRAME
                                                                                                                                                                                       ZW_ScheduleSetFrame; \
                                                                                                                                                                                       ZW ClockGetFrame; \
      ZW_CLOCK_REPORT_FRAME
ZW_CLOCK_SET_FRAME
                                                                                                                                                                                       ZW_ClockReportFrame; \
ZW_ClockSetFrame; \
  /* Command class Configuration */
     * Command class Configuration */\
ZW_CONFIGURATION_GET_FRAME
ZW_CONFIGURATION_REPORT_1BYTE_FRAME
ZW_CONFIGURATION_REPORT_2BYTE_FRAME
ZW_CONFIGURATION_REPORT_3BYTE_FRAME
ZW_CONFIGURATION_SET_1BYTE_FRAME
ZW_CONFIGURATION_SET_2BYTE_FRAME
ZW_CONFIGURATION_SET_3BYTE_FRAME
ZW_CONFIGURATION_SET_3BYTE_FRAME
ZW_CONFIGURATION_SET_4BYTE_FRAME
ZW_CONFIGURATION_SET_4BYTE_FRAME
ZW_CONFIGURATION_SET_4BYTE_FRAME
* Command_class_Configuration_V2 */\
ZW_CONFIGURATION_BILKS_GET_V2 FRAME
                                                                                                                                                                                       ZW_ConfigurationGetFrame; \
                                                                                                                                                                                       ZW_ConfigurationReport1byteFrame; \
                                                                                                                                                                                       ZW ConfigurationReport2byteFrame;
                                                                                                                                                                                       ZW ConfigurationReport3byteFrame;
                                                                                                                                                                                       ZW_ConfigurationReport4byteFrame;\
                                                                                                                                                                                       ZW_ConfigurationSet1byteFrame; \
                                                                                                                                                                                       ZW_ConfigurationSet2byteFrame;\
ZW_ConfigurationSet3byteFrame;\
ZW_ConfigurationSet4byteFrame;\
     ZW_CONFIGURATION_BULK_GET_V2_FRAME
VG_CONFIGURATION_BULK_GET_V2_FRAME
VG_CONFIGURATION_BULK_REPORT_1BYTE_V2_VG
VG_CONFIGURATION_BULK_REPORT_2BYTE_V2_VG
VG_CONFIGURATION_BULK_REPORT_3BYTE_V2_VG
VG_CONFIGURATION_BULK_REPORT_3BYTE_V2_VG
ZW_CONFIGURATION_BULK_REPORT_1BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_REPORT_1BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_REPORT_3BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_REPORT_3BYTE_V2_FRAME
VG_CONFIGURATION_BULK_SET_1BYTE_V2_VG
VG_CONFIGURATION_BULK_SET_2BYTE_V2_VG
VG_CONFIGURATION_BULK_SET_3BYTE_V2_VG
VG_CONFIGURATION_BULK_SET_3BYTE_V2_VG
ZW_CONFIGURATION_BULK_SET_3BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_SET_3BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_SET_3BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_SET_3BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_SET_3BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_SET_3BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_SET_3BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_SET_3BYTE_V2_FRAME
                                                                                                                                                                                       ZW ConfigurationBulkGetV2Frame; \
                                                                                                                                                                                       VG_ConfigurationBulkReport1byteV2VGroup;\
                                                                                                                                                                                       VG_ConfigurationBulkReport2byteV2VGroup;\VG_ConfigurationBulkReport3byteV2VGroup;\VG_ConfigurationBulkReport4byteV2VGroup;\
                                                                                                                                                                                       ZW ConfigurationBulkReport1byteV2Frame; \
                                                                                                                                                                                       ZW_ConfigurationBulkReport2byteV2Frame; \
                                                                                                                                                                                       ZW_ConfigurationBulkReport3byteV2Frame; \
                                                                                                                                                                                       ZW_ConfigurationBulkReport4byteV2Frame;\
VG_ConfigurationBulkSet1byteV2VGroup;\
VG_ConfigurationBulkSet2byteV2VGroup;\
                                                                                                                                                                                       VG ConfigurationBulkSet3byteV2VGroup; \
                                                                                                                                                                                       VG_ConfigurationBulkSet4byteV2VGroup;\
                                                                                                                                                                                       ZW_ConfigurationBulkSet1byteV2Frame; \
                                                                                                                                                                                       ZW_ConfigurationBulkSet2byteV2Frame;\
ZW_ConfigurationBulkSet3byteV2Frame;\
                                                                                                                                                                                       ZW ConfigurationBulkSet4byteV2Frame; \
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ZW CONFIGURATION GET V2 FRAME
                                                                                                                                                        ZW ConfigurationGetV2Frame; \
    ZW_CONFIGURATION_GET_V2_FRAME
ZW_CONFIGURATION_REPORT_1BYTE_V2_FRAME
ZW_CONFIGURATION_REPORT_2BYTE_V2_FRAME
ZW_CONFIGURATION_REPORT_3BYTE_V2_FRAME
ZW_CONFIGURATION_REPORT_4BYTE_V2_FRAME
ZW_CONFIGURATION_SET_1BYTE_V2_FRAME
ZW_CONFIGURATION_SET_2BYTE_V2_FRAME
ZW_CONFIGURATION_SET_3BYTE_V2_FRAME
ZW_CONFIGURATION_SET_4BYTE_V2_FRAME
CW_CONFIGURATION_SET_4BYTE_V2_FRAME
CCOMMANDATION_SET_4BYTE_V2_FRAME
COMMANDATION_SET_4BYTE_V2_FRAME
                                                                                                                                                        ZW_ConfigurationReport1byteV2Frame;\
                                                                                                                                                        ZW ConfigurationReport2byteV2Frame;
                                                                                                                                                       ZW_ConfigurationReport3byteV2Frame;\
ZW_ConfigurationReport4byteV2Frame;\
ZW_ConfigurationSet1byteV2Frame;\
                                                                                                                                                        ZW ConfigurationSet2byteV2Frame;
                                                                                                                                                        ZW_ConfigurationSet3byteV2Frame;
ZW_CONFIGURATION_SET_4BYTE_V2_FRAME
/* Command class Configuration V3 */\
ZW_CONFIGURATION_BULK_GET_V3_FRAME
VG_CONFIGURATION_BULK_REPORT_1BYTE_V3_VG
VG_CONFIGURATION_BULK_REPORT_2BYTE_V3_VG
VG_CONFIGURATION_BULK_REPORT_3BYTE_V3_VG
VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG
ZW_CONFIGURATION_BULK_REPORT_1BYTE_V3_FRAME
ZW_CONFIGURATION_BULK_REPORT_2BYTE_V3_FRAME
ZW_CONFIGURATION_BULK_REPORT_3BYTE_V3_FRAME
ZW_CONFIGURATION_BULK_REPORT_3BYTE_V3_FRAME
ZW_CONFIGURATION_BULK_REPORT_4BYTE_V3_FRAME
ZW_CONFIGURATION_BULK_REPORT_4BYTE_V3_FRAME
ZW_CONFIGURATION_BULK_REPORT_4BYTE_V3_FRAME
ZW_CONFIGURATION_BULK_REPORT_4BYTE_V3_FRAME
ZW_CONFIGURATION_BULK_REPORT_4BYTE_V3_FRAME
ZW_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG
                                                                                                                                                        ZW_ConfigurationSet4byteV2Frame; \
                                                                                                                                                        ZW_ConfigurationBulkGetV3Frame; \
                                                                                                                                                        VG ConfigurationBulkReport1byteV3VGroup; \
                                                                                                                                                        VG ConfigurationBulkReport2byteV3VGroup;
                                                                                                                                                        VG_ConfigurationBulkReport3byteV3VGroup;\
                                                                                                                                                       VG_ConfigurationBulkReport4byteV3VGroup; \
                                                                                                                                                       ZW_ConfigurationBulkReport1byteV3Frame;\
ZW_ConfigurationBulkReport2byteV3Frame;\
                                                                                                                                                        ZW_ConfigurationBulkReport3byteV3Frame; \
   ZW_CONFIGURATION_BULK_REPORT_4BYTE_V3_FRAUCH CONFIGURATION_BULK_SET_1BYTE_V3_VG
VG_CONFIGURATION_BULK_SET_1BYTE_V3_VG
VG_CONFIGURATION_BULK_SET_3BYTE_V3_VG
VG_CONFIGURATION_BULK_SET_4BYTE_V3_FRAME
ZW_CONFIGURATION_BULK_SET_1BYTE_V3_FRAME
ZW_CONFIGURATION_BULK_SET_3BYTE_V3_FRAME
ZW_CONFIGURATION_BULK_SET_3BYTE_V3_FRAME
ZW_CONFIGURATION_BULK_SET_4BYTE_V3_FRAME
ZW_CONFIGURATION_GET_V3_FRAME
ZW_CONFIGURATION_REPORT_1BYTE_V3_FRAME
ZW_CONFIGURATION_REPORT_3BYTE_V3_FRAME
ZW_CONFIGURATION_REPORT_3BYTE_V3_FRAME
ZW_CONFIGURATION_REPORT_3BYTE_V3_FRAME
ZW_CONFIGURATION_REPORT_4BYTE_V3_FRAME
ZW_CONFIGURATION_REPORT_4BYTE_V3_FRAME
ZW_CONFIGURATION_REPORT_4BYTE_V3_FRAME
ZW_CONFIGURATION_REPORT_4BYTE_V3_FRAME
ZW_CONFIGURATION_REPORT_4BYTE_V3_FRAME
                                                                                                                                                        ZW_ConfigurationBulkReport4byteV3Frame; \
                                                                                                                                                        VG ConfigurationBulkSet1byteV3VGroup; \
                                                                                                                                                       VG_ConfigurationBulkSet2byteV3VGroup; \VG_ConfigurationBulkSet3byteV3VGroup; \
                                                                                                                                                        VG ConfigurationBulkSet4byteV3VGroup; \
                                                                                                                                                        ZW ConfigurationBulkSet1byteV3Frame;
                                                                                                                                                        ZW ConfigurationBulkSet2byteV3Frame; \
                                                                                                                                                        ZW_ConfigurationBulkSet3byteV3Frame; \
                                                                                                                                                       ZW_ConfigurationBulkSet4byteV3Frame;\
ZW_ConfigurationGetV3Frame;\
                                                                                                                                                        ZW ConfigurationReport1byteV3Frame; \
                                                                                                                                                        ZW_ConfigurationReport2byteV3Frame;\
                                                                                                                                                        ZW_ConfigurationReport3byteV3Frame;
                                                                                                                                                        ZW_ConfigurationReport4byteV3Frame; \
    ZW_CONFIGURATION_SET_1BYTE_V3_FRAME
ZW_CONFIGURATION_SET_2BYTE_V3_FRAME
ZW_CONFIGURATION_SET_3BYTE_V3_FRAME
ZW_CONFIGURATION_SET_4BYTE_V3_FRAME
                                                                                                                                                       ZW_ConfigurationSet1byteV3Frame;\
ZW_ConfigurationSet2byteV3Frame;\
                                                                                                                                                        ZW ConfigurationSet3byteV3Frame; \
                                                                                                                                                        ZW ConfigurationSet4byteV3Frame; \
     ZW_CONFIGURATION_NAME_GET_V3_FRAME
                                                                                                                                                        ZW_ConfigurationNameGetV3Frame; \
    ZW_CONFIGURATION NAME REPORT 1BYTE V3 FRAME
ZW_CONFIGURATION_NAME REPORT 2BYTE V3 FRAME
ZW_CONFIGURATION_NAME_REPORT_3BYTE_V3 FRAME
ZW_CONFIGURATION_NAME_REPORT_4BYTE_V3 FRAME
                                                                                                                                                        ZW_ConfigurationNameReport1byteV3Frame; \
                                                                                                                                                        ZW_ConfigurationNameReport2byteV3Frame; \
                                                                                                                                                        ZW_ConfigurationNameReport3byteV3Frame;
                                                                                                                                                        ZW ConfigurationNameReport4byteV3Frame; \
    ZW_CONFIGURATION_INFO_GET_V3_FRAME
ZW_CONFIGURATION_INFO_REPORT_1BYTE_V3_FRAME
ZW_CONFIGURATION_INFO_REPORT_2BYTE_V3_FRAME
ZW_CONFIGURATION_INFO_REPORT_3BYTE_V3_FRAME
ZW_CONFIGURATION_INFO_REPORT_4BYTE_V3_FRAME
                                                                                                                                                        ZW_ConfigurationInfoGetV3Frame;
                                                                                                                                                        ZW_ConfigurationInfoReport1byteV3Frame; \
                                                                                                                                                        ZW_ConfigurationInfoReport2byteV3Frame; \
                                                                                                                                                       ZW_ConfigurationInfoReport3byteV3Frame;\
ZW_ConfigurationInfoReport4byteV3Frame;\
ZW_CONFIGURATION_INFO_REPORT_4BYTE_V3_FRAME
ZW_CONFIGURATION_PROPERTIES_GET_V3_FRAME
ZW_CONFIGURATION_PROPERTIES_REPORT_1BYTE_V3_FRAME
ZW_CONFIGURATION_PROPERTIES_REPORT_2BYTE_V3_FRAME
ZW_CONFIGURATION_PROPERTIES_REPORT_3BYTE_V3_FRAME
ZW_CONFIGURATION_PROPERTIES_REPORT_4BYTE_V3_FRAME
/* Command_class_Configuration_V4_*/\
                                                                                                                                                        ZW ConfigurationPropertiesGetV3Frame;
                                                                                                                                                        ZW_ConfigurationPropertiesReport1byteV3Frame; \
                                                                                                                                                        ZW_ConfigurationPropertiesReport2byteV3Frame; \
                                                                                                                                                        ZW_ConfigurationPropertiesReport3byteV3Frame; \
                                                                                                                                                       ZW_ConfigurationPropertiesReport4byteV3Frame;\
    Command class Configuration V4 */\
ZW_CONFIGURATION_BULK_GET_V4_FRAME
VG_CONFIGURATION_BULK_REPORT_1BYTE_V4_VG
VG_CONFIGURATION_BULK_REPORT_2BYTE_V4_VG
VG_CONFIGURATION_BULK_REPORT_3BYTE_V4_VG
VG_CONFIGURATION_BULK_REPORT_4BYTE_V4_VG
ZW_CONFIGURATION_BULK_REPORT_1BYTE_V4_FRAME
                                                                                                                                                        ZW ConfigurationBulkGetV4Frame; \
                                                                                                                                                        VG_ConfigurationBulkReport1byteV4VGroup;\
                                                                                                                                                        VG_ConfigurationBulkReport2byteV4VGroup;\
                                                                                                                                                        VG_ConfigurationBulkReport3byteV4VGroup;\
                                                                                                                                                        VG_ConfigurationBulkReport4byteV4VGroup;
                                                                                                                                                       ZW ConfigurationBulkReport1byteV4Frame;
    ZW_CONFIGURATION_BULK_REPORT_1BYTE_V4_FRAME
ZW_CONFIGURATION_BULK_REPORT_2BYTE_V4_FRAME
ZW_CONFIGURATION_BULK_REPORT_3BYTE_V4_FRAME
ZW_CONFIGURATION_BULK_REPORT_4BYTE_V4_VG
VG_CONFIGURATION_BULK_SET_1BYTE_V4_VG
VG_CONFIGURATION_BULK_SET_3BYTE_V4_VG
VG_CONFIGURATION_BULK_SET_3BYTE_V4_VG
VG_CONFIGURATION_BULK_SET_1BYTE_V4_FRAME
                                                                                                                                                        ZW_ConfigurationBulkReport2byteV4Frame;\
                                                                                                                                                        ZW_ConfigurationBulkReport3byteV4Frame;
                                                                                                                                                        ZW_ConfigurationBulkReport4byteV4Frame; \
                                                                                                                                                       VG_ConfigurationBulkSet1byteV4VGroup; \
VG_ConfigurationBulkSet2byteV4VGroup; \
                                                                                                                                                        VG ConfigurationBulkSet3byteV4VGroup; \
   VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG
ZW_CONFIGURATION_BULK_SET_1BYTE_V4_FRAME
ZW_CONFIGURATION_BULK_SET_2BYTE_V4_FRAME
ZW_CONFIGURATION_BULK_SET_3BYTE_V4_FRAME
ZW_CONFIGURATION_BULK_SET_4BYTE_V4_FRAME
ZW_CONFIGURATION_REPORT_1BYTE_V4_FRAME
ZW_CONFIGURATION_REPORT_1BYTE_V4_FRAME
ZW_CONFIGURATION_REPORT_3BYTE_V4_FRAME
ZW_CONFIGURATION_REPORT_3BYTE_V4_FRAME
ZW_CONFIGURATION_SET_1BYTE_V4_FRAME
ZW_CONFIGURATION_SET_1BYTE_V4_FRAME
ZW_CONFIGURATION_SET_2BYTE_V4_FRAME
ZW_CONFIGURATION_SET_3BYTE_V4_FRAME
ZW_CONFIGURATION_SET_3BYTE_V4_FRAME
ZW_CONFIGURATION_SET_3BYTE_V4_FRAME
ZW_CONFIGURATION_NAME_REPORT_1BYTE_V4_FRAME
ZW_CONFIGURATION_NAME_REPORT_1BYTE_V4_FRAME
ZW_CONFIGURATION_NAME_REPORT_1BYTE_V4_FRAME
ZW_CONFIGURATION_NAME_REPORT_1BYTE_V4_FRAME
ZW_CONFIGURATION_NAME_REPORT_1BYTE_V4_FRAME
ZW_CONFIGURATION_NAME_REPORT_1BYTE_V4_FRAME
                                                                                                                                                        VG ConfigurationBulkSet4byteV4VGroup; \
                                                                                                                                                        ZW_ConfigurationBulkSet1byteV4Frame; \
                                                                                                                                                       ZW_ConfigurationBulkSet2byteV4Frame;\
ZW_ConfigurationBulkSet3byteV4Frame;\
                                                                                                                                                        ZW ConfigurationBulkSet4byteV4Frame; \
                                                                                                                                                        ZW ConfigurationGetV4Frame; \
                                                                                                                                                        ZW_ConfigurationReport1byteV4Frame; \
                                                                                                                                                        ZW_ConfigurationReport2byteV4Frame;
                                                                                                                                                       ZW_ConfigurationReport3byteV4Frame;\
ZW_ConfigurationReport4byteV4Frame;\
ZW_ConfigurationSet1byteV4Frame;\
                                                                                                                                                        ZW ConfigurationSet2byteV4Frame;
                                                                                                                                                        ZW_ConfigurationSet3byteV4Frame;
                                                                                                                                                        ZW_ConfigurationSet4byteV4Frame; \
                                                                                                                                                        ZW_ConfigurationNameGetV4Frame; \
                                                                                                                                                        ZW_ConfigurationNameReport1byteV4Frame;
                                                                                                                                                        ZW ConfigurationNameReport2byteV4Frame; \
```

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ZW_CONFIGURATION_NAME_REPORT_3BYTE_V4_FRAME
ZW_CONFIGURATION_NAME_REPORT_4BYTE_V4_FRAME
ZW_CONFIGURATION_INFO_GET_V4_FRAME
ZW_CONFIGURATION_INFO_REPORT_1BYTE_V4_FRAME
ZW_CONFIGURATION_INFO_REPORT_2BYTE_V4_FRAME
ZW_CONFIGURATION_INFO_REPORT_3BYTE_V4_FRAME
ZW_CONFIGURATION_INFO_REPORT_4BYTE_V4_FRAME
ZW_CONFIGURATION_PROPERTIES_GET_V4_FRAME
ZW_CONFIGURATION_PROPERTIES_REPORT_1BYTE_V4_FRAME
ZW_CONFIGURATION_PROPERTIES_REPORT_2BYTE_V4_FRAME
ZW_CONFIGURATION_PROPERTIES_REPORT_2BYTE_V4_FRAME
    ZW CONFIGURATION NAME REPORT 3BYTE V4 FRAME
                                                                                                                                ZW ConfigurationNameReport3byteV4Frame; \
                                                                                                                                ZW_ConfigurationNameReport4byteV4Frame; \
                                                                                                                                ZW ConfigurationInfoGetV4Frame;
                                                                                                                                ZW_ConfigurationInfoReport1byteV4Frame;\
ZW_ConfigurationInfoReport2byteV4Frame;\
                                                                                                                                ZW ConfigurationInfoReport3byteV4Frame;
                                                                                                                                ZW ConfigurationInfoReport4byteV4Frame;
                                                                                                                                ZW_ConfigurationPropertiesGetV4Frame; \
                                                                                                                                ZW_ConfigurationPropertiesReport1byteV4Frame; \
                                                                                                                                ZW ConfigurationPropertiesReport2byteV4Frame; \
#define ZW_FRAME_COLLECTION_MACRO1\
#define ZW_FRAME_COLLECTION_MACRO1\
ZW_CONFIGURATION_PROPERTIES_REPORT_3BYTE_V4_FRAME
ZW_CONFIGURATION_PROPERTIES_REPORT_4BYTE_V4_FRAME
ZW_CONFIGURATION_DEFAULT_RESET_V4_FRAME
ZW_CONFIGURATION_DEFAULT_RESET_V4_FRAME
/* Command class Controller Replication */\
ZW_CTRL_REPLICATION_TRANSFER_GROUP_FRAME
ZW_CTRL_REPLICATION_TRANSFER_GROUP_NAME_1BYTE_FRAME
ZW_CTRL_REPLICATION_TRANSFER_GROUP_NAME_2BYTE_FRAME
ZW_CTRL_REPLICATION_TRANSFER_GROUP_NAME_3BYTE_FRAME
ZW_CTRL_REPLICATION_TRANSFER_GROUP_NAME_4BYTE_FRAME
ZW_CTRL_REPLICATION_TRANSFER_SCENE_FRAME
ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_1BYTE_FRAME
ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_2BYTE_FRAME
ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_2BYTE_FRAME
ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_2BYTE_FRAME
ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_3BYTE_FRAME
                                                                                                                                ZW ConfigurationPropertiesReport3byteV4Frame; \
                                                                                                                                ZW_ConfigurationPropertiesReport4byteV4Frame; \
                                                                                                                                ZW_ConfigurationDefaultResetV4Frame; \
                                                                                                                                ZW CtrlReplicationTransferGroupFrame; \
                                                                                                                                ZW_CtrlReplicationTransferGroupName1byteFrame; \
                                                                                                                                ZW_CtrlReplicationTransferGroupName2byteFrame; \
                                                                                                                                ZW CtrlReplicationTransferGroupName3byteFrame; \
                                                                                                                                ZW_CtrlReplicationTransferGroupName4byteFrame; \
                                                                                                                                ZW CtrlReplicationTransferSceneFrame; \
                                                                                                                                ZW CtrlReplicationTransferSceneName1byteFrame; \
                                                                                                                                ZW CtrlReplicationTransferSceneName2byteFrame;
    ZW CTRL REPLICATION TRANSFER SCENE NAME 3BYTE FRAME
                                                                                                                                ZW CtrlReplicationTransferSceneName3byteFrame;
    ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_4BYTE_FRAME
                                                                                                                                ZW_CtrlReplicationTransferSceneName4byteFrame; \
ZW_CTRL_REPLICATION_TRANSFER_SCENE_
/* Command class Dcp Config */\
ZW_DCP_LIST_REMOVE_FRAME
VG_DCP_LIST_SET_VG
ZW_DCP_LIST_SET_1BYTE_FRAME
ZW_DCP_LIST_SET_2BYTE_FRAME
ZW_DCP_LIST_SET_3BYTE_FRAME
ZW_DCP_LIST_SET_3BYTE_FRAME
ZW_DCP_LIST_SET_4BYTE_FRAME
ZW_DCP_LIST_SUPPORTED_GET_FRAME
ZW_DCP_LIST_SUPPORTED_GET_FRAME
ZW_DCP_LIST_SUPPORTED_REPORT_FRAME
ZW_DCP_LIST_SUPPORTED_REPORT_FRAME
ZW_DCP_LIST_SUPPORTED_REPORT_FRAME
ZW_DCP_LIST_SUPPORTED_REPORT_FRAME
/* Command class Dcp_Monitor */\
ZW_DCP_EVENT_STATUS_GET_FRAME
                                                                                                                                ZW DcpListRemoveFrame: \
                                                                                                                                VG DcpListSetVGroup; \
                                                                                                                                ZW_DcpListSet1byteFrame; \
                                                                                                                                ZW_DcpListSet2byteFrame;
                                                                                                                                ZW_DcpListSet3byteFrame; \
                                                                                                                                ZW_DcpListSet4byteFrame; \
                                                                                                                                ZW DcpListSupportedGetFrame; \
                                                                                                                                ZW DcpListSupportedReportFrame; \
    ZW_DCP_EVENT_STATUS_GET_FRAME
                                                                                                                                ZW_DcpEventStatusGetFrame; \
   ZW_DCP_EVENT_STATUS_GET_FRAME
ZW_DCP_EVENT_STATUS_REPORT_FRAME
ZW_DCP_LIST_GET_FRAME
VG_DCP_LIST_REPORT_VG
ZW_DCP_LIST_REPORT_1BYTE_FRAME
ZW_DCP_LIST_REPORT_2BYTE_FRAME
ZW_DCP_LIST_REPORT_3BYTE_FRAME
ZW_DCP_LIST_REPORT_4BYTE_FRAME
ZW_DCP_LIST_REPORT_4BYTE_FRAME
                                                                                                                                ZW_DcpEventStatusReportFrame; \
                                                                                                                                ZW_DcpListGetFrame; \
                                                                                                                                VG_DcpListReportVGroup; \
                                                                                                                                ZW DcpListReport1byteFrame; \
                                                                                                                                ZW_DcpListReport2byteFrame; \
                                                                                                                                ZW DcpListReport3byteFrame; \
                                                                                                                                ZW DcpListReport4byteFrame; \
/* Command class Door Lock Logging */\
ZW_DOOR_LOCK_LOGGING_RECORDS_SUPPORTED_GET_FRAME
ZW_DOOR_LOCK_LOGGING_RECORDS_SUPPORTED_REPORT_FRAME
                                                                                                                                ZW DoorLockLoggingRecordsSupportedGetFrame; \
                                                                                                                                ZW DoorLockLoggingRecordsSupportedReportFrame; \
    ZW_RECORD_GET_FRAME
                                                                                                                                ZW RecordGetFrame; \
ZW_RECORD_REPORT_1BYTE_FRAME
ZW_RECORD_REPORT_2BYTE_FRAME
ZW_RECORD_REPORT_3BYTE_FRAME
ZW_RECORD_REPORT_4BYTE_FRAME
/* Command class Door Lock */\
                                                                                                                                ZW_RecordReport1byteFrame; \
                                                                                                                                ZW_RecordReport2byteFrame; \
                                                                                                                                ZW RecordReport3byteFrame; \
                                                                                                                                ZW RecordReport4byteFrame; \
    ZW_DOOR_LOCK_CONFIGURATION_GET_FRAME
                                                                                                                                ZW_DoorLockConfigurationGetFrame; \
    ZW_DOOR_LOCK_CONFIGURATION_REPORT_FRAME
                                                                                                                                ZW_DoorLockConfigurationReportFrame; \
    ZW_DOOR_LOCK_CONFIGURATION_SET_FRAME ZW_DOOR_LOCK_OPERATION_REPORT_FRAME ZW_DOOR_LOCK_OPERATION_REPORT_FRAME
                                                                                                                                ZW DoorLockConfigurationSetFrame; \
                                                                                                                                ZW DoorLockOperationGetFrame;
                                                                                                                                ZW DoorLockOperationReportFrame; \
ZW_DOOR_LOCK_OPERATION_SET_FRAME

/* Command class Door Lock V2 */\
ZW_DOOR_LOCK_CONFIGURATION_GET_V2_FRAME
ZW_DOOR_LOCK_CONFIGURATION_REPORT_V2_FRAME
ZW_DOOR_LOCK_CONFIGURATION_SET_V2_FRAME
ZW_DOOR_LOCK_OPERATION_GET_V2_FRAME
ZW_DOOR_LOCK_OPERATION_SET_V2_FRAME
ZW_DOOR_LOCK_OPERATION_SET_V2_FRAME
/* Command class Door_Lock_V3 */\
ZW_DOOR_LOCK_CONFIGURATION_GET_V3_FRAME
ZW_DOOR_LOCK_CONFIGURATION_REPORT_V3_FRAME
ZW_DOOR_LOCK_CONFIGURATION_SET_V3_FRAME
ZW_DOOR_LOCK_CONFIGURATION_SET_V3_FRAME
ZW_DOOR_LOCK_CONFIGURATION_SET_V3_FRAME
    ZW_DOOR_LOCK_OPERATION_SET_FRAME
                                                                                                                                ZW_DoorLockOperationSetFrame;
                                                                                                                                ZW_DoorLockConfigurationGetV2Frame; \
                                                                                                                                ZW_DoorLockConfigurationReportV2Frame;\
ZW_DoorLockConfigurationSetV2Frame;\
                                                                                                                                ZW DoorLockOperationGetV2Frame;
                                                                                                                                ZW DoorLockOperationReportV2Frame; \
                                                                                                                                ZW_DoorLockOperationSetV2Frame;
                                                                                                                                ZW_DoorLockConfigurationGetV3Frame;\
ZW_DoorLockConfigurationReportV3Frame;\
                                                                                                                                ZW DoorLockConfigurationSetV3Frame; \
    ZW_DOOR_LOCK_OPERATION_GET_V3_FRAME
                                                                                                                                ZW_DoorLockOperationGetV3Frame; \
ZW_DOOR_LOCK_OPERATION_GET_V3_FRAME
ZW_DOOR_LOCK_OPERATION_SET_V3_FRAME
ZW_DOOR_LOCK_OPERATION_SET_V3_FRAME
/* Command class Energy Production */\
ZW_ENERGY_PRODUCTION_GET_FRAME
                                                                                                                                ZW_DoorLockOperationReportV3Frame; \
                                                                                                                                ZW_DoorLockOperationSetV3Frame; \
                                                                                                                                ZW EnergyProductionGetFrame; \
ZW_ENERGY_PRODUCTION_GET_FRAME
ZW_ENERGY_PRODUCTION_REPORT_1BYTE_FRAME
ZW_ENERGY_PRODUCTION_REPORT_3BYTE_FRAME
ZW_ENERGY_PRODUCTION_REPORT_4BYTE_FRAME
ZW_ENERGY_PRODUCTION_REPORT_4BYTE_FRAME
/* Command class Firmware Update Md */\
                                                                                                                                ZW EnergyProductionReport1byteFrame; \
                                                                                                                                ZW_EnergyProductionReport2byteFrame; \
                                                                                                                                ZW_EnergyProductionReport3byteFrame; \
                                                                                                                                ZW_EnergyProductionReport4byteFrame; \
    ZW_FIRMWARE_MD_GET_FRAME
                                                                                                                                ZW FirmwareMdGetFrame;\
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ZW FIRMWARE MD REPORT FRAME
                                                                                                                                                                                                    ZW FirmwareMdReportFrame;\
       ZW_FIRMWARE_UPDATE_MD_GET_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_FRAME
                                                                                                                                                                                                    ZW_FirmwareUpdateMdGetFrame; \
                                                                                                                                                                                                    ZW FirmwareUpdateMdReport1byteFrame; \
      ZW FIRMWARE UPDATE MD REPORT 2BYTE FRAME
ZW FIRMWARE UPDATE MD REPORT 3BYTE FRAME
ZW FIRMWARE UPDATE MD REPORT 4BYTE FRAME
ZW FIRMWARE UPDATE MD REQUEST GET FRAME
ZW FIRMWARE UPDATE MD REQUEST REPORT FRAME
                                                                                                                                                                                                    ZW_FirmwareUpdateMdReport2byteFrame;\
ZW_FirmwareUpdateMdReport3byteFrame;\
                                                                                                                                                                                                    ZW FirmwareUpdateMdReport4byteFrame; \
                                                                                                                                                                                                    ZW FirmwareUpdateMdRequestGetFrame; \
                                                                                                                                                                                                    ZW_FirmwareUpdateMdRequestReportFrame; \
       ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_FRAME
                                                                                                                                                                                                    ZW_FirmwareUpdateMdStatusReportFrame; \
 ZW FIRMWARE UPDATE MD STATUS REFURI FRAME

/* Command class Firmware Update Md V2 */\
ZW FIRMWARE MD GET V2 FRAME

ZW_FIRMWARE MD GET V2 FRAME

ZW_FIRMWARE UPDATE MD GET V2 FRAME

ZW_FIRMWARE UPDATE MD REPORT 1BYTE V2 FRAME

ZW_FIRMWARE UPDATE MD REPORT 2BYTE V2 FRAME
                                                                                                                                                                                                    ZW FirmwareMdGetV2Frame; \
                                                                                                                                                                                                    ZW_FirmwareMdReportV2Frame;\
                                                                                                                                                                                                    ZW FirmwareUpdateMdGetV2Frame;
                                                                                                                                                                                                    ZW_FirmwareUpdateMdReport1byteV2Frame; \
       ZW FIRMWARE UPDATE MD REPORT 2BYTE V2 FRAME
ZW FIRMWARE UPDATE MD REPORT 3BYTE V2 FRAME
ZW FIRMWARE UPDATE MD REPORT 4BYTE V2 FRAME
                                                                                                                                                                                                    ZW_FirmwareUpdateMdReport2byteV2Frame; \
                                                                                                                                                                                                    ZW_FirmwareUpdateMdReport3byteV2Frame;\
ZW_FirmwareUpdateMdReport4byteV2Frame;\
       ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V2_FRAME
ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V2_FRAME
                                                                                                                                                                                                    ZW_FirmwareUpdateMdRequestGetV2Frame; \
ZW_FIRMWARE_UPDATE_MD_REQUEST_REFORT_V2_FRAME
ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V2_FRAME
ZW_FIRMWARE_MD_GET_V3_FRAME
VG_FIRMWARE_MD_REPORT_V3_VG
ZW_FIRMWARE_MD_REPORT_1BYTE_V3_FRAME
ZW_FIRMWARE_MD_REPORT_1BYTE_V3_FRAME
ZW_FIRMWARE_MD_REPORT_3BYTE_V3_FRAME
ZW_FIRMWARE_MD_REPORT_3BYTE_V3_FRAME
ZW_FIRMWARE_MD_REPORT_3BYTE_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_GET_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V3_FRAME
ZW_FIRMWARE_MD_GET_V4_FRAME
                                                                                                                                                                                                    ZW_FirmwareUpdateMdRequestReportV2Frame; \
                                                                                                                                                                                                    ZW_FirmwareUpdateMdStatusReportV2Frame; \
                                                                                                                                                                                                    ZW FirmwareMdGetV3Frame;\
                                                                                                                                                                                                    VG_FirmwareMdReportV3VGroup;\
ZW_FirmwareMdReport1byteV3Frame;\
                                                                                                                                                                                                    ZW FirmwareMdReport2byteV3Frame;
                                                                                                                                                                                                    ZW_FirmwareMdReport3byteV3Frame; \
                                                                                                                                                                                                    ZW_FirmwareMdReport4byteV3Frame;\
ZW_FirmwareUpdateMdGetV3Frame;\
ZW_FirmwareUpdateMdReport1byteV3Frame;\
                                                                                                                                                                                                    ZW_FirmwareUpdateMdReport2byteV3Frame; \
                                                                                                                                                                                                    ZW_FirmwareUpdateMdReport3byteV3Frame;
                                                                                                                                                                                                    ZW_FirmwareUpdateMdReport4byteV3Frame; \
                                                                                                                                                                                                    ZW_FirmwareUpdateMdRequestGetV3Frame;\
ZW_FirmwareUpdateMdRequestReportV3Frame;\
                                                                                                                                                                                                    ZW FirmwareUpdateMdStatusReportV3Frame; \
       ZW_FIRMWARE_MD_GET_V4_FRAME
                                                                                                                                                                                                    ZW_FirmwareMdGetV4Frame; \
      ZW FIRMWARE MD GET V4 FRAME
VG FIRMWARE MD REPORT V4 VG
ZW FIRMWARE MD REPORT 1BYTE V4 FRAME
ZW FIRMWARE MD REPORT 2BYTE V4 FRAME
ZW FIRMWARE MD REPORT 3BYTE V4 FRAME
ZW FIRMWARE MD REPORT 4BYTE V4 FRAME
ZW FIRMWARE UPDATE MD GET V4 FRAME
ZW FIRMWARE UPDATE MD REPORT 1BYTE V4 FRAME
ZW FIRMWARE UPDATE MD REPORT 1BYTE V4 FRAME
                                                                                                                                                                                                    VG_FirmwareMdReportV4VGroup; \
                                                                                                                                                                                                    ZW_FirmwareMdReport1byteV4Frame;\
ZW_FirmwareMdReport2byteV4Frame;\
ZW_FirmwareMdReport3byteV4Frame;\
                                                                                                                                                                                                    ZW_FirmwareMdReport4byteV4Frame;
                                                                                                                                                                                                    ZW_FirmwareUpdateMdGetV4Frame; \
                                                                                                                                                                                                    ZW_FirmwareUpdateMdReport1byteV4Frame; \
 ZW_FIRRWARE_UPDATE_MD_REPORT_1BYTE_V4_FRAME
ZW_FIRRWARE_UPDATE_MD_REPORT_2BYTE_V4_FRAME
ZW_FIRRWARE_UPDATE_MD_REPORT_3BYTE_V4_FRAME
ZW_FIRRWARE_UPDATE_MD_REPORT_4BYTE_V4_FRAME
ZW_FIRRWARE_UPDATE_MD_REQUEST_GET_V4_FRAME
ZW_FIRRWARE_UPDATE_MD_REQUEST_REPORT_V4_FRAME
ZW_FIRRWARE_UPDATE_MD_STATUS_REPORT_V4_FRAME
ZW_FIRRWARE_UPDATE_ACTIVATION_SET_V4_FRAME
ZW_FIRRWARE_UPDATE_ACTIVATION_STATUS_REPORT_V4_FRAME
ZW_FIRRWARE_UPDATE_ACTIVATION_STATUS_REPORT_V4_FRAME
ZW_FIRRWARE_UPDATE_STATUS_FRAME
ZW_FIRRWARE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_FRAME_UPDATE_MD_GET_V5_MD_GET_V5_MD_GET_MD_GET_V5_MD_GET_V5_MD_GET_MD_GET_V5_MD_GET_V5_MD_GET_V5_MD_GET_V5_
                                                                                                                                                                                                    ZW_FirmwareUpdateMdReport2byteV4Frame;\
ZW_FirmwareUpdateMdReport3byteV4Frame;\
                                                                                                                                                                                                    ZW FirmwareUpdateMdReport4byteV4Frame;
                                                                                                                                                                                                    ZW_FirmwareUpdateMdRequestGetV4Frame;
                                                                                                                                                                                                    ZW_FirmwareUpdateMdRequestReportV4Frame; \
                                                                                                                                                                                                   ZW_FirmwareUpdateMdStatusReportV4Frame;\
ZW_FirmwareUpdateActivationSetV4Frame;\
                                                                                                                                                                                                    ZW FirmwareUpdateActivationStatusReportV4Frame; \
     ZW_FIRMWARE_MD_GET_V5_FRAME
VG_FIRMWARE_MD_REPORT_V5_V6
ZW_FIRMWARE_MD_REPORT_1BYTE_V5_FRAME
ZW_FIRMWARE_MD_REPORT_1BYTE_V5_FRAME
ZW_FIRMWARE_MD_REPORT_3BYTE_V5_FRAME
ZW_FIRMWARE_MD_REPORT_3BYTE_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_GET_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V5_FRAME
ZW_FIRMWARE_UPDATE_ACTIVATION_SET_V5_FRAME
ZW_FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_PREPARE_GET_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_PREPARE_GET_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_PREPARE_GET_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_PREPARE_REPORT_V5_FRAME
       ZW_FIRMWARE_MD_GET_V5_FRAME
                                                                                                                                                                                                    ZW_FirmwareMdGetV5Frame; \
                                                                                                                                                                                                    VG_FirmwareMdReportV5VGroup; \
                                                                                                                                                                                                    ZW_FirmwareMdReport1byteV5Frame; \
                                                                                                                                                                                                    ZW_FirmwareMdReport2byteV5Frame;\
ZW_FirmwareMdReport3byteV5Frame;\
                                                                                                                                                                                                    ZW_FirmwareMdReport4byteV5Frame; \
                                                                                                                                                                                                    ZW_FirmwareUpdateMdGetV5Frame; \
                                                                                                                                                                                                    ZW_FirmwareUpdateMdReport1byteV5Frame;\
ZW_FirmwareUpdateMdReport2byteV5Frame;\
ZW_FirmwareUpdateMdReport3byteV5Frame;\
                                                                                                                                                                                                    ZW FirmwareUpdateMdReport4byteV5Frame;
                                                                                                                                                                                                    ZW FirmwareUpdateMdRequestGetV5Frame;
                                                                                                                                                                                                    ZW_FirmwareUpdateMdRequestReportV5Frame; \
                                                                                                                                                                                                    ZW_FirmwareUpdateMdStatusReportV5Frame;\
ZW_FirmwareUpdateActivationSetV5Frame;\
                                                                                                                                                                                                    ZW FirmwareUpdateActivationStatusReportV5Frame; \
                                                                                                                                                                                                    ZW FirmwareUpdateMdPrepareGetV5Frame; \
 ZW_FIRMWARE_UPDATE_MD_PREPARE_GET_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_PREPARE_REPORT_V5_FRAME
/* Command class Geographic Location */\
ZW_GEOGRAPHIC_LOCATION_GET_FRAME
ZW_GEOGRAPHIC_LOCATION_REPORT_FRAME
ZW_GEOGRAPHIC_LOCATION_SET_FRAME
/* Command class Grouping Name */\
                                                                                                                                                                                                    ZW_FirmwareUpdateMdPrepareReportV5Frame; \
                                                                                                                                                                                                    ZW_GeographicLocationGetFrame; \
                                                                                                                                                                                                    ZW_GeographicLocationReportFrame;\
ZW_GeographicLocationSetFrame;\
   ZW_GROUPING_NAME_GET_FRAME
ZW_GROUPING_NAME_REPORT_FRAME
ZW_GROUPING_NAME_SET_FRAME
* Command_class_Hail */\
                                                                                                                                                                                                    ZW_GroupingNameGetFrame; \
                                                                                                                                                                                                    ZW_GroupingNameReportFrame; \
                                                                                                                                                                                                    ZW_GroupingNameSetFrame; \
       ZW HAIL FRAME
                                                                                                                                                                                                    ZW HailFrame; \
```

```
/* Command class Hrv Control */
    * Command class Hrv Control */\
ZW_HRV_CONTROL_BYPASS_GET_FRAME
ZW_HRV_CONTROL_BYPASS_REPORT_FRAME
ZW_HRV_CONTROL_BYPASS_SET_FRAME
ZW_HRV_CONTROL_MODE_GET_FRAME
ZW_HRV_CONTROL_MODE_REPORT_FRAME
ZW_HRV_CONTROL_MODE_SET_FRAME
                                                                                                                                                                       ZW_HrvControlBypassGetFrame; \
                                                                                                                                                                       ZW_HrvControlBypassReportFrame; \
                                                                                                                                                                      ZW_HrvControlBypassSetFrame; \
ZW HrvControlModeGetFrame; \
                                                                                                                                                                       ZW HrvControlModeReportFrame; \
                                                                                                                                                                       ZW HrvControlModeSetFrame; \
ZW_HRV_CONTROL_MODE_SUPPORTED_GET_FRAME
ZW_HRV_CONTROL_MODE_SUPPORTED_REPORT_1BYTE_FRAME
ZW_HRV_CONTROL_MODE_SUPPORTED_REPORT_2BYTE_FRAME
ZW_HRV_CONTROL_MODE_SUPPORTED_REPORT_2BYTE_FRAME
ZW_HRV_CONTROL_MODE_SUPPORTED_REPORT_3BYTE_FRAME
ZW_HRV_CONTROL_VENTILATION_RATE_GET_FRAME
ZW_HRV_CONTROL_VENTILATION_RATE_REPORT_FRAME
ZW_HRV_CONTROL_VENTILATION_RATE_SET_FRAME
ZW_HRV_CONTROL_VENTILATION_RATE_SET_FRAME
ZW_HRV_STATUS_GET_FRAME
ZW_HRV_STATUS_REPORT_1BYTE_FRAME
ZW_HRV_STATUS_REPORT_2BYTE_FRAME
ZW_HRV_STATUS_REPORT_3BYTE_FRAME
ZW_HRV_STATUS_REPORT_3BYTE_FRAME
ZW_HRV_STATUS_REPORT_4BYTE_FRAME
ZW_HRV_STATUS_SUPPORTED_GET_FRAME
ZW_HRV_STATUS_SUPPORTED_REPORT_2BYTE_FRAME
ZW_HRV_STATUS_SUPPORTED_REPORT_2BYTE_FRAME
ZW_HRV_STATUS_SUPPORTED_REPORT_2BYTE_FRAME
ZW_HRV_STATUS_SUPPORTED_REPORT_2BYTE_FRAME
ZW_HRV_STATUS_SUPPORTED_REPORT_3BYTE_FRAME
ZW_HRV_STATUS_SUPPORTED_REPORT_3BYTE_FRAME
ZW_HRV_STATUS_SUPPORTED_REPORT_3BYTE_FRAME
ZW_HRV_STATUS_SUPPORTED_REPORT_3BYTE_FRAME
ZW_HRV_STATUS_SUPPORTED_REPORT_3BYTE_FRAME
ZW_HRV_STATUS_SUPPORTED_REPORT_4BYTE_FRAME
      ZW_HRV_CONTROL_MODE_SUPPORTED_GET_FRAME
                                                                                                                                                                       ZW_HrvControlModeSupportedGetFrame; \
                                                                                                                                                                       ZW_HrvControlModeSupportedReport1byteFrame; \
                                                                                                                                                                      ZW_HrvControlModeSupportedReport2byteFrame;\
ZW_HrvControlModeSupportedReport3byteFrame;\
                                                                                                                                                                       ZW_HrvControlModeSupportedReport4byteFrame; \
                                                                                                                                                                       ZW HrvControlVentilationRateGetFrame;
                                                                                                                                                                       ZW_HrvControlVentilationRateReportFrame; \
                                                                                                                                                                       ZW_HrvControlVentilationRateSetFrame;
                                                                                                                                                                       ZW HrvStatusGetFrame; \
                                                                                                                                                                       ZW_HrvStatusReport1byteFrame; \
                                                                                                                                                                       ZW_HrvStatusReport2byteFrame;
                                                                                                                                                                       ZW HrvStatusReport3byteFrame; \
                                                                                                                                                                      ZW_HrvStatusReport4byteFrame; \
ZW_HrvStatusSupportedGetFrame; \
                                                                                                                                                                       ZW HrvStatusSupportedReport1byteFrame; \
                                                                                                                                                                       ZW HrvStatusSupportedReport2byteFrame;
                                                                                                                                                                       ZW HrvStatusSupportedReport3byteFrame; \
                                                                                                                                                                       ZW_HrvStatusSupportedReport4byteFrame; \
 /* Command class Indicator */\
ZW_INDICATOR_GET_FRAME
ZW_INDICATOR_REPORT_FRAME
                                                                                                                                                                       ZW IndicatorGetFrame; \
                                                                                                                                                                       ZW IndicatorReportFrame; \
      ZW_INDICATOR_SET_FRAME
                                                                                                                                                                       ZW_IndicatorSetFrame; \
 ^{\prime *} Command class Indicator V2 */\
     ZW_INDICATOR_GET_V2_FRAME
VG_INDICATOR_REPORT_V2_VG
ZW_INDICATOR_REPORT_1BYTE_V2_FRAME
ZW_INDICATOR_REPORT_2BYTE_V2_FRAME
ZW_INDICATOR_REPORT_3BYTE_V2_FRAME
                                                                                                                                                                       ZW_IndicatorGetV2Frame; \
                                                                                                                                                                      VG_IndicatorReportV2VGroup;\
ZW_IndicatorReport1byteV2Frame;\
                                                                                                                                                                       ZW IndicatorReport2byteV2Frame; \
                                                                                                                                                                       ZW IndicatorReport3byteV2Frame; \
ZW_INDICATOR_REPORT_3BYTE_V2_FRAME
ZW_INDICATOR_REPORT_4BYTE_V2_FRAME
VG_INDICATOR_SET_V2_VG
ZW_INDICATOR_SET_1BYTE_V2_FRAME
ZW_INDICATOR_SET_3BYTE_V2_FRAME
ZW_INDICATOR_SET_3BYTE_V2_FRAME
ZW_INDICATOR_SET_4BYTE_V2_FRAME
ZW_INDICATOR_SUPPORTED_GET_V2_FRAME
ZW_INDICATOR_SUPPORTED_GET_V2_FRAME
ZW_INDICATOR_SUPPORTED_REPORT_1BYTE_V2_FRAME
ZW_INDICATOR_SUPPORTED_REPORT_2BYTE_V2_FRAME
ZW_INDICATOR_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_INDICATOR_SUPPORTED_REPORT_4BYTE_V2_FRAME
ZW_INDICATOR_SUPPORTED_REPORT_4BYTE_V2_FRAME
ZW_INDICATOR_SUPPORTED_REPORT_4BYTE_V2_FRAME
/* Command_class_IP_Configuration */\
ZW_IP_CONFIGURATION_GET_FRAME
                                                                                                                                                                       ZW_IndicatorReport4byteV2Frame;\
                                                                                                                                                                      VG_IndicatorSetV2VGroup;\
ZW_IndicatorSet1byteV2Frame;\
ZW_IndicatorSet2byteV2Frame;\
ZW_IndicatorSet3byteV2Frame;\
                                                                                                                                                                       ZW_IndicatorSet4byteV2Frame; \
                                                                                                                                                                       ZW_IndicatorSupportedGetV2Frame; \
                                                                                                                                                                      ZW_IndicatorSupportedReport1byteV2Frame;\
ZW_IndicatorSupportedReport2byteV2Frame;\
ZW_IndicatorSupportedReport3byteV2Frame;\
                                                                                                                                                                       ZW IndicatorSupportedReport4byteV2Frame; \
     ZW IP CONFIGURATION GET FRAME
ZW IP CONFIGURATION RELEASE FRAME
ZW IP CONFIGURATION RENEW FRAME
ZW IP CONFIGURATION REPORT FRAME
ZW IP CONFIGURATION SET FRAME
                                                                                                                                                                      ZW_IpConfigurationGetFrame;\
ZW_IpConfigurationReleaseFrame;\
ZW_IpConfigurationRenewFrame;\
                                                                                                                                                                       ZW_IpConfigurationReportFrame; \
                                                                                                                                                                       ZW IpConfigurationSetFrame;
 /* Command class Language */\
ZW_LANGUAGE_GET_FRAME
ZW_LANGUAGE_REPORT_FRAME
ZW_LANGUAGE_SET_FRAME
/* Command class Lock */\
                                                                                                                                                                      ZW_LanguageGetFrame; \
ZW_LanguageReportFrame; \
                                                                                                                                                                      ZW LanguageSetFrame; \
      ZW_LOCK_GET_FRAME
ZW_LOCK_REPORT_FRAME
ZW_LOCK_SET_FRAME
                                                                                                                                                                       ZW_LockGetFrame; \
                                                                                                                                                                       ZW_LockReportFrame; \
                                                                                                                                                                       ZW LockSetFrame; \
/* Command class Manufacturer Specific */\
ZW_MANUFACTURER SPECIFIC_GET_FRAME
ZW_MANUFACTURER_SPECIFIC_REPORT_FRAME
/* Command class Manufacturer Specific V2 */\
                                                                                                                                                                       ZW ManufacturerSpecificGetFrame; \
                                                                                                                                                                      ZW ManufacturerSpecificReportFrame; \
     ZW_MANUFACTURER_SPECIFIC_GET_V2_FRAME
ZW_MANUFACTURER_SPECIFIC_REPORT_V2_FRAME
ZW_DEVICE_SPECIFIC_GET_V2_FRAME
ZW_DEVICE_SPECIFIC_REPORT_1BYTE_V2_FRAME
ZW_DEVICE_SPECIFIC_REPORT_2BYTE_V2_FRAME
ZW_DEVICE_SPECIFIC_REPORT_3BYTE_V2_FRAME
ZW_DEVICE_SPECIFIC_REPORT_3BYTE_V2_FRAME
ZW_DEVICE_SPECIFIC_REPORT_4BYTE_V2_FRAME
                                                                                                                                                                       ZW_ManufacturerSpecificGetV2Frame; \
                                                                                                                                                                      ZW_ManufacturerSpecificReportV2Frame;\
ZW_DeviceSpecificGetV2Frame;\
                                                                                                                                                                       ZW DeviceSpecificReport1byteV2Frame; \
                                                                                                                                                                       ZW DeviceSpecificReport2byteV2Frame; \
                                                                                                                                                                       ZW_DeviceSpecificReport3byteV2Frame; \
                                                                                                                                                                       ZW DeviceSpecificReport4byteV2Frame; \
 /* Command class Meter Pulse */\
ZW_METER_PULSE_GET_FRAME
ZW_METER_PULSE_REPORT_FRAME
                                                                                                                                                                       ZW MeterPulseGetFrame; \
                                                                                                                                                                      ZW MeterPulseReportFrame; \
 /* Command class Meter Tbl Config */\
     ZW_METER_TBL_TABLE_POINT_ADM_NO_SET_lBYTE_FRAME
ZW_METER_TBL_TABLE_POINT_ADM_NO_SET_2BYTE_FRAME
ZW_METER_TBL_TABLE_POINT_ADM_NO_SET_3BYTE_FRAME
ZW_METER_TBL_TABLE_POINT_ADM_NO_SET_4BYTE_FRAME
Command_class_Meter_Tbl_Monitor */\
                                                                                                                                                                       ZW MeterTblTablePointAdmNoSet1byteFrame;
                                                                                                                                                                       ZW_MeterTblTablePointAdmNoSet2byteFrame; \
                                                                                                                                                                      ZW_MeterTblTablePointAdmNoSet3byteFrame;\
ZW_MeterTblTablePointAdmNoSet4byteFrame;\
```

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VG METER TBL STATUS REPORT VG
                                                                                                                                                   VG MeterTblStatusReportVGroup; \
     ZW_METER_TBL_STATUS_REPORT_1BYTE_FRAME
ZW_METER_TBL_STATUS_REPORT_2BYTE_FRAME
                                                                                                                                                   ZW_MeterTblStatusReport1byteFrame; \
                                                                                                                                                   ZW MeterTblStatusReport2byteFrame; \
     ZW METER TBL STATUS REPORT 3BYTE FRAME
ZW METER TBL STATUS REPORT 4BYTE FRAME
ZW METER TBL STATUS DATE GET FRAME
ZW METER TBL STATUS DEPTH GET FRAME
ZW METER TBL STATUS SUPPORTED GET FRAME
                                                                                                                                                  ZW_MeterTblStatusReport3byteFrame; \
ZW_MeterTblStatusReport4byteFrame; \
                                                                                                                                                   ZW MeterTblStatusDateGetFrame;
                                                                                                                                                   ZW MeterTblStatusDepthGetFrame;
                                                                                                                                                   ZW_MeterTblStatusSupportedGetFrame; \
    ZW METER TBL STATUS SUPPORTED GET FRAME
ZW METER TBL CURRENT DATA GET FRAME
VG METER TBL CURRENT DATA REPORT VG
ZW METER TBL CURRENT DATA REPORT 1BYTE FRAME
ZW METER TBL CURRENT DATA REPORT 2BYTE FRAME
ZW METER TBL CURRENT DATA REPORT 3BYTE FRAME
ZW METER TBL CURRENT DATA REPORT 4BYTE FRAME
ZW METER TBL CURRENT DATA REPORT 4BYTE FRAME
ZW METER TBL CURRENT DATA REPORT 4BYTE FRAME
                                                                                                                                                   ZW_MeterTblStatusSupportedReportFrame; \
                                                                                                                                                   ZW MeterTblCurrentDataGetFrame; \
                                                                                                                                                   VG MeterTblCurrentDataReportVGroup; \
                                                                                                                                                   ZW_MeterTblCurrentDataReport1byteFrame; \
                                                                                                                                                   ZW MeterTblCurrentDataReport2byteFrame; \
                                                                                                                                                   ZW_MeterTblCurrentDataReport3byteFrame;
                                                                                                                                                   ZW_MeterTblCurrentDataReport4byteFrame; \
     ZW_METER_TBL_HISTORICAL_DATA_GET_FRAME
VG_METER_TBL_HISTORICAL_DATA_REPORT_VG
                                                                                                                                                  ZW_MeterTblHistoricalDataGetFrame;\
VG_MeterTblHistoricalDataReportVGroup;\
     VG METER TBL HISTORICAL DATA REPORT VG
ZW METER TBL HISTORICAL DATA REPORT 1BYTE FRAME
ZW METER TBL HISTORICAL DATA REPORT 2BYTE FRAME
ZW METER TBL HISTORICAL DATA REPORT 3BYTE FRAME
ZW METER TBL HISTORICAL DATA REPORT 4BYTE FRAME
ZW METER TBL TABLE CAPABILITY GET FRAME
ZW METER TBL TABLE CAPABILITY GET FRAME
ZW METER TBL TABLE ID GET FRAME
                                                                                                                                                   ZW_MeterTblHistoricalDataReport1byteFrame; \
                                                                                                                                                   ZW_MeterTblHistoricalDataReport2byteFrame;
                                                                                                                                                   ZW MeterTblHistoricalDataReport3byteFrame; \
                                                                                                                                                  ZW_MeterTblHistoricalDataReport4byteFrame;\
ZW_MeterTblReportFrame;\
ZW_MeterTblTableCapabilityGetFrame;\
                                                                                                                                                   ZW MeterTblTableIdGetFrame;
      ZW METER TBL TABLE ID REPORT 1BYTE FRAME
                                                                                                                                                   ZW MeterTblTableIdReport1byteFrame; \
     ZW METER TBL TABLE ID REPORT 2BYTE FRAME
ZW METER TBL TABLE ID REPORT 3BYTE FRAME
ZW METER TBL TABLE ID REPORT 4BYTE FRAME
ZW METER TBL TABLE POINT ADM NO GET FRAME
                                                                                                                                                   ZW_MeterTblTableIdReport2byteFrame;
                                                                                                                                                   ZW_MeterTblTableIdReport3byteFrame; \
                                                                                                                                                  ZW_MeterTblTableIdReport4byteFrame;\
ZW_MeterTblTablePointAdmNoGetFrame;\
     ZW METER TBL TABLE POINT ADM NO REPORT 1BYTE FRAME ZW METER TBL TABLE POINT ADM NO REPORT 2BYTE FRAME ZW METER TBL TABLE POINT ADM NO REPORT 3BYTE FRAME
                                                                                                                                                   ZW_MeterTblTablePointAdmNoReport1byteFrame; \
                                                                                                                                                   ZW_MeterTblTablePointAdmNoReport2byteFrame;
                                                                                                                                                   ZW_MeterTblTablePointAdmNoReport3byteFrame; \
   ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_4BYTE_FRAME

'* Command class Meter Tbl Monitor V2 */\
VG_METER_TBL_STATUS_REPORT_V2_VG
ZW_METER_TBL_STATUS_REPORT_1BYTE_V2_FRAME
                                                                                                                                                  ZW_MeterTblTablePointAdmNoReport4byteFrame;\
                                                                                                                                                   VG MeterTblStatusReportV2VGroup; \
                                                                                                                                                   ZW MeterTblStatusReport1byteV2Frame; \
      ZW_METER_TBL_STATUS_REPORT_2BYTE_V2_FRAME
                                                                                                                                                   ZW_MeterTblStatusReport2byteV2Frame; \
     ZW_METER_TBL_STATUS_REPORT_ZBITE_V2_FRAME
ZW_METER_TBL_STATUS_REPORT_3BYTE_V2_FRAME
ZW_METER_TBL_STATUS_REPORT_4BYTE_V2_FRAME
ZW_METER_TBL_STATUS_DATE_GET_V2_FRAME
ZW_METER_TBL_STATUS_DEPTH_GET_V2_FRAME
ZW_METER_TBL_STATUS_SUPPORTED_GET_V2_FRAME
ZW_METER_TBL_STATUS_SUPPORTED_REPORT_V2_FRAME
ZW_METER_TBL_CURRENT_DATA_GET_V2_FRAME
                                                                                                                                                   ZW_MeterTblStatusReport3byteV2Frame;
                                                                                                                                                  ZW_MeterTblStatusReport4byteV2Frame; \
ZW_MeterTblStatusDateGetV2Frame; \
                                                                                                                                                   ZW MeterTblStatusDepthGetV2Frame;
                                                                                                                                                   ZW_MeterTblStatusSupportedGetV2Frame; \
ZW_METER_TBL_STATUS_SUPPORTED_REPORT_V2_FRAME
ZW_METER_TBL_CURRENT_DATA_GET_V2_VG
ZW_METER_TBL_CURRENT_DATA_REPORT_V2_VG
ZW_METER_TBL_CURRENT_DATA_REPORT_1BYTE_V2_FRAME
ZW_METER_TBL_CURRENT_DATA_REPORT_1BYTE_V2_FRAME
ZW_METER_TBL_CURRENT_DATA_REPORT_3BYTE_V2_FRAME
ZW_METER_TBL_CURRENT_DATA_REPORT_3BYTE_V2_FRAME
ZW_METER_TBL_HISTORICAL_DATA_REPORT_4BYTE_V2_FRAME
VG_METER_TBL_HISTORICAL_DATA_REPORT_V2_VG
ZW_METER_TBL_HISTORICAL_DATA_REPORT_1BYTE_V2_FRAME
ZW_METER_TBL_HISTORICAL_DATA_REPORT_1BYTE_V2_FRAME
ZW_METER_TBL_HISTORICAL_DATA_REPORT_1BYTE_V2_FRAME
ZW_METER_TBL_HISTORICAL_DATA_REPORT_1BYTE_V2_FRAME
ZW_METER_TBL_HISTORICAL_DATA_REPORT_1BYTE_V2_FRAME
ZW_METER_TBL_REPORT_V2_FRAME
ZW_METER_TBL_REPORT_V2_FRAME
ZW_METER_TBL_TABLE_ID_GET_V2_FRAME
ZW_METER_TBL_TABLE_ID_GET_V2_FRAME
ZW_METER_TBL_TABLE_ID_REPORT_1BYTE_V2_FRAME
ZW_METER_TBL_TABLE_ID_REPORT_1BYTE_V2_FRAME
ZW_METER_TBL_TABLE_ID_REPORT_1BYTE_V2_FRAME
ZW_METER_TBL_TABLE_ID_REPORT_1BYTE_V2_FRAME
ZW_METER_TBL_TABLE_ID_REPORT_1BYTE_V2_FRAME
ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_1BYTE_V2_FRAME
ZW_METER_TBL_PUSH_CONFIGURATION_GET_FRAME
ZW_METER_TBL_PUSH_CONFIGURATION_GET_FRAME
ZW_METER_TBL_PUSH_CONFIGURATION_SET_FRAME
ZW_METER_TBL_PUSH_CONFIGURATION_SET_FRAME
ZW_METER_TBL_PUSH_CONFIGURATION_SET_FRAME
ZW_METER_TBL_PUSH_CONFIGURATION_SET_FRAME
ZW_METER_TBL_PUSH_CONFIGURATION_SET_FRAME
ZW_METER_TBL_PUSH_CONFIGURATION_SET_FRAME
                                                                                                                                                   ZW_MeterTblStatusSupportedReportV2Frame; \
                                                                                                                                                   ZW_MeterTblCurrentDataGetV2Frame; \
                                                                                                                                                  VG_MeterTblCurrentDataReportV2VGroup; \
ZW_MeterTblCurrentDataReport1byteV2Frame; \
                                                                                                                                                   ZW MeterTblCurrentDataReport2byteV2Frame; \
                                                                                                                                                   ZW_MeterTblCurrentDataReport3byteV2Frame;
                                                                                                                                                   ZW_MeterTblCurrentDataReport4byteV2Frame; \
                                                                                                                                                   ZW_MeterTblHistoricalDataGetV2Frame;
                                                                                                                                                   VG MeterTblHistoricalDataReportV2VGroup; \
                                                                                                                                                   ZW_MeterTblHistoricalDataReport1byteV2Frame; \
                                                                                                                                                   ZW MeterTblHistoricalDataReport2byteV2Frame;
                                                                                                                                                   ZW_MeterTblHistoricalDataReport3byteV2Frame;
                                                                                                                                                   ZW_MeterTblHistoricalDataReport4byteV2Frame; \
                                                                                                                                                  ZW_MeterTblReportV2Frame;\
ZW_MeterTblTableCapabilityGetV2Frame;\
ZW_MeterTblTableIdGetV2Frame;\
                                                                                                                                                   ZW_MeterTblTableIdReport1byteV2Frame; \
                                                                                                                                                   ZW_MeterTblTableIdReport2byteV2Frame; \
                                                                                                                                                   ZW_MeterTblTableIdReport3byteV2Frame; \
                                                                                                                                                  ZW_MeterTblTableIdReport4byteV2Frame; \
ZW_MeterTblTablePointAdmNoGetV2Frame; \
                                                                                                                                                   ZW MeterTblTablePointAdmNoReport1byteV2Frame; \
                                                                                                                                                   ZW MeterTblTablePointAdmNoReport2byteV2Frame;
                                                                                                                                                   ZW_MeterTblTablePointAdmNoReport3byteV2Frame; \
                                                                                                                                                   ZW_MeterTblTablePointAdmNoReport4byteV2Frame; \
                                                                                                                                                   ZW MeterTblPushConfigurationGetFrame;
                                                                                                                                                   ZW MeterTblPushConfigurationReportFrame; \
 ZW_METER_TBL_PUSH_CONFIGURATION_SET_FRAME /* Command class Meter */\
                                                                                                                                                   ZW_MeterTblPushConfigurationSetFrame; \
     ZW_METER_GET_FRAME
ZW_METER_REPORT_1BYTE_FRAME
ZW_METER_REPORT_2BYTE_FRAME
ZW_METER_REPORT_3BYTE_FRAME
ZW_METER_REPORT_4BYTE_FRAME
                                                                                                                                                   ZW_MeterGetFrame; \
                                                                                                                                                  ZW_MeterReport1byteFrame;\
ZW_MeterReport2byteFrame;\
                                                                                                                                                   ZW MeterReport3byteFrame; \
                                                                                                                                                   ZW_MeterReport4byteFrame; \
  /* Command class Meter V2 */
     ZW METER GET V2 FRAME
ZW METER REPORT 1BYTE V2 FRAME
ZW METER REPORT 2BYTE V2 FRAME
                                                                                                                                                   ZW MeterGetV2Frame; \
                                                                                                                                                   ZW_MeterReport1byteV2Frame; \
                                                                                                                                                   ZW MeterReport2byteV2Frame; \
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ZW_METER_REPORT_3BYTE_V2_FRAME
ZW_METER_REPORT_4BYTE_V2_FRAME
ZW_METER_RESET_V2_FRAME
ZW_METER_SUPPORTED_GET_V2_FRAME
ZW_METER_SUPPORTED_REPORT_V2_FRAME
                                                                                                                                            ZW MeterReport3byteV2Frame; \
                                                                                                                                            ZW_MeterReport4byteV2Frame; \
                                                                                                                                            ZW MeterResetV2Frame;
                                                                                                                                            ZW_MeterSupportedGetV2Frame; \
                                                                                                                                            ZW_MeterSupportedReportV2Frame; \
/* Command class Meter V3 */
   Command class Meter V3 */\
ZW_METER_GET_V3_FRAME
ZW_METER_REPORT_1BYTE_V3_FRAME
ZW_METER_REPORT_2BYTE_V3_FRAME
ZW_METER_REPORT_3BYTE_V3_FRAME
ZW_METER_RESET_V3_FRAME
ZW_METER_RESET_V3_FRAME
                                                                                                                                            ZW MeterGetV3Frame; \
                                                                                                                                            ZW_MeterReport1byteV3Frame; \
                                                                                                                                            ZW_MeterReport2byteV3Frame; \
                                                                                                                                            ZW_MeterReport3byteV3Frame; \
                                                                                                                                            ZW_MeterReport4byteV3Frame; \
                                                                                                                                            ZW MeterResetV3Frame; \
   ZW_METER_SUPPORTED_GET_V3_FRAME
ZW_METER_SUPPORTED_REPORT_V3_FRAME
                                                                                                                                            ZW MeterSupportedGetV3Frame; \
                                                                                                                                            ZW_MeterSupportedReportV3Frame; \
/* Command class Meter V4 */
  * Command class Meter V4 */\
ZW_METER_GET_V4 FRAME
ZW_METER_REPORT_1BYTE_V4 FRAME
ZW_METER_REPORT_2BYTE_V4 FRAME
ZW_METER_REPORT_3BYTE_V4 FRAME
ZW_METER_REPORT_3BYTE_V4 FRAME
ZW_METER_REPORT_4BYTE_V4 FRAME
ZW_METER_RESET_V4 FRAME
ZW_METER_SUPPORTED_GET_V4 FRAME
ZW_METER_SUPPORTED_REPORT_1BYTE_V4 FRAME
ZW_METER_SUPPORTED_REPORT_3BYTE_V4 FRAME
ZW_METER_SUPPORTED_REPORT_3BYTE_V4 FRAME
ZW_METER_SUPPORTED_REPORT_3BYTE_V4 FRAME
ZW_METER_SUPPORTED_REPORT_4BYTE_V4 FRAME
ZW_METER_SUPPORTED_REPORT_4BYTE_V4 FRAME
ZW_METER_SUPPORTED_REPORT_4BYTE_V4 FRAME
XW_METER_SUPPORTED_REPORT_4BYTE_V4 FRAME
XW_METER_SUPPORTED_REPORT_3BYTE_V4 FRAME
                                                                                                                                           ZW_MeterGetV4Frame;\
ZW MeterReport1byteV4Frame;\
                                                                                                                                            ZW_MeterReport2byteV4Frame; \
                                                                                                                                            ZW_MeterReport3byteV4Frame;
                                                                                                                                            ZW_MeterReport4byteV4Frame; \
                                                                                                                                            ZW_MeterResetV4Frame;\
ZW_MeterSupportedGetV4Frame;\
                                                                                                                                            ZW MeterSupportedReport1byteV4Frame; \
                                                                                                                                            ZW MeterSupportedReport2byteV4Frame; \
                                                                                                                                            ZW MeterSupportedReport3byteV4Frame; \
                                                                                                                                            ZW_MeterSupportedReport4byteV4Frame; \
/* Command class Mtp Window Covering */\
ZW_MOVE_TO_POSITION_GET_FRAME
ZW_MOVE_TO_POSITION_REPORT_FRAME
                                                                                                                                            ZW MoveToPositionGetFrame:\
                                                                                                                                            ZW MoveToPositionReportFrame; \
ZW_MOVE_TO_POSITION_SET_FRAME

/* Command class Multi Channel Association V2 */\
                                                                                                                                            ZW_MoveToPositionSetFrame; \
   ZW_MULTI_CHANNEL_ASSOCIATION_GET_V2_FRAME
                                                                                                                                            ZW_MultiChannelAssociationGetV2Frame; \
   ZW_MULTI_CHANNEL_ASSOCIATION_GET_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_GROUPINGS_GET_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_1BYTE_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_2BYTE_V2_FRAME
                                                                                                                                            \begin{tabular}{ll} ZW\_MultiChannelAssociationGroupingsGetV2Frame; $$ ZW\_MultiChannelAssociationGroupingsReportV2Frame; $$ \end{tabular} 
                                                                                                                                            ZW MultiChannelAssociationRemove1byteV2Frame;
                                                                                                                                            ZW MultiChannelAssociationRemove2byteV2Frame;
    ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_3BYTE_V2_FRAME
                                                                                                                                            ZW_MultiChannelAssociationRemove3byteV2Frame; \
   ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_4BYTE_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_4BYTE_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_1BYTE_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_3BYTE_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_4BYTE_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_SET_1BYTE_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_SET_2BYTE_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_SET_2BYTE_V2_FRAME
                                                                                                                                            ZW_MultiChannelAssociationRemove4byteV2Frame; \
                                                                                                                                            ZW_MultiChannelAssociationReport1byteV2Frame; \
                                                                                                                                            ZW MultiChannelAssociationReport2byteV2Frame; \
                                                                                                                                            ZW MultiChannelAssociationReport3byteV2Frame;
                                                                                                                                            ZW_MultiChannelAssociationReport4byteV2Frame; \
                                                                                                                                            ZW_MultiChannelAssociationSet1byteV2Frame; \
                                                                                                                                            ZW_MultiChannelAssociationSet2byteV2Frame; \
ZW_MULTI_CHANNEL_ASSOCIATION_SET_3BYTE_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_SET_4BYTE_V2_FRAME
/* Command class Multi Channel Association V3 */\
ZW_MULTI_CHANNEL_ASSOCIATION_GET_V3_FRAME
                                                                                                                                            ZW_MultiChannelAssociationSet3byteV2Frame;\
ZW_MultiChannelAssociationSet4byteV2Frame;\
                                                                                                                                            ZW_MultiChannelAssociationGetV3Frame; \
   ZW MULTI CHANNEL ASSOCIATION GROUPINGS GET V3 FRAME
ZW MULTI CHANNEL ASSOCIATION GROUPINGS REPORT V3 FRAME
ZW MULTI CHANNEL ASSOCIATION REMOVE 1BYTE V3 FRAME
ZW MULTI CHANNEL ASSOCIATION REMOVE 2BYTE V3 FRAME
ZW MULTI CHANNEL ASSOCIATION REMOVE 3BYTE V3 FRAME
ZW MULTI CHANNEL ASSOCIATION REMOVE 3BYTE V3 FRAME
                                                                                                                                            ZW_MultiChannelAssociationGroupingsGetV3Frame; \
                                                                                                                                            ZW_MultiChannelAssociationGroupingsReportV3Frame; \
                                                                                                                                            ZW_MultiChannelAssociationRemove1byteV3Frame;
                                                                                                                                            ZW MultiChannelAssociationRemove2byteV3Frame;
                                                                                                                                            ZW MultiChannelAssociationRemove3byteV3Frame;
   ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_4BYTE_V3_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_1BYTE_V3_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_2BYTE_V3_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_3BYTE_V3_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_4BYTE_V3_FRAME
                                                                                                                                            ZW_MultiChannelAssociationRemove4byteV3Frame;
                                                                                                                                            ZW_MultiChannelAssociationReport1byteV3Frame; \
                                                                                                                                            {\tt ZW\_MultiChannelAssociationReport2byteV3Frame; } \
                                                                                                                                            ZW MultiChannelAssociationReport3byteV3Frame; \
                                                                                                                                            ZW MultiChannelAssociationReport4byteV3Frame;
 ZW_MULTI_CHANNEL_ASSOCIATION_REFORT 451E_V3_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_SET_1BYTE_V3_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_SET_3BYTE_V3_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_SET_4BYTE_V3_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_SET_4BYTE_V3_FRAME
/* Command_class_Multi_Channel_V2_*/
                                                                                                                                            ZW_MultiChannelAssociationSet1byteV3Frame; \
                                                                                                                                            ZW_MultiChannelAssociationSet2byteV3Frame;
                                                                                                                                            ZW_MultiChannelAssociationSet3byteV3Frame; \
                                                                                                                                            ZW MultiChannelAssociationSet4byteV3Frame; \
   ZW_MULTI_CHANNEL_CAPABILITY_GET_V2_FRAME
ZW_MULTI_CHANNEL_CAPABILITY_REPORT_1BYTE_V2_FRAME
                                                                                                                                            ZW MultiChannelCapabilityGetV2Frame; \
                                                                                                                                            ZW MultiChannelCapabilityReport1byteV2Frame; \
   ZW_MULTI_CHANNEL_CAPABILITY_REPORT_1BYTE_V2_FRAME
ZW_MULTI_CHANNEL_CAPABILITY_REPORT_2BYTE_V2_FRAME
ZW_MULTI_CHANNEL_CAPABILITY_REPORT_3BYTE_V2_FRAME
ZW_MULTI_CHANNEL_CAPABILITY_REPORT_4BYTE_V2_FRAME
ZW_MULTI_CHANNEL_END_POINT_FIND_V2_FRAME
ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_V2_VG
ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_1BYTE_V2_FRAME
ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_1BYTE_V2_FRAME
ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_3BYTE_V2_FRAME
ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_4BYTE_V2_FRAME
ZW_MULTI_CHANNEL_END_POINT_GET_V2_FRAME
ZW_MULTI_CHANNEL_END_POINT_GET_V2_FRAME
ZW_MULTI_CHANNEL_END_POINT_REPORT_V2_FRAME
ZW_MULTI_CHANNEL_END_POINT_REPORT_V2_FRAME
ZW_MULTI_CHANNEL_END_FOINT_REPORT_V2_FRAME
ZW_MULTI_CHANNEL_END_FOINT_REPORT_V2_FRAME
ZW_MULTI_INSTANCE_GET_V2_FRAME
ZW_MULTI_INSTANCE_GET_V2_FRAME
                                                                                                                                            ZW_MultiChannelCapabilityReport2byteV2Frame; \
                                                                                                                                            ZW_MultiChannelCapabilityReport3byteV2Frame;
                                                                                                                                            ZW_MultiChannelCapabilityReport4byteV2Frame;\
ZW_MultiChannelEndPointFindV2Frame;\
                                                                                                                                            ZW_MultiChannelEndPointFindReport1byteV2Frame; \
                                                                                                                                            ZW_MultiChannelEndPointFindReport2byteV2Frame; \
                                                                                                                                            ZW_MultiChannelEndPointFindReport3byteV2Frame;\
ZW_MultiChannelEndPointFindReport4byteV2Frame;\
                                                                                                                                            ZW MultiChannelEndPointGetV2Frame; \
                                                                                                                                            ZW MultiChannelEndPointReportV2Frame; \
                                                                                                                                            ZW MultiInstanceGetV2Frame;
ZW_MULTI_INSTANCE_REPORT_V2_FRAME

/* Command class Multi Channel V3 */\
ZW_MULTI_CHANNEL_CAPABILITY_GET_V3_FRAME
ZW_MULTI_CHANNEL_CAPABILITY_REPORT_1BYTE_V3_FRAME
                                                                                                                                            ZW_MultiInstanceReportV2Frame; \
                                                                                                                                            ZW_MultiChannelCapabilityGetV3Frame; \
                                                                                                                                            ZW MultiChannelCapabilityReport1byteV3Frame; \
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ZW MULTI CHANNEL CAPABILITY REPORT 2BYTE V3 FRAME
                                                                                                                               ZW MultiChannelCapabilityReport2byteV3Frame; \
    ZW MULTI CHANNEL CAPABILITY REPORT 2BYTE V3 FRAME
ZW MULTI CHANNEL CAPABILITY REPORT 3BYTE V3 FRAME
ZW MULTI CHANNEL CAPABILITY REPORT 4BYTE V3 FRAME
ZW MULTI CHANNEL END POINT FIND V3 FRAME
VG MULTI CHANNEL END POINT FIND REPORT V3 VG
ZW MULTI CHANNEL END POINT FIND REPORT 1BYTE V3 FRAME
ZW MULTI CHANNEL END POINT FIND REPORT 2BYTE V3 FRAME
                                                                                                                               ZW_MultiChannelCapabilityReport3byteV3Frame;
                                                                                                                               ZW MultiChannelCapabilityReport4byteV3Frame; \
                                                                                                                               ZW_MultiChannelEndPointFindV3Frame; \
VG_MultiChannelEndPointFindReportV3VGroup; \
                                                                                                                               ZW MultiChannelEndPointFindReport1byteV3Frame; \
                                                                                                                               ZW_MultiChannelEndPointFindReport2byteV3Frame; \
#define ZW_FRAME_COLLECTION_MACRO2\
ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_3BYTE_V3_FRAME
ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_4BYTE_V3_FRAME
ZW_MULTI_CHANNEL_END_POINT_GET_V3_FRAME
ZW_MULTI_CHANNEL_END_POINT_REPORT_V3_FRAME
ZW_MULTI_INSTANCE_GET_V3_FRAME
ZW_MULTI_INSTANCE_REPORT_V3_FRAME

ZW_MULTI_INSTANCE_REPORT_V3_FRAME
                                                                                                                               ZW MultiChannelEndPointFindReport3byteV3Frame; \
                                                                                                                               ZW MultiChannelEndPointFindReport4byteV3Frame; \
                                                                                                                               ZW MultiChannelEndPointGetV3Frame; \
                                                                                                                               ZW MultiChannelEndPointReportV3Frame;
                                                                                                                               ZW_MultiInstanceGetV3Frame; \
ZW_MULTI_INSTANCE_REPORT_V3_FRAME

/* Command class Multi Channel V4 */\
ZW_MULTI_CHANNEL_CAPABILITY_GET_V4_FRAME
ZW_MULTI_CHANNEL_CAPABILITY_REPORT_1BYTE_V4_FRAME
ZW_MULTI_CHANNEL_CAPABILITY_REPORT_2BYTE_V4_FRAME
ZW_MULTI_CHANNEL_CAPABILITY_REPORT_3BYTE_V4_FRAME
ZW_MULTI_CHANNEL_ECAPABILITY_REPORT_4BYTE_V4_FRAME
ZW_MULTI_CHANNEL_END_POINT_FIND_V4_FRAME
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V4_VG
ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_1BYTE_V4_FRAME
ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_2BYTE_V4_FRAME
ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_3BYTE_V4_FRAME
ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_3BYTE_V4_FRAME
ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_3BYTE_V4_FRAME
ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_3BYTE_V4_FRAME
ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_4BYTE_V4_FRAME
ZW_MULTI_CHANNEL_END_POINT_REPORT_V4_FRAME
ZW_MULTI_CHANNEL_END_POINT_REPORT_V4_FRAME
ZW_MULTI_NSTANCE_GET_V4_FRAME
ZW_MULTI_NSTANCE_GET_V4_FRAME
                                                                                                                               ZW_MultiInstanceReportV3Frame; \
                                                                                                                               ZW MultiChannelCapabilityGetV4Frame; \
                                                                                                                               ZW_MultiChannelCapabilityReport1byteV4Frame; \
                                                                                                                               ZW_MultiChannelCapabilityReport2byteV4Frame;
                                                                                                                               ZW_MultiChannelCapabilityReport3byteV4Frame; \
                                                                                                                               ZW_MultiChannelCapabilityReport4byteV4Frame;\
ZW_MultiChannelEndPointFindV4Frame;\
                                                                                                                               VG MultiChannelEndPointFindReportV4VGroup; \
                                                                                                                               ZW MultiChannelEndPointFindReport1byteV4Frame;
                                                                                                                               ZW MultiChannelEndPointFindReport2byteV4Frame;
                                                                                                                               ZW_MultiChannelEndPointFindReport3byteV4Frame; \
                                                                                                                               ZW_MultiChannelEndPointFindReport4byteV4Frame;\
ZW_MultiChannelEndPointGetV4Frame;\
                                                                                                                               ZW MultiChannelEndPointReportV4Frame;
ZW_MULTI_INSTANCE_GET_V4_FRAME
ZW_MULTI_INSTANCE_REPORT_V4_FRAME
ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_GET_V4_FRAME
ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_1BYTE_V4_FRAME
ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_1BYTE_V4_FRAME
ZW_MULTICHANNEL_AGGREGATED_MEMBERS_REPORT_BYTE_V4_FRAME
                                                                                                                               ZW_MultiInstanceGetV4Frame; \
                                                                                                                               ZW_MultiInstanceReportV4Frame; \
                                                                                                                               ZW MultiChannelAggregatedMembersGetV4Frame; \
     ZW MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_2BYTE_V4_FRAME
 ZW MultiChannelAggregatedMembersReport2byteV4Frame;
     ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_3BYTE_V4_FRAME
ZW_MultiChannelAggregatedMembersReport3byteV4Frame;\
   ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_4BYTE_V4_FRAME
ZW_MultiChannelAggregatedMembersReport4byteV4Frame;\
      .
Command class Multi Instance Association */
     ZW_MULTI_INSTANCE_ASSOCIATION_GET_FRAME
                                                                                                                               ZW_MultiInstanceAssociationGetFrame; \
    ZW_MULTI_INSTANCE_ASSOCIATION_GROUPINGS_GET_FRAME
ZW_MULTI_INSTANCE_ASSOCIATION_GROUPINGS_REPORT_FRAME
ZW_MULTI_INSTANCE_ASSOCIATION_REMOVE_1BYTE_FRAME
ZW_MULTI_INSTANCE_ASSOCIATION_REMOVE_2BYTE_FRAME
                                                                                                                               ZW MultiInstanceAssociationGroupingsGetFrame; \
                                                                                                                               ZW_MultiInstanceAssociationRemove1byteFrame; \
ZW_MultiInstanceAssociationRemove2byteFrame; \

     ZW_MULTI_INSTANCE_ASSOCIATION_REMOVE_3BYTE_FRAME
ZW_MULTI_INSTANCE_ASSOCIATION_REMOVE_4BYTE_FRAME
                                                                                                                               ZW MultiInstanceAssociationRemove3byteFrame;
                                                                                                                               ZW_MultiInstanceAssociationRemove4byteFrame; \
    ZW MULTI INSTANCE ASSOCIATION REMOVE 4BYTE FRAME
ZW MULTI INSTANCE ASSOCIATION REPORT 1BYTE FRAME
ZW MULTI INSTANCE ASSOCIATION REPORT 2BYTE FRAME
ZW MULTI INSTANCE ASSOCIATION REPORT 3BYTE FRAME
ZW MULTI INSTANCE ASSOCIATION SET 1BYTE FRAME
ZW MULTI INSTANCE ASSOCIATION SET 2BYTE FRAME
ZW MULTI INSTANCE ASSOCIATION SET 3BYTE FRAME
ZW MULTI INSTANCE ASSOCIATION SET 3BYTE FRAME
ZW MULTI INSTANCE ASSOCIATION SET 3BYTE FRAME
ZW MULTI INSTANCE ASSOCIATION SET 4BYTE FRAME
                                                                                                                               ZW_MultiInstanceAssociationReport1byteFrame; \
                                                                                                                               ZW_MultiInstanceAssociationReport2byteFrame; \
                                                                                                                               ZW MultiInstanceAssociationReport3byteFrame; \
                                                                                                                               ZW MultiInstanceAssociationReport4byteFrame; \
                                                                                                                               ZW MultiInstanceAssociationSet1byteFrame;
                                                                                                                               ZW_MultiInstanceAssociationSet2byteFrame; \
                                                                                                                               ZW_MultiInstanceAssociationSet3byteFrame; \
                                                                                                                               ZW MultiInstanceAssociationSet4byteFrame; \
 /* Command class Multi Instance *
ZW_MULTI_INSTANCE_GET_FRAME
                                                                                                                               ZW MultiInstanceGetFrame;\
 ZW_MULTI_INSTANCE_REPORT_FRAME
/* Command class Network Management Proxy */\
                                                                                                                               ZW_MultiInstanceReportFrame; \
    ZW NODE INFO CACHED REPORT BYTE FRAME
                                                                                                                               ZW_NodeInfoCachedGetFrame;\
ZW_NodeInfoCachedReport1byteFrame;\
                                                                                                                               ZW NodeInfoCachedReport2byteFrame; \
                                                                                                                               ZW NodeInfoCachedReport3byteFrame; \
                                                                                                                               ZW NodeInfoCachedReport4byteFrame; \
    ZW NODE LIST GET FRAME
ZW NODE LIST REPORT 1BYTE FRAME
ZW NODE LIST REPORT 2BYTE FRAME
ZW NODE LIST REPORT 3BYTE FRAME
ZW NODE LIST REPORT 4BYTE FRAME
                                                                                                                               ZW_NodeListGetFrame; \
                                                                                                                               ZW_NodeListReport1byteFrame; \
ZW_NodeListReport2byteFrame; \
                                                                                                                               ZW NodeListReport3byteFrame; \
                                                                                                                               ZW NodeListReport4byteFrame; \
 /* Command class Network Management Proxy V2 */\
    ZW NODE INFO CACHED REPORT 18YTE V2 FRAME
ZW NODE INFO CACHED REPORT 28YTE V2 FRAME
ZW NODE INFO CACHED REPORT 38YTE V2 FRAME
ZW NODE INFO CACHED REPORT 38YTE V2 FRAME
ZW NODE INFO CACHED REPORT 48YTE V2 FRAME
ZW NODE INFO CACHED REPORT 48YTE V2 FRAME
ZW NODE LIST GET V2 FRAME
                                                                                                                               ZW NodeInfoCachedGetV2Frame; \
                                                                                                                               ZW_NodeInfoCachedReport1byteV2Frame;\
ZW_NodeInfoCachedReport2byteV2Frame;\
                                                                                                                               ZW NodeInfoCachedReport3byteV2Frame; \
                                                                                                                               ZW NodeInfoCachedReport4byteV2Frame; \
                                                                                                                               ZW_NodeListGetV2Frame; \
    ZW NODE LIST REPORT 1BYTE V2 FRAME
ZW NODE LIST REPORT 2BYTE V2 FRAME
ZW NODE LIST REPORT 3BYTE V2 FRAME
ZW NODE LIST REPORT 4BYTE V2 FRAME
                                                                                                                               ZW_NodeListReport1byteV2Frame; \
                                                                                                                               ZW_NodeListReport2byteV2Frame; \
ZW_NodeListReport3byteV2Frame; \
                                                                                                                               ZW NodeListReport4byteV2Frame; \
```

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/* Command class Network Management Basic */\
ZW_LEARN_MODE_SET_FRAME
ZW_LEARN_MODE_SET_STATUS_FRAME
ZW_NODE_INFORMATION_SEND_FRAME
ZW_NOTWORK_UPDATE_REQUEST_FRAME
ZW_DEFAULT_SET_FRAME
ZW_DEFAULT_SET_COMPLETE_FRAME
ZW_DEFAULT_SET_COMPLETE_FRAME
ZW_DEFAULT_SET_STATUS_FRAME
ZW_LEARN_MODE_SET_V2_FRAME
ZW_LEARN_MODE_SET_STATUS_V2_FRAME
ZW_LEARN_MODE_SET_STATUS_V2_FRAME
ZW_NOTWORK_UPDATE_REQUEST_V2_FRAME
ZW_NETWORK_UPDATE_REQUEST_V2_FRAME
ZW_DEFAULT_SET_V2_FRAME
ZW_DEFAULT_SET_V2_FRAME
ZW_DEFAULT_SET_V2_FRAME
ZW_DEFAULT_SET_V2_FRAME
ZW_DSK_GET_V2_FRAME
ZW_DSK_GET_V2_FRAME
ZW_DSK_REPORT_V2_FRAME
ZW_DSK_REPORT_V2_FRAME
ZW_FAILED_NODE_REMOVE_FRAME
 /* Command class Network Management Basic */\
                                                                                                                                               ZW_LearnModeSetFrame; \
                                                                                                                                               ZW LearnModeSetStatusFrame; \
                                                                                                                                               ZW_NodeInformationSendFrame; \
ZW_NetworkUpdateRequestFrame; \
ZW_NetworkUpdateRequestStatusFrame; \
                                                                                                                                               ZW DefaultSetFrame; \
                                                                                                                                               ZW DefaultSetCompleteFrame; \
                                                                                                                                               ZW LearnModeSetV2Frame; \
                                                                                                                                               ZW LearnModeSetStatusV2Frame; \
                                                                                                                                               ZW NodeInformationSendV2Frame; \
                                                                                                                                               ZW NetworkUpdateRequestV2Frame;
                                                                                                                                               ZW_NetworkUpdateRequestStatusV2Frame; \
                                                                                                                                               ZW_DefaultSetV2Frame; \
                                                                                                                                               ZW_DefaultSetCompleteV2Frame; \
ZW DskGetV2Frame; \
                                                                                                                                               ZW_DskReportV2Frame; \
     ZW_FAILED_NODE_REMOVE_FRAME
                                                                                                                                               ZW_FailedNodeRemoveFrame; \
    ZW_FAILED_NODE_REMOVE_FRAME
ZW_FAILED_NODE_REMOVE_STATUS_FRAME
ZW_NODE_ADD_STATUS_1BYTE_FRAME
ZW_NODE_ADD_STATUS_2BYTE_FRAME
ZW_NODE_ADD_STATUS_3BYTE_FRAME
                                                                                                                                               ZW_FailedNodeRemoveStatusFrame;\
ZW_NodeAddFrame;\
ZW_NodeAddStatus1byteFrame;\
                                                                                                                                               ZW NodeAddStatus2byteFrame;
                                                                                                                                               ZW NodeAddStatus3byteFrame;
     ZW_NODE_ADD_STATUS_4BYTE_FRAME
                                                                                                                                               ZW_NodeAddStatus4byteFrame; \
     ZW_NODE REMOVE_FRAME
ZW_NODE REMOVE_STATUS_FRAME
ZW_FAILED_NODE_REPLACE_FRAME
                                                                                                                                               ZW_NodeRemoveFrame; \
                                                                                                                                               ZW_NodeRemoveStatusFrame;\
ZW_FailedNodeReplaceFrame;\
     ZW FAILED NODE REPLACE STATUS FRAME
ZW NODE NEIGHBOR UPDATE REQUEST FRAME
ZW NODE NEIGHBOR UPDATE STATUS FRAME
                                                                                                                                               ZW_FailedNodeReplaceStatusFrame; \
                                                                                                                                               ZW_NodeNeighborUpdateRequestFrame; \
                                                                                                                                               ZW_NodeNeighborUpdateStatusFrame; \
    ZW_RETURN_ROUTE_ASSIGN_FRAME
ZW_RETURN_ROUTE_ASSIGN_COMPLETE_FRAME
ZW_RETURN_ROUTE_DELETE_FRAME
ZW_RETURN_ROUTE_DELETE_COMPLETE_FRAME
                                                                                                                                               ZW_ReturnRouteAssignFrame; \
ZW_ReturnRouteAssignCompleteFrame; \
                                                                                                                                               ZW ReturnRouteDeleteFrame;
                                                                                                                                               ZW ReturnRouteDeleteCompleteFrame; \
 /* Command class Network Management Inclusion V2 */\
    * Command class Network Management Inclu
ZW_FAILED_NODE_REMOVE_V2_FRAME
ZW_FAILED_NODE_REMOVE_STATUS_V2_FRAME
ZW_NODE_ADD_V2_FRAME
ZW_NODE_ADD_STATUS_1BYTE_V2_FRAME
ZW_NODE_ADD_STATUS_2BYTE_V2_FRAME
ZW_NODE_ADD_STATUS_3BYTE_V2_FRAME
ZW_NODE_ADD_STATUS_3BYTE_V2_FRAME
ZW_NODE_ADD_STATUS_4BYTE_V2_FRAME
ZW_NODE_REMOVE_V2_FRAME
ZW_NODE_REMOVE_V2_FRAME
ZW_NODE_REMOVE_STATUS_V2_FRAME
ZW_FAILED_NODE_REPLACE_V2_FRAME
ZW_FAILED_NODE_REPLACE_STATUS_V2_FRAME
ZW_FOLD_NODE_REPLACE_STATUS_V2_FRAME
ZW_NODE_NETGHBOR_UPDATE_REQUEST_V2_FRAME
ZW_NODE_NETGHBOR_UPDATE_REQUEST_V2_FRAME
                                                                                                                                               ZW_FailedNodeRemoveV2Frame;\
ZW FailedNodeRemoveStatusV2Frame;\
                                                                                                                                               ZW NodeAddV2Frame; \
                                                                                                                                               ZW NodeAddStatus1byteV2Frame; \
                                                                                                                                               ZW_NodeAddStatus2byteV2Frame; \
                                                                                                                                               ZW_NodeAddStatus3byteV2Frame;
                                                                                                                                               ZW_NodeAddStatus4byteV2Frame;\
ZW_NodeRemoveV2Frame;\
ZW_NodeRemoveStatusV2Frame;\
                                                                                                                                               ZW FailedNodeReplaceV2Frame;
                                                                                                                                               ZW_FailedNodeReplaceStatusV2Frame; \
    ZW FALLED NODE REPLACE STATUS V2 FRAME
ZW NODE NEIGHBOR UPDATE REQUEST V2 FRAME
ZW NODE NEIGHBOR UPDATE STATUS V2 FRAME
ZW RETURN ROUTE ASSIGN V2 FRAME
ZW RETURN ROUTE ASSIGN COMPLETE V2 FRAME
ZW RETURN ROUTE DELETE V2 FRAME
ZW RETURN ROUTE DELETE V2 FRAME
                                                                                                                                               ZW_NodeNeighborUpdateRequestV2Frame; \
                                                                                                                                               ZW_NodeNeighborUpdateStatusV2Frame;\
ZW_ReturnRouteAssignV2Frame;\
                                                                                                                                               ZW_ReturnRouteAssignCompleteV2Frame; \
                                                                                                                                               ZW ReturnRouteDeleteV2Frame;
                                                                                                                                               ZW_ReturnRouteDeleteCompleteV2Frame; \
ZW_RETURN_ROUTE_DELETE_COMPLETE_V2_FRAME
ZW_NODE_ADD_KEYS_REPORT_V2_FRAME
ZW_NODE_ADD_KEYS_SET_V2_FRAME
ZW_NODE_ADD_DSK_REPORT_V2_FRAME
ZW_NODE_ADD_DSK_SET_1BYTE_V2_FRAME
ZW_NODE_ADD_DSK_SET_3BYTE_V2_FRAME
ZW_NODE_ADD_DSK_SET_3BYTE_V2_FRAME
ZW_NODE_ADD_DSK_SET_3BYTE_V2_FRAME
ZW_NODE_ADD_DSK_SET_4BYTE_V2_FRAME
/* Command_class_Node_Naming_*/\
ZW_NODE_NAMING_NODE_LOCATION_REPORT_FRAME
ZW_NODE_NAMING_NODE_LOCATION_SET_FRAME
ZW_NODE_NAMING_NODE_LOCATION_GET_FRAME
ZW_NODE_NAMING_NODE_LOCATION_GET_FRAME
ZW_NODE_NAMING_NODE_NAME_GET_FRAME
ZW_NODE_NAMING_NODE_NAME_GET_FRAME
                                                                                                                                               ZW_NodeAddKeysReportV2Frame; \
                                                                                                                                               ZW_NodeAddKeysSetV2Frame;\
ZW_NodeAddDskReportV2Frame;\
                                                                                                                                               ZW NodeAddDskSet1byteV2Frame; \
                                                                                                                                               ZW_NodeAddDskSet2byteV2Frame; \
                                                                                                                                               ZW_NodeAddDskSet3byteV2Frame; \
                                                                                                                                               ZW_NodeAddDskSet4byteV2Frame; \
                                                                                                                                               ZW NodeNamingNodeLocationReportFrame; \
                                                                                                                                               ZW NodeNamingNodeLocationSetFrame;
                                                                                                                                               ZW NodeNamingNodeLocationGetFrame; \
     ZW_NODE_NAMING_NODE_NAME_GET_FRAME
                                                                                                                                               ZW_NodeNamingNodeNameGetFrame; \
 ZW_NODE_NAMING_NODE_NAME_REPORT_FRAME
ZW_NODE_NAMING_NODE_NAME_SET_FRAME
/* Command class_Powerlevel_*/\
                                                                                                                                               ZW_NodeNamingNodeNameReportFrame; \
                                                                                                                                               ZW NodeNamingNodeNameSetFrame;
     ZW_POWERLEVEL_GET_FRAME
                                                                                                                                               ZW PowerlevelGetFrame; \
ZW_POWERLEVEL_GET_FRAME
ZW_POWERLEVEL_REPORT_FRAME
ZW_POWERLEVEL_SET_FRAME
ZW_POWERLEVEL_TEST_NODE_GET_FRAME
ZW_POWERLEVEL_TEST_NODE_REPORT_FRAME
ZW_POWERLEVEL_TEST_NODE_SET_FRAME
/* Command class Prepayment Encapsulation */\
                                                                                                                                               ZW_PowerlevelReportFrame; \
                                                                                                                                               ZW_PowerlevelSetFrame; \
                                                                                                                                               ZW_PowerlevelTestNodeGetFrame;\
ZW_PowerlevelTestNodeReportFrame;\
                                                                                                                                               ZW PowerlevelTestNodeSetFrame;
    COMMEND CLASS Prepayment Encaps:
ZW_CMD_ENCAPSULATION_1BYTE_FRAME
ZW_CMD_ENCAPSULATION_2BYTE_FRAME
ZW_CMD_ENCAPSULATION_3BYTE_FRAME
ZW_CMD_ENCAPSULATION_4BYTE_FRAME
                                                                                                                                               ZW_CmdEncapsulation1byteFrame;
                                                                                                                                               ZW_CmdEncapsulation2byteFrame; \
                                                                                                                                               ZW_CmdEncapsulation3byteFrame;\
ZW_CmdEncapsulation4byteFrame;\
      Command class Prepayment */
```

```
ZW_PREPAYMENT_BALANCE_GET_FRAME
ZW_PREPAYMENT_SUPPORTED_GET_FRAME
ZW_PREPAYMENT_SUPPORTED_GET_FRAME
ZW_PREPAYMENT_SUPPORTED_REPORT_FRAME
/* Command class Proprietary */\

ZW_PROPRIETARY_GET_1BYTE_FRAME
ZW_PROPRIETARY_GET_3BYTE_FRAME
ZW_PROPRIETARY_GET_3BYTE_FRAME
ZW_PROPRIETARY_GET_4BYTE_FRAME
ZW_PROPRIETARY_REPORT_1BYTE_FRAME
ZW_PROPRIETARY_REPORT_3BYTE_FRAME
ZW_PROPRIETARY_REPORT_3BYTE_FRAME
ZW_PROPRIETARY_REPORT_3BYTE_FRAME
ZW_PROPRIETARY_SET_BYTE_FRAME
ZW_PROPRIETARY_SET_BYTE_FRAME
ZW_PROPRIETARY_SET_BYTE_FRAME
ZW_PROPRIETARY_SET_BYTE_FRAME
ZW_PROPRIETARY_SET_BYTE_FRAME
ZW_PROPRIETARY_SET_BYTE_FRAME
ZW_PROPRIETARY_SET_BYTE_FRAME
ZW_PROPRIETARY_SET_BYTE_FRAME
ZW_PROTECTION_GET_FRAME
ZW_PROTECTION_GET_FRAME
ZW_PROTECTION_REPORT_FRAME
      ZW PREPAYMENT BALANCE GET FRAME
                                                                                                                                                           ZW PrepaymentBalanceGetFrame;
                                                                                                                                                           ZW_PrepaymentBalanceReportFrame; \
                                                                                                                                                           ZW PrepaymentSupportedGetFrame; \
                                                                                                                                                           ZW PrepaymentSupportedReportFrame; \
                                                                                                                                                           ZW ProprietaryGet1byteFrame; \
                                                                                                                                                           ZW ProprietaryGet2byteFrame;
                                                                                                                                                           ZW_ProprietaryGet3byteFrame;
                                                                                                                                                          ZW_ProprietaryGet4byteFrame;\
ZW_ProprietaryReport1byteFrame;\
ZW_ProprietaryReport2byteFrame;\
ZW_ProprietaryReport3byteFrame;\
                                                                                                                                                           ZW ProprietaryReport4byteFrame; \
                                                                                                                                                           ZW_ProprietarySet1byteFrame; \
                                                                                                                                                          ZW_ProprietarySet2byteFrame;\
ZW_ProprietarySet3byteFrame;\
ZW_ProprietarySet4byteFrame;\
                                                                                                                                                           ZW_ProtectionGetFrame; \
ZW_PROTECTION_GET_FRAME
ZW_PROTECTION_REPORT_FRAME
ZW_PROTECTION_SET_FRAME
/* Command class Protection V2 */\
ZW_PROTECTION_EC_GET_V2_FRAME
ZW_PROTECTION_EC_SET_V2_FRAME
ZW_PROTECTION_EC_SET_V2_FRAME
ZW_PROTECTION_GET_V2_FRAME
ZW_PROTECTION_REPORT_V2_FRAME
ZW_PROTECTION_REPORT_V2_FRAME
ZW_PROTECTION_SUPPORTED_GET_V2_FRAME
ZW_PROTECTION_SUPPORTED_REPORT_V2_FRAME
ZW_PROTECTION_SUPPORTED_REPORT_V2_FRAME
                                                                                                                                                           ZW ProtectionReportFrame; \
                                                                                                                                                           ZW_ProtectionSetFrame; \
                                                                                                                                                           ZW ProtectionEcGetV2Frame; \
                                                                                                                                                           ZW ProtectionEcReportV2Frame; \
                                                                                                                                                           ZW ProtectionEcSetV2Frame;
                                                                                                                                                           ZW_ProtectionGetV2Frame; \
                                                                                                                                                          ZW_ProtectionReportV2Frame;\
ZW_ProtectionSetV2Frame;\
ZW_ProtectionSupportedGetV2Frame;\
ZW PROTECTION SUPPORTED GET V2 FRAME
ZW_PROTECTION_SUPPORTED_REPORT_V2 FRAME
ZW_PROTECTION_TIMEOUT_GET_V2 FRAME
ZW_PROTECTION_TIMEOUT_REPORT_V2 FRAME
ZW_PROTECTION_TIMEOUT_SET_V2 FRAME
/* Command class Rate Tbl Config */\
ZW_RATE_TBL_REMOVE_1BYTE_FRAME
ZW_RATE_TBL_REMOVE_2BYTE_FRAME
                                                                                                                                                           ZW_ProtectionSupportedReportV2Frame; \
                                                                                                                                                           ZW_ProtectionTimeoutGetV2Frame; \
                                                                                                                                                           ZW_ProtectionTimeoutReportV2Frame; \
                                                                                                                                                           ZW_ProtectionTimeoutSetV2Frame; \
                                                                                                                                                           ZW RateTblRemove1byteFrame; \
                                                                                                                                                           ZW RateTblRemove2byteFrame;
ZW_RATE_TBL_REMOVE_3BYTE_FRAME
ZW_RATE_TBL_REMOVE_4BYTE_FRAME
ZW_RATE_TBL_SET_1BYTE_FRAME
ZW_RATE_TBL_SET_2BYTE_FRAME
ZW_RATE_TBL_SET_3BYTE_FRAME
ZW_RATE_TBL_SET_3BYTE_FRAME
ZW_RATE_TBL_SET_4BYTE_FRAME
/* Command class Rate Tbl Monitor */\
ZW_RATE_TBL_ACTIVE_RATE_GET_FRAME
ZW_RATE_TBL_ACTIVE_RATE_REPORT_FRAME
ZW_RATE_TBL_CURRENT_DATA_REPORT_VG
ZW_RATE_TBL_CURRENT_DATA_REPORT_1BYTE_FRAME
ZW_RATE_TBL_CURRENT_DATA_REPORT_1BYTE_FRAME
ZW_RATE_TBL_CURRENT_DATA_REPORT_3BYTE_FRAME
ZW_RATE_TBL_CURRENT_DATA_REPORT_3BYTE_FRAME
ZW_RATE_TBL_CURRENT_DATA_REPORT_3BYTE_FRAME
ZW_RATE_TBL_CURRENT_DATA_REPORT_3BYTE_FRAME
ZW_RATE_TBL_CURRENT_DATA_REPORT_4BYTE_FRAME
ZW_RATE_TBL_CURRENT_DATA_REPORT_4BYTE_FRAME
ZW_RATE_TBL_CURRENT_DATA_REPORT_4BYTE_FRAME
ZW_RATE_TBL_CURRENT_DATA_REPORT_4BYTE_FRAME
ZW_RATE_TBL_GET_FRAME
      ZW_RATE_TBL_REMOVE_3BYTE_FRAME
                                                                                                                                                           ZW_RateTblRemove3byteFrame; \
                                                                                                                                                           ZW_RateTblRemove4byteFrame; \
                                                                                                                                                           ZW_RateTblSet1byteFrame; \
                                                                                                                                                           ZW_RateTblSet2byteFrame; \
                                                                                                                                                           ZW RateTblSet3byteFrame;
                                                                                                                                                           ZW_RateTblSet4byteFrame; \
                                                                                                                                                           ZW_RateTblActiveRateGetFrame; \
                                                                                                                                                           ZW_RateTblActiveRateReportFrame; \
ZW RateTblCurrentDataGetFrame; \
                                                                                                                                                           VG RateTblCurrentDataReportVGroup; \
                                                                                                                                                           ZW_RateTblCurrentDataReport1byteFrame; \
                                                                                                                                                           ZW_RateTblCurrentDataReport2byteFrame; \
                                                                                                                                                          ZW_RateTblCurrentDataReport3byteFrame; \
ZW_RateTblCurrentDataReport4byteFrame; \
     ZW RATE TBL GET_FRAME
ZW RATE TBL GET_FRAME
ZW RATE TBL HISTORICAL DATA GET_FRAME
VG RATE TBL HISTORICAL DATA REPORT VG
ZW RATE TBL HISTORICAL DATA REPORT 1BYTE FRAME
ZW RATE TBL HISTORICAL DATA REPORT 2BYTE FRAME
ZW RATE TBL HISTORICAL DATA REPORT 3BYTE FRAME
ZW RATE TBL HISTORICAL DATA REPORT 4BYTE FRAME
                                                                                                                                                           ZW RateTblGetFrame; \
                                                                                                                                                           ZW RateTblHistoricalDataGetFrame; \
                                                                                                                                                           VG_RateTblHistoricalDataReportVGroup;\
                                                                                                                                                           ZW_RateTblHistoricalDataReport1byteFrame; \
                                                                                                                                                           ZW_RateTblHistoricalDataReport2byteFrame;\
ZW_RateTblHistoricalDataReport3byteFrame;\
                                                                                                                                                           ZW RateTblHistoricalDataReport4byteFrame;
ZW_RATE_TBL_HISTORICAL_DATA_REPORT_4BYTE_FRAME
ZW_RATE_TBL_REPORT_1BYTE_FRAME
ZW_RATE_TBL_REPORT_2BYTE_FRAME
ZW_RATE_TBL_REPORT_3BYTE_FRAME
ZW_RATE_TBL_REPORT_4BYTE_FRAME
ZW_RATE_TBL_SUPPORTED_GET_FRAME
ZW_RATE_TBL_SUPPORTED_REPORT_FRAME
/* Command_class_Remote_Association_Activate_*/
ZW_RAME_TBACCOLATION_ACCOUNTS.
                                                                                                                                                           ZW_RateTblReport1byteFrame; \
                                                                                                                                                           ZW_RateTblReport2byteFrame;'
                                                                                                                                                           ZW_RateTblReport3byteFrame; \
                                                                                                                                                           ZW_RateTblReport4byteFrame;\
ZW_RateTblSupportedGetFrame;\
                                                                                                                                                           ZW RateTblSupportedReportFrame; \
     ZW_REMOTE_ASSOCIATION_ACTIVATE_FRAME
                                                                                                                                                           ZW_RemoteAssociationActivateFrame; \
/* Command class Remote Association */\
ZW_REMOTE_ASSOCIATION_CONFIGURATION_GET_FRAME
ZW_REMOTE_ASSOCIATION_CONFIGURATION_REPORT_FRAME
ZW_REMOTE_ASSOCIATION_CONFIGURATION_SET_FRAME
                                                                                                                                                           ZW RemoteAssociationConfigurationGetFrame; \
                                                                                                                                                           ZW RemoteAssociationConfigurationReportFrame; \
                                                                                                                                                           ZW RemoteAssociationConfigurationSetFrame; \
 /* Command class Scene Activation */
     ZW_SCENE_ACTIVATION_SET_FRAME
                                                                                                                                                           ZW SceneActivationSetFrame; \
ZW_SCENE_ACTIVATION_SEL_FRANE
/* Command class Scene Actuator Conf */\
ZW_SCENE_ACTUATOR CONF_GET_FRAME
ZW_SCENE_ACTUATOR_CONF_REPORT_FRAME
ZW_SCENE_ACTUATOR_CONF_SET_FRAME
/* Command class Scene Controller Conf */\
ZW_SCENE_COMMODILER_CONF_GET_FRAME
                                                                                                                                                           ZW SceneActuatorConfGetFrame; \
                                                                                                                                                           ZW SceneActuatorConfReportFrame; \
                                                                                                                                                           ZW SceneActuatorConfSetFrame;
     ZW_SCENE_CONTROLLER_CONF_GET_FRAME
ZW_SCENE_CONTROLLER_CONF_REPORT_FRAME
ZW_SCENE_CONTROLLER_CONF_SET_FRAME
                                                                                                                                                           ZW_SceneControllerConfGetFrame; \
                                                                                                                                                           ZW_SceneControllerConfReportFrame;\
ZW_SceneControllerConfSetFrame;\
      Command class Schedule Entry Lock */\
```

```
ZW SCHEDULE ENTRY LOCK ENABLE ALL SET FRAME
ZW SCHEDULE ENTRY LOCK ENABLE SET FRAME
ZW SCHEDULE ENTRY LOCK WEEK DAY GET FRAME
ZW SCHEDULE ENTRY LOCK WEEK DAY GET FRAME
ZW SCHEDULE ENTRY LOCK WEEK DAY SET FRAME
ZW SCHEDULE ENTRY LOCK YEAR DAY SET FRAME
ZW SCHEDULE ENTRY LOCK YEAR DAY SET FRAME
ZW SCHEDULE ENTRY LOCK YEAR DAY SET FRAME
ZW SCHEDULE ENTRY TYPE SUPPORTED GET FRAME
ZW SCHEDULE ENTRY TYPE SUPPORTED GET FRAME
ZW SCHEDULE ENTRY TYPE SUPPORTED REPORT FRAME
ZW SCHEDULE ENTRY LOCK ENABLE ALL SET V2 FRAME
ZW SCHEDULE ENTRY LOCK ENABLE SET V2 FRAME
ZW SCHEDULE ENTRY LOCK TIME OFFSET GET V2 FRAME
ZW SCHEDULE ENTRY LOCK TIME OFFSET REPORT V2 FRAME
ZW SCHEDULE ENTRY LOCK TIME OFFSET SET V2 FRAME
ZW SCHEDULE ENTRY LOCK TIME OFFSET SET V2 FRAME
ZW SCHEDULE ENTRY LOCK TIME OFFSET SET V2 FRAME
ZW SCHEDULE ENTRY LOCK WEEK DAY GET V2 FRAME
ZW SCHEDULE ENTRY LOCK WEEK DAY GET V2 FRAME
ZW SCHEDULE ENTRY LOCK WEEK DAY SET V2 FRAME
ZW SCHEDULE ENTRY LOCK YEAR DAY SET V2 FRAME
ZW SCHEDULE ENTRY LOCK YEAR DAY SET V2 FRAME
ZW SCHEDULE ENTRY LOCK YEAR DAY SET V2 FRAME
ZW SCHEDULE ENTRY LOCK YEAR DAY SET V2 FRAME
ZW SCHEDULE ENTRY LOCK YEAR DAY SET V2 FRAME
ZW SCHEDULE ENTRY LOCK YEAR DAY SET V2 FRAME
ZW SCHEDULE ENTRY LOCK YEAR DAY SET V2 FRAME
ZW SCHEDULE ENTRY LOCK YEAR DAY SET V2 FRAME
ZW SCHEDULE ENTRY LOCK YEAR DAY SET V2 FRAME
ZW SCHEDULE ENTRY TYPE SUPPORTED GET V2 FRAME
ZW SCHEDULE ENTRY LOCK WEAR DAY SET V2 FRAME
ZW SCHEDULE ENTRY LOCK WEAR DAY SET V2 FRAME
ZW SCHEDULE ENTRY LOCK YEAR DAY SET V2 FRAME
ZW SCHEDULE ENTRY LOCK YEAR DAY SET V2 FRAME
ZW SCHEDULE ENTRY LOCK YEAR DAY SET V2 FRAME
ZW SCHEDULE ENTRY LOCK WERE DAY SET V2 FRAME
ZW SCHEDULE ENTRY LOCK WEARLE ALL SET V3 FRAME
       ZW SCHEDULE ENTRY LOCK ENABLE ALL SET FRAME
                                                                                                                                                                           ZW ScheduleEntryLockEnableAllSetFrame; \
                                                                                                                                                                           ZW_ScheduleEntryLockEnableSetFrame; \
                                                                                                                                                                           ZW ScheduleEntryLockWeekDayGetFrame;
                                                                                                                                                                           ZW_ScheduleEntryLockWeekDayReportFrame; \
ZW_ScheduleEntryLockWeekDaySetFrame; \
                                                                                                                                                                           ZW ScheduleEntryLockYearDayGetFrame;
                                                                                                                                                                           ZW ScheduleEntryLockYearDayReportFrame; \
                                                                                                                                                                           ZW_ScheduleEntryLockYearDaySetFrame; \
                                                                                                                                                                           ZW_ScheduleEntryTypeSupportedGetFrame; \
                                                                                                                                                                           ZW ScheduleEntryTypeSupportedReportFrame; \
                                                                                                                                                                           ZW ScheduleEntryLockEnableAllSetV2Frame;
                                                                                                                                                                           ZW ScheduleEntryLockEnableSetV2Frame; \
                                                                                                                                                                           ZW_ScheduleEntryLockTimeOffsetGetV2Frame; \
                                                                                                                                                                           ZW_ScheduleEntryLockTimeOffsetReportV2Frame; \
                                                                                                                                                                           ZW_ScheduleEntryLockTimeOffsetSetV2Frame;\
ZW_ScheduleEntryLockWeekDayGetV2Frame;\
                                                                                                                                                                           ZW_ScheduleEntryLockWeekDayReportV2Frame;
                                                                                                                                                                           ZW_ScheduleEntryLockWeekDaySetV2Frame; \
                                                                                                                                                                           ZW_ScheduleEntryLockYearDayGetV2Frame; \
                                                                                                                                                                           ZW_ScheduleEntryLockYearDayReportV2Frame;\
ZW_ScheduleEntryLockYearDaySetV2Frame;\
                                                                                                                                                                           ZW_ScheduleEntryTypeSupportedGetV2Frame; \
ZW SCHEDULE ENTRY TYPE SUPPORTED REPORT V2 FRAME

/* Command class Schedule Entry Lock V3 */
ZW SCHEDULE ENTRY LOCK ENABLE ALL SET V3 FRAME

ZW SCHEDULE ENTRY LOCK ENABLE SET V3 FRAME

ZW SCHEDULE ENTRY LOCK TIME OFFSET GET V3 FRAME

ZW SCHEDULE ENTRY LOCK TIME OFFSET REPORT V3 FRAME

ZW SCHEDULE ENTRY LOCK TIME OFFSET SET V3 FRAME

ZW SCHEDULE ENTRY LOCK WEEK DAY GET V3 FRAME

ZW SCHEDULE ENTRY LOCK WEEK DAY REPORT V3 FRAME

ZW SCHEDULE ENTRY LOCK WEEK DAY REPORT V3 FRAME

ZW SCHEDULE ENTRY LOCK WEEK DAY REPORT V3 FRAME

ZW SCHEDULE ENTRY LOCK YEAR DAY GET V3 FRAME

ZW SCHEDULE ENTRY LOCK YEAR DAY GET V3 FRAME

ZW SCHEDULE ENTRY LOCK YEAR DAY GET V3 FRAME

ZW SCHEDULE ENTRY TYPE SUPPORTED GET V3 FRAME

ZW SCHEDULE ENTRY TYPE SUPPORTED GET V3 FRAME

ZW SCHEDULE ENTRY TYPE SUPPORTED REPORT V3 FRAME

ZW SCHEDULE ENTRY TYPE SUPPORTED REPORT V3 FRAME

ZW SCHEDULE ENTRY LOCK DAILY REPEATING GET V3 FRAME

ZW SCHEDULE ENTRY LOCK DAILY REPEATING SET V3 FRAME

ZW SCHEDULE ENTRY LOCK DAILY REPEATING SET V3 FRAME

ZW SCHEDULE ENTRY LOCK DAILY REPEATING SET V3 FRAME

ZW SCHEDULE ENTRY LOCK DAILY REPEATING SET V3 FRAME

ZW SCHEDULE ENTRY LOCK DAILY REPEATING SET V3 FRAME

ZW SCHEDULE ENTRY LOCK DAILY REPEATING SET V3 FRAME

ZW SCHEDULE ENTRY LOCK DAILY REPEATING SET V3 FRAME

ZW SCHEDULE ENTRY LOCK DAILY REPEATING SET V3 FRAME
                                                                                                                                                                           ZW ScheduleEntryTypeSupportedReportV2Frame; \
                                                                                                                                                                           ZW_ScheduleEntryLockEnableAllSetV3Frame;
                                                                                                                                                                          ZW_ScheduleEntryLockEnableSetV3Frame;\
ZW_ScheduleEntryLockTimeOffsetGetV3Frame;\
                                                                                                                                                                           ZW ScheduleEntryLockTimeOffsetReportV3Frame; \
                                                                                                                                                                           ZW_ScheduleEntryLockTimeOffsetSetV3Frame; \
                                                                                                                                                                           ZW_ScheduleEntryLockWeekDayGetV3Frame; \
                                                                                                                                                                           ZW_ScheduleEntryLockWeekDayReportV3Frame; \

                                                                                                                                                                           ZW_ScheduleEntryLockWeekDaySetV3Frame; \
ZW_ScheduleEntryLockYearDayGetV3Frame; \
                                                                                                                                                                           ZW ScheduleEntryLockYearDayReportV3Frame; \
                                                                                                                                                                           ZW ScheduleEntryLockYearDaySetV3Frame;
                                                                                                                                                                           ZW_ScheduleEntryTypeSupportedGetV3Frame; \
                                                                                                                                                                           ZW_ScheduleEntryTypeSupportedReportV3Frame; \
                                                                                                                                                                           ZW_ScheduleEntryLockDailyRepeatingGetV3Frame; \
                                                                                                                                                                           ZW_ScheduleEntryLockDailyRepeatingReportV3Frame;\
ZW_ScheduleEntryLockDailyRepeatingSetV3Frame;\
  /* Command class Screen Attributes */\
      ZW_SCREEN_ATTRIBUTES_GET_FRAME
ZW_SCREEN_ATTRIBUTES_REPORT_FRAME
                                                                                                                                                                           ZW ScreenAttributesGetFrame; \
                                                                                                                                                                           ZW ScreenAttributesReportFrame; \
 /* Command class Screen Attributes V2 */\
ZW_SCREEN_ATTRIBUTES_GET_V2_FRAME
                                                                                                                                                                           ZW ScreenAttributesGetV2Frame; \
 ZW_SCREEN_ATTRIBUTES_REPORT_V2_FRAME
/* Command class Screen Md */\
                                                                                                                                                                           ZW ScreenAttributesReportV2Frame; \
/* Command class Screen Md */\
ZW_SCREEN_MD_GET_FRAME
VG_SCREEN_MD_REPORT_1BYTE_VG
VG_SCREEN_MD_REPORT_2BYTE_VG
VG_SCREEN_MD_REPORT_3BYTE_VG
VG_SCREEN_MD_REPORT_1BYTE_FRAME
ZW_SCREEN_MD_REPORT_1BYTE_FRAME
ZW_SCREEN_MD_REPORT_2BYTE_FRAME
ZW_SCREEN_MD_REPORT_3BYTE_FRAME
ZW_SCREEN_MD_REPORT_4BYTE_FRAME
ZW_SCREEN_MD_REPORT_4BYTE_FRAME
ZW_SCREEN_MD_REPORT_4BYTE_FRAME
ZW_SCREEN_MD_REPORT_4BYTE_FRAME
ZW_SCREEN_MD_REPORT_4BYTE_FRAME
ZW_SCREEN_MD_REPORT_4BYTE_FRAME
ZW_SCREEN_MD_REPORT_4BYTE_FRAME
ZW_SCREEN_MD_GET_V2_FRAME
                                                                                                                                                                           ZW_ScreenMdGetFrame; \
                                                                                                                                                                          VG_ScreenMdReport1byteVGroup; \
VG_ScreenMdReport2byteVGroup; \
                                                                                                                                                                           VG_ScreenMdReport3byteVGroup; \
                                                                                                                                                                           VG ScreenMdReport4byteVGroup; \
                                                                                                                                                                           ZW_ScreenMdReport1byteFrame; \
                                                                                                                                                                           ZW_ScreenMdReport2byteFrame; \
                                                                                                                                                                           ZW_ScreenMdReport3byteFrame; \
                                                                                                                                                                           ZW ScreenMdReport4byteFrame; \
/* Command class Screen Md V2 */\
ZW SCREEN MD GET V2 FRAME
VG SCREEN MD REPORT 1BYTE V2 VG
VG SCREEN MD REPORT 2BYTE V2 VG
VG SCREEN MD REPORT 3BYTE V2 VG
VG SCREEN MD REPORT 4BYTE V2 VG
ZW SCREEN MD REPORT 1BYTE V2 FRAME
ZW SCREEN MD REPORT 2BYTE V2 FRAME
ZW SCREEN MD REPORT 3BYTE V2 FRAME
ZW SCREEN MD REPORT 3BYTE V2 FRAME
ZW SCREEN MD REPORT 4BYTE V2 FRAME
ZW SCREEN MD REPORT 4BYTE V2 FRAME
ZW SCREEN MD REPORT 4BYTE V2 FRAME
ZW SCREEN MD REPORT FRAME
ZW SCURITY PANEL MODE GET FRAME
ZW SCURITY PANEL MODE REPORT FRAME
                                                                                                                                                                           ZW_ScreenMdGetV2Frame; \
                                                                                                                                                                           VG_ScreenMdReport1byteV2VGroup;\
                                                                                                                                                                          VG_ScreenMdReport2byteV2VGroup;\
VG_ScreenMdReport3byteV2VGroup;\
VG_ScreenMdReport4byteV2VGroup;\
ZW_ScreenMdReport1byteV2Frame;\
                                                                                                                                                                           ZW ScreenMdReport2byteV2Frame;
                                                                                                                                                                           ZW_ScreenMdReport3byteV2Frame; \
                                                                                                                                                                           ZW_ScreenMdReport4byteV2Frame; \
                                                                                                                                                                           ZW SecurityPanelModeGetFrame; \
       ZW SECURITY PANEL MODE REPORT FRAME
                                                                                                                                                                           ZW SecurityPanelModeReportFrame; \
 ZW_SECURITY_PANEL_MODE_SET_FRAME
ZW_SECURITY_PANEL_MODE_SUPPORTED_GET_FRAME
ZW_SECURITY_PANEL_MODE_SUPPORTED_REPORT_FRAME
/* Command class Security_Panel_Zone_Sensor_*/\
ZW_SECURITY_PANEL_ZONE_SENSOR_INSTALLED_REPORT_FRAME
                                                                                                                                                                           ZW_SecurityPanelModeSetFrame; \
                                                                                                                                                                           ZW SecurityPanelModeSupportedGetFrame; \
                                                                                                                                                                           ZW_SecurityPanelModeSupportedReportFrame; \
 ZW CommandClassSecurityPanelZoneSensorInstalledReportFrame;
       ZW_SECURITY_PANEL_ZONE_SENSOR_TYPE_GET_FRAME
                                                                                                                                                                           ZW_SecurityPanelZoneSensorTypeGetFrame;
      ZW SECURITY PANEL ZONE SENSOR TYPE REPORT FRAME
ZW SECURITY PANEL ZONE SENSOR INSTALLED GET FRAME
ZW SECURITY PANEL ZONE SENSOR STATE GET FRAME
ZW SECURITY PANEL ZONE SENSOR STATE REPORT FRAME
                                                                                                                                                                           ZW_SecurityPanelZoneSensorTypeReportFrame; \
                                                                                                                                                                           ZW_SecurityPanelZoneSensorInstalledGetFrame;\
ZW_SecurityPanelZoneSensorStateGetFrame;\
                                                                                                                                                                           ZW SecurityPanelZoneSensorStateReportFrame; \
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/* Command class Security Panel Zone */
    * Command class Security Panel Zone */\
ZW_SECURITY_PANEL_ZONE_NUMBER_SUPPORTED_GET_FRAME
ZW_SECURITY_PANEL_ZONE_STATE_GET_FRAME
ZW_SECURITY_PANEL_ZONE_STATE_REPORT_FRAME
ZW_SECURITY_PANEL_ZONE_SUPPORTED_REPORT_FRAME
ZW_SECURITY_PANEL_ZONE_TYPE_GET_FRAME
ZW_SECURITY_PANEL_ZONE_TYPE_REPORT_FRAME
                                                                                                                                                                   ZW_SecurityPanelZoneNumberSupportedGetFrame; \
                                                                                                                                                                   ZW SecurityPanelZoneStateGetFrame; \
                                                                                                                                                                  ZW_SecurityPanelZoneStateReportFrame;\
ZW_SecurityPanelZoneSupportedReportFrame;\
ZW_SecurityPanelZoneTypeGetFrame;\
ZW_SECURITY_PANEL_ZONE_TYPE_REPORT_FRAME

/* Command class Security */\
ZW_NETWORK_KEY_SET_1BYTE_FRAME
ZW_NETWORK_KEY_SET_2BYTE_FRAME
ZW_NETWORK_KEY_SET_3BYTE_FRAME
ZW_NETWORK_KEY_SET_4BYTE_FRAME
ZW_NETWORK_KEY_SET_4BYTE_FRAME
ZW_NETWORK_KEY_VERIFY_FRAME
ZW_SECURITY_COMMANDS_SUPPORTED_GET_FRAME
ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_1BYTE_FRAME
ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_2BYTE_FRAME
ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_3BYTE_FRAME
ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_3BYTE_FRAME
ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_4BYTE_FRAME
ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_4BYTE_FRAME
                                                                                                                                                                   ZW SecurityPanelZoneTypeReportFrame; \
                                                                                                                                                                   ZW_NetworkKeySet1byteFrame; \
                                                                                                                                                                  ZW_NetworkKeySet2byteFrame; \
                                                                                                                                                                   ZW_NetworkKeySet3byteFrame; \
                                                                                                                                                                   ZW NetworkKeySet4byteFrame; \
                                                                                                                                                                   ZW NetworkKeyVerifyFrame; \
                                                                                                                                                                   ZW_SecurityCommandsSupportedGetFrame; \
                                                                                                                                                                  ZW_SecurityCommandsSupportedReport1byteFrame;\
ZW_SecurityCommandsSupportedReport2byteFrame;\
ZW_SecurityCommandsSupportedReport3byteFrame;\
     ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_4BYTE_FRAME
ZW_SECURITY_MESSAGE_ENCAPSULATION_1BYTE_FRAME
                                                                                                                                                                   ZW_SecurityCommandsSupportedReport4byteFrame;
                                                                                                                                                                   ZW_SecurityMessageEncapsulation1byteFrame; \
      ZW_SECURITY_MESSAGE_ENCAPSULATION_2BYTE_FRAME
                                                                                                                                                                   ZW_SecurityMessageEncapsulation2byteFrame; \
     ZW_SECURITY_MESSAGE_ENCAPSULATION_SBYTE_FRAME
ZW_SECURITY_MESSAGE_ENCAPSULATION_4BYTE_FRAME
ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_1BYTE_FRAME
ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_2BYTE_FRAME
                                                                                                                                                                  ZW_SecurityMessageEncapsulation3byteFrame;\
ZW_SecurityMessageEncapsulation4byteFrame;\
                                                                                                                                                                   ZW SecurityMessageEncapsulationNonceGet1byteFrame; \
                                                                                                                                                                   ZW SecurityMessageEncapsulationNonceGet2byteFrame;
     ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_3BYTE_FRAME
ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_3BYTE_FRAME
ZW_SECURITY_NONCE_GET_FRAME
ZW_SECURITY_NONCE_GET_FRAME
ZW_SECURITY_SCHEME_GET_FRAME
                                                                                                                                                                   ZW SecurityMessageEncapsulationNonceGet3byteFrame; \
                                                                                                                                                                   ZW_SecurityMessageEncapsulationNonceGet4byteFrame; \
                                                                                                                                                                  ZW_SecurityNonceGetFrame;\
ZW_SecurityNonceReportFrame;\
ZW_SecuritySchemeGetFrame;\
     ZW_SECURITY_SCHEME_INHERIT_FRAME
ZW_SECURITY_SCHEME_REPORT_FRAME
                                                                                                                                                                   ZW_SecuritySchemeInheritFrame; \
                                                                                                                                                                   ZW SecuritySchemeReportFrame; \
 /* Command class Sensor Alarm */\
     ZW_SENSOR_ALARM_GET_FRAME
ZW_SENSOR_ALARM_REPORT_FRAME
ZW_SENSOR_ALARM_SUPPORTED_GET_FRAME
ZW_SENSOR_ALARM_SUPPORTED_REPORT_1BYTE_FRAME
ZW_SENSOR_ALARM_SUPPORTED_REPORT_2BYTE_FRAME
                                                                                                                                                                  ZW_SensorAlarmGetFrame;\
ZW_SensorAlarmReportFrame;\
                                                                                                                                                                   ZW SensorAlarmSupportedGetFrame; \
                                                                                                                                                                   ZW SensorAlarmSupportedReport1byteFrame;
                                                                                                                                                                   ZW_SensorAlarmSupportedReport2byteFrame; \
ZW_SENSOR_ALARM_SUPPORTED_REPORT_3BYTE_FRAME
ZW_SENSOR_ALARM_SUPPORTED_REPORT_4BYTE_FRAME
/* Command class Sensor Binary */\
ZW_SENSOR_BINARY_GET_FRAME
ZW_SENSOR_BINARY_REPORT_FRAME
                                                                                                                                                                   ZW_SensorAlarmSupportedReport3byteFrame; \
                                                                                                                                                                   ZW SensorAlarmSupportedReport4byteFrame; \
                                                                                                                                                                   ZW SensorBinaryGetFrame; \
ZW_SENSOR_BINARY_GET_FRAME

ZW_SENSOR_BINARY_REPORT_FRAME

/* Command class Sensor Binary V2 */\
ZW_SENSOR_BINARY_GET_V2_FRAME

ZW_SENSOR_BINARY_REPORT_V2_FRAME

ZW_SENSOR_BINARY_SUPPORTED_GET_SENSOR_V2_FRAME

ZW_SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_1BYTE_V2_FRAME

ZW_SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_2BYTE_V2_FRAME

ZW_SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_3BYTE_V2_FRAME

ZW_SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_4BYTE_V2_FRAME

/* Command_class_Sensor_Configuration */\

ZW_SENSOR_TRIGGER_LEVEL_GET_FRAME

ZW_SENSOR_TRIGGER_LEVEL_REPORT_1BYTE_FRAME

ZW_SENSOR_TRIGGER_LEVEL_REPORT_2BYTE_FRAME

ZW_SENSOR_TRIGGER_LEVEL_REPORT_3BYTE_FRAME

ZW_SENSOR_TRIGGER_LEVEL_REPORT_4BYTE_FRAME

ZW_SENSOR_TRIGGER_LEVEL_SET_1BYTE_FRAME

ZW_SENSOR_TRIGGER_LEVEL_SET_1BYTE_FRAME

ZW_SENSOR_TRIGGER_LEVEL_SET_1BYTE_FRAME

ZW_SENSOR_TRIGGER_LEVEL_SET_3BYTE_FRAME

ZW_SENSOR_TRIGGER_LEVEL_SET_3BYTE_FRAME
                                                                                                                                                                   ZW_SensorBinaryReportFrame; \
                                                                                                                                                                   ZW_SensorBinaryGetV2Frame;\
                                                                                                                                                                   ZW_SensorBinaryReportV2Frame; \
                                                                                                                                                                   ZW_SensorBinarySupportedGetSensorV2Frame; \
                                                                                                                                                                   ZW SensorBinarySupportedSensorReport1byteV2Frame; \
                                                                                                                                                                   ZW_SensorBinarySupportedSensorReport2byteV2Frame;
                                                                                                                                                                  ZW_SensorBinarySupportedSensorReport3byteV2Frame;\
ZW_SensorBinarySupportedSensorReport4byteV2Frame;\
                                                                                                                                                                   ZW SensorTriggerLevelGetFrame; \
                                                                                                                                                                   ZW SensorTriggerLevelReport1byteFrame;
                                                                                                                                                                   ZW SensorTriggerLevelReport2byteFrame;
                                                                                                                                                                   ZW_SensorTriggerLevelReport3byteFrame; \
                                                                                                                                                                  ZW_SensorTriggerLevelReport4byteFrame;\
ZW_SensorTriggerLevelSet1byteFrame;\
                                                                                                                                                                   ZW SensorTriggerLevelSet2byteFrame;
                                                                                                                                                                   ZW_SensorTriggerLevelSet3byteFrame; \
                                                                                                                                                                   ZW SensorTriggerLevelSet4byteFrame; \
ZW SENSOR TRIGGER LEVEL SET 4BYTE FRAME

/* Command class Sensor Multilevel */\
ZW SENSOR MULTILEVEL GET FRAME

ZW SENSOR MULTILEVEL REPORT 1BYTE FRAME

ZW SENSOR MULTILEVEL REPORT 3BYTE FRAME

ZW SENSOR MULTILEVEL REPORT 4BYTE FRAME
                                                                                                                                                                   ZW SensorMultilevelGetFrame; \
                                                                                                                                                                  ZW_SensorMultilevelReport1byteFrame;\
ZW_SensorMultilevelReport2byteFrame;\
                                                                                                                                                                   ZW SensorMultilevelReport3byteFrame;
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_FRAME

/* Command class Sensor Multilevel V2 */\
ZW_SENSOR_MULTILEVEL_GET_V2_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V2_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V2_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V2_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V2_FRAME
/* Command class Sensor_Multilevel_V3 */\
ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V3_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V3_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V3_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V3_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V3_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V3_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V3_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V4_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V4_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V4_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V4_FRAME
                                                                                                                                                                   ZW_SensorMultilevelReport4byteFrame; \
                                                                                                                                                                   ZW SensorMultilevelGetV2Frame; \
                                                                                                                                                                   ZW SensorMultilevelReport1byteV2Frame; \
                                                                                                                                                                   ZW SensorMultilevelReport2byteV2Frame;
                                                                                                                                                                   ZW_SensorMultilevelReport3byteV2Frame; \
                                                                                                                                                                   ZW SensorMultilevelReport4byteV2Frame; \
                                                                                                                                                                   ZW SensorMultilevelGetV3Frame; \
                                                                                                                                                                  ZW SensorMultilevelReport1byteV3Frame; \
                                                                                                                                                                   ZW SensorMultilevelReport2byteV3Frame;
                                                                                                                                                                   ZW_SensorMultilevelReport3byteV3Frame;
                                                                                                                                                                   ZW_SensorMultilevelReport4byteV3Frame; \
                                                                                                                                                                   ZW_SensorMultilevelGetV4Frame; \
                                                                                                                                                                   ZW SensorMultilevelReport1byteV4Frame;\
```

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ZW SENSOR MULTILEVEL REPORT 2BYTE V4 FRAME
                                                                                                                      ZW SensorMultilevelReport2byteV4Frame; \
    ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V4_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V4_FRAME
                                                                                                                      ZW_SensorMultilevelReport3byteV4Frame; \
                                                                                                                      ZW SensorMultilevelReport4byteV4Frame; \
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V4_FRAME
/* Command class Sensor_Multilevel V5 */\
ZW_SENSOR_MULTILEVEL_GET_V5_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V5_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V5_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V5_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V5_FRAME
                                                                                                                      ZW SensorMultilevelGetV5Frame;
                                                                                                                      ZW SensorMultilevelReport1byteV5Frame;\
                                                                                                                      ZW SensorMultilevelReport2byteV5Frame; \
                                                                                                                      ZW_SensorMultilevelReport3byteV5Frame;
                                                                                                                      ZW_SensorMultilevelReport4byteV5Frame; \
#define ZW_FRAME_COLLECTION_MACRO3\
    ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V5_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V5_FRAME
                                                                                                                      ZW SensorMultilevelSupportedGetSensorV5Frame; \
ZW_SensorMultilevelSupportedSensorReport1byteV5Frame;
    ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V5_FRAME
ZW_SensorMultilevelSupportedSensorReport2byteV5Frame;\
ZW SENSOR MULTILEVEL SUPPORTED SENSOR REPORT 3BYTE V5 FRAME
ZW_SensorMultilevelSupportedSensorReport3byteV5Frame;
    ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_4BYTE_V5_FRAME
ZW_SensorMultilevelSupportedSensorReport4byteV5Frame;
ZW_SENSORMULTILEVEL_SUPPORTED_GET_SCALE_V5_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V5_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V5_FRAME
/* Command_class_Sensor_Multilevel_V6 */\
ZW_SENSOR_MULTILEVEL_GET_V6_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V6_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V6_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V6_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V6_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_BYTE_V6_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V6_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V6_
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V6_
                                                                                                                      ZW_SensorMultilevelSupportedGetScaleV5Frame; \
                                                                                                                      ZW SensorMultilevelSupportedScaleReportV5Frame; \
                                                                                                                      ZW SensorMultilevelGetV6Frame; \
                                                                                                                      ZW SensorMultilevelReport1byteV6Frame; \
                                                                                                                      ZW_SensorMultilevelReport2byteV6Frame; \]
                                                                                                                      ZW_SensorMultilevelReport3byteV6Frame; \
                                                                                                                      ZW_SensorMultilevelReport4byteV6Frame;\
ZW_SensorMultilevelSupportedGetSensorV6Frame;\
    ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V6_FRAME
ZW_SensorMultilevelSupportedSensorReport1byteV6Frame; \
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V6_FRAME
ZW_SensorMultilevelSupportedSensorReport2byteV6Frame;\
   ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V6_FRAME
ZW_SensorMultilevelSupportedSensorReport3byteV6Frame;\
    ZW SENSOR MULTILEVEL SUPPORTED SENSOR REPORT 4BYTE V6 FRAME
ZW_SensorMultilevelSupportedSensorReport4byteV6Frame;
ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V6_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V6_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V6_FRAME
/* Command class Sensor Multilevel v7 */\
ZW_SENSOR_MULTILEVEL_GET_V7_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V7_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_ZBYTE_V7_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V7_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V7_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V7_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V7_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V7_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V7_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V7_FRAME
                                                                                                                      ZW_SensorMultilevelSupportedGetScaleV6Frame; \
                                                                                                                      ZW SensorMultilevelSupportedScaleReportV6Frame; \
                                                                                                                      ZW SensorMultilevelGetV7Frame; \
                                                                                                                      ZW_SensorMultilevelReport1byteV7Frame; \
                                                                                                                      ZW SensorMultilevelReport2byteV7Frame;
                                                                                                                      ZW_SensorMultilevelReport3byteV7Frame; \
                                                                                                                      ZW_SensorMultilevelReport4byteV7Frame;\
ZW_SensorMultilevelSupportedGetSensorV7Frame;\
ZW_SensorMultilevelSupportedSensorReport1byteV7Frame;
    ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V7_FRAME
ZW_SensorMultilevelSupportedSensorReport2byteV7Frame;\
   ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V7_FRAME
ZW_SensorMultilevelSupportedSensorReport3byteV7Frame;
    ZW SENSOR MULTILEVEL SUPPORTED SENSOR REPORT 4BYTE V7 FRAME
ZW_SensorMultilevelSupportedSensorReport4byteV7Frame;
    ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V7_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V7_FRAME
                                                                                                                      ZW_SensorMultilevelSupportedGetScaleV7Frame; \
                                                                                                                      ZW SensorMultilevelSupportedScaleReportV7Frame; \
 /* Command class Sensor Multilevel V8
ZW_SENSOR_MULTILEVEL_GET_V8_FRAME
                                                                                                                      ZW SensorMultilevelGetV8Frame; \
ZW SENSOR MULTILEVEL GET V8 FRAME
ZW SENSOR MULTILEVEL REPORT 1BYTE V8 FRAME
ZW SENSOR MULTILEVEL REPORT 2BYTE V8 FRAME
ZW SENSOR MULTILEVEL REPORT 3BYTE V8 FRAME
ZW SENSOR MULTILEVEL REPORT 4BYTE V8 FRAME
ZW SENSOR MULTILEVEL SUPPORTED GET SENSOR V8 FRAME
ZW SENSOR MULTILEVEL SUPPORTED SENSOR REPORT 1BYTE V8 FRAME
ZW SENSOR MULTILEVEL SUPPORTED SENSOR REPORT 1BYTE V8 FRAME
ZW SENSORMULTILEVEL SUPPORTED SENSOR REPORT 1BYTE V8 FRAME
                                                                                                                      ZW_SensorMultilevelReport1byteV8Frame; \
                                                                                                                      ZW_SensorMultilevelReport2byteV8Frame; \
                                                                                                                      ZW_SensorMultilevelReport3byteV8Frame; \
                                                                                                                      ZW_SensorMultilevelReport4byteV8Frame; \

                                                                                                                      ZW SensorMultilevelSupportedGetSensorV8Frame; \
    ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V8_FRAME
ZW_SensorMultilevelSupportedSensorReport2byteV8Frame;\
   ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V8_FRAME
ZW_SensorMultilevelSupportedSensorReport3byteV8Frame;
    ZW SENSOR MULTILEVEL SUPPORTED SENSOR REPORT 4BYTE V8 FRAME
ZW_SensorMultilevelSupportedSensorReport4byteV8Frame; \
ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V8_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V8_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V8_FRAME
/* Command class Sensor Multilevel v9 */\
ZW_SENSOR_MULTILEVEL_GET_V9_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V9_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V9_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V9_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V9_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V9_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V9_FRAME
                                                                                                                      ZW SensorMultilevelSupportedGetScaleV8Frame; \
                                                                                                                      ZW SensorMultilevelGetV9Frame; \
                                                                                                                      ZW SensorMultilevelReport1byteV9Frame; \
                                                                                                                      ZW_SensorMultilevelReport2byteV9Frame;
                                                                                                                      ZW_SensorMultilevelReport3byteV9Frame; \
                                                                                                                      ZW_SensorMultilevelReport4byteV9Frame;\
ZW_SensorMultilevelSupportedGetSensorV9Frame;\
```

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ZW SENSOR MULTILEVEL SUPPORTED SENSOR REPORT 1BYTE V9 FRAME
ZW_SensorMultilevelSupportedSensorReport1byteV9Frame;
     ZW SENSOR MULTILEVEL SUPPORTED SENSOR REPORT 2BYTE V9 FRAME
ZW_SensorMultilevelSupportedSensorReport2byteV9Frame;\
   ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V9_FRAME
ZW_SensorMultilevelSupportedSensorReport3byteV9Frame;\
     ZW SENSOR MULTILEVEL SUPPORTED SENSOR REPORT 4BYTE V9 FRAME
ZW_SensorMultilevelSupportedSensorReport4byteV9Frame;
ZW_SensorMultilevelSupportedSensorReport4byteV9Frame;\
ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V9_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V9_FRAME
/* Command class Sensor Multilevel V10 */\
ZW_SENSOR_MULTILEVEL_GET_V10_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V10_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V10_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V10_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V10_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V10_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V10_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V10_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V10_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_BYTE_V10_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_BYTE_V10_FRAME
                                                                                                                                        ZW_SensorMultilevelSupportedGetScaleV9Frame; \
                                                                                                                                        ZW SensorMultilevelSupportedScaleReportV9Frame; \
                                                                                                                                        ZW SensorMultilevelGetV10Frame; \
                                                                                                                                        ZW SensorMultilevelReport1byteV10Frame; \
                                                                                                                                        ZW_SensorMultilevelReport2byteV10Frame;
                                                                                                                                        ZW_SensorMultilevelReport3byteV10Frame; \
                                                                                                                                        ZW_SensorMultilevelReport4byteV10Frame;\
ZW_SensorMultilevelSupportedGetSensorV10Frame;\
     ZW SENSOR MULTILEVEL SUPPORTED SENSOR REPORT 2BYTE V10 FRAME
ZW_SensorMultilevelSupportedSensorReport2byteV10Frame; \
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V10_FRAME
ZW_SensorMultilevelSupportedSensorReport3byteV10Frame;\
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_4BYTE_V10_FRAME
 ZW SensorMultilevelSupportedSensorReport4byteV10Frame; \
ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V10_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V10_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V10_FRAME
/* Command class Silence Alarm */\
ZW_SENSOR_ALARM_SET_1BYTE_FRAME
ZW_SENSOR_ALARM_SET_2BYTE_FRAME
ZW_SENSOR_ALARM_SET_3BYTE_FRAME
ZW_SENSOR_ALARM_SET_4BYTE_FRAME
ZW_SENSOR_ALARM_SET_4BYTE_FRAME
ZW_SENSOR_ALARM_SET_4BYTE_FRAME
/* Command_class_Simple_AW_Control_*/\)
                                                                                                                                        ZW_SensorMultilevelSupportedGetScaleV10Frame; \
                                                                                                                                        ZW_SensorMultilevelSupportedScaleReportV10Frame; \
                                                                                                                                        ZW SensorAlarmSet1byteFrame; \
                                                                                                                                        ZW_SensorAlarmSet2byteFrame;
                                                                                                                                        ZW_SensorAlarmSet3byteFrame;
                                                                                                                                        ZW SensorAlarmSet4byteFrame; \
/* Command class Simple Av Control */\
ZW_SIMPLE_AV_CONTROL_GET_FRAME
ZW_SIMPLE_AV_CONTROL_REPORT_FRAME
VG_SIMPLE_AV_CONTROL_SET_VG
                                                                                                                                        ZW SimpleAvControlGetFrame; \
                                                                                                                                        ZW SimpleAvControlReportFrame; \
                                                                                                                                        VG SimpleAvControlSetVGroup; \
     ZW_SIMPLE_AV_CONTROL_SET_1BYTE_FRAME
                                                                                                                                        ZW_SimpleAvControlSet1byteFrame; \
ZW_SIMPLE_AV_CONTROL_SET_1BYTE_FRAME
ZW_SIMPLE_AV_CONTROL_SET_2BYTE_FRAME
ZW_SIMPLE_AV_CONTROL_SET_3BYTE_FRAME
ZW_SIMPLE_AV_CONTROL_SET_4BYTE_FRAME
ZW_SIMPLE_AV_CONTROL_SUPPORTED_GET_FRAME
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_1BYTE_FRAME
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_2BYTE_FRAME
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_3BYTE_FRAME
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_4BYTE_FRAME
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_4BYTE_FRAME
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_4BYTE_FRAME
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_ABYTE_FRAME
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_ABYTE_FRAME
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_ABYTE_FRAME
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_ABYTE_FRAME
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_ABYTE_FRAME
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_ABYTE_FRAME
                                                                                                                                        ZW_SimpleAvControlSet2byteFrame; \
                                                                                                                                        ZW_SimpleAvControlSet3byteFrame; \
                                                                                                                                        ZW_SimpleAvControlSet4byteFrame; \
ZW_SimpleAvControlSupportedGetFrame; \
                                                                                                                                        ZW_SimpleAvControlSupportedReport1byteFrame; \
                                                                                                                                        ZW_SimpleAvControlSupportedReport2byteFrame; \
                                                                                                                                        ZW_SimpleAvControlSupportedReport3byteFrame; \
                                                                                                                                        ZW_SimpleAvControlSupportedReport4byteFrame; \
    ZW_SWITCH_ALL_GET_FRAME
ZW_SWITCH_ALL_OFF_FRAME
                                                                                                                                        ZW SwitchAllGetFrame; \
                                                                                                                                        ZW_SwitchAllOffFrame; \
ZW_SWITCH_ALL_ON_FRAME
ZW_SWITCH_ALL_REPORT_FRAME
ZW_SWITCH_ALL_SET_FRAME
/* Command class Switch Binary */\
                                                                                                                                        ZW_SwitchAllOnFrame; \
                                                                                                                                        ZW_SwitchAllReportFrame; \
                                                                                                                                        ZW SwitchAllSetFrame;
    ZW_SWITCH_BINARY_GET_FRAME
ZW_SWITCH_BINARY_REPORT_FRAME
ZW_SWITCH_BINARY_SET_FRAME
                                                                                                                                        ZW SwitchBinaryGetFrame; \
                                                                                                                                        ZW_SwitchBinaryReportFrame;\
                                                                                                                                        ZW_SwitchBinarySetFrame; \
/* Command class Switch Binary V2 */\
ZW_SWITCH_BINARY_GET_V2_FRAME
ZW_SWITCH_BINARY_REPORT_V2_FRAME
ZW_SWITCH_BINARY_SET_V2_FRAME
/* Command class Switch Multilevel */\
ZW_SWITCH_WINTILEVEL_GET_FRAME
                                                                                                                                        ZW_SwitchBinaryGetV2Frame; \
                                                                                                                                        ZW SwitchBinaryReportV2Frame; \
                                                                                                                                        ZW_SwitchBinarySetV2Frame;
    ZW_SWITCH_MULTILEVEL_GET_FRAME
ZW_SWITCH_MULTILEVEL_REPORT_FRAME
ZW_SWITCH_MULTILEVEL_SET_FRAME
ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_FRAME
ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_FRAME
                                                                                                                                        ZW_SwitchMultilevelGetFrame; \
                                                                                                                                        ZW_SwitchMultilevelReportFrame;\
                                                                                                                                        ZW SwitchMultilevelSetFrame; \
                                                                                                                                        ZW SwitchMultilevelStartLevelChangeFrame; \
                                                                                                                                        ZW SwitchMultilevelStopLevelChangeFrame; \
 /* Command class Switch Multilevel V2 */
/* Command class Switch Multilevel V2 */
ZW_SWITCH_MULTILEVEL_GET_V2_FRAME
ZW_SWITCH_MULTILEVEL REPORT_V2_FRAME
ZW_SWITCH_MULTILEVEL_SET_V2_FRAME
ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V2_FRAME
ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V2_FRAME
/* Command class Switch Multilevel V3 */\
ZW_SWITCH_MULTILEVEL_CET_V3_FRAME
                                                                                                                                       ZW_SwitchMultilevelGetV2Frame;\
ZW_SwitchMultilevelReportV2Frame;\
ZW_SwitchMultilevelSetV2Frame;\
                                                                                                                                        ZW SwitchMultilevelStartLevelChangeV2Frame; \
                                                                                                                                        ZW_SwitchMultilevelStopLevelChangeV2Frame; \
    ZW_SWITCH_MULTILEVEL_GET_V3_FRAME
ZW_SWITCH_MULTILEVEL_REPORT_V3_FRAME
ZW_SWITCH_MULTILEVEL_SET_V3_FRAME
ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V3_FRAME
ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V3_FRAME
                                                                                                                                        ZW_SwitchMultilevelGetV3Frame;\
ZW_SwitchMultilevelReportV3Frame;\
ZW_SwitchMultilevelSetV3Frame;\
                                                                                                                                        ZW SwitchMultilevelStartLevelChangeV3Frame; \
                                                                                                                                        ZW_SwitchMultilevelStopLevelChangeV3Frame;\
 ZW_SWITCH_MULTILEVEL_SUPPORTED_GET_V3_FRAME
ZW_SWITCH_MULTILEVEL_SUPPORTED_REPORT_V3_FRAME
/* Command class Switch Multilevel V4 */\
                                                                                                                                        ZW_SwitchMultilevelSupportedGetV3Frame; \
                                                                                                                                        ZW_SwitchMultilevelSupportedReportV3Frame; \
     ZW_SWITCH_MULTILEVEL_GET_V4_FRAME
                                                                                                                                        ZW SwitchMultilevelGetV4Frame; \
```

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ZW SWITCH MULTILEVEL REPORT V4 FRAME
                                                                                                                                                                                            ZW SwitchMultilevelReportV4Frame; \
 ZW_SWITCH_MULTILEVEL_REPORT_V4_FRAME
ZW_SWITCH_MULTILEVEL_SET_V4_FRAME
ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V4_FRAME
ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V4_FRAME
ZW_SWITCH_MULTILEVEL_SUPPORTED_GET_V4_FRAME
ZW_SWITCH_MULTILEVEL_SUPPORTED_REPORT_V4_FRAME
/* Command class Switch Toggle Binary */\
                                                                                                                                                                                            ZW_SwitchMultilevelSetV4Frame; \
                                                                                                                                                                                            ZW SwitchMultilevelStartLevelChangeV4Frame; \
                                                                                                                                                                                           ZW_SwitchMultilevelStopLevelChangeV4Frame; \
ZW_SwitchMultilevelSupportedGetV4Frame; \
                                                                                                                                                                                            ZW SwitchMultilevelSupportedReportV4Frame; \
      ZW SWITCH TOGGLE BINARY SET FRAME
ZW SWITCH TOGGLE BINARY GET FRAME
ZW SWITCH TOGGLE BINARY REPORT FRAME
                                                                                                                                                                                            ZW_SwitchToggleBinarySetFrame; \
                                                                                                                                                                                            ZW_SwitchToggleBinaryGetFrame;
                                                                                                                                                                                            ZW SwitchToggleBinaryReportFrame; \
 /* Command class Switch Toggle Multilevel */\
ZW_SWITCH_TOGGLE_MULTILEVEL_SET_FRAME
ZW_SWITCH_TOGGLE_MULTILEVEL_GET_FRAME
ZW_SWITCH_TOGGLE_MULTILEVEL_REPORT_FRAME
                                                                                                                                                                                            ZW SwitchToggleMultilevelSetFrame; \
                                                                                                                                                                                            ZW SwitchToggleMultilevelGetFrame;
                                                                                                                                                                                            ZW_SwitchToggleMultilevelReportFrame; \
 ZW_SWITCH_TOGGLE_MULTILEVEL_START_LEVEL_CHANGE_FRAME ZW_SWITCH_TOGGLE_MULTILEVEL_STOP_LEVEL_CHANGE_FRAME /* Command_class_Tariff_Config_*/\
                                                                                                                                                                                            ZW_SwitchToggleMultilevelStartLevelChangeFrame; \
                                                                                                                                                                                           ZW SwitchToggleMultilevelStopLevelChangeFrame; \
/* Command class Tariff Config */\
ZW_TARIFF_TBL_REMOVE_1BYTE_FRAME
ZW_TARIFF_TBL_REMOVE_2BYTE_FRAME
ZW_TARIFF_TBL_REMOVE_3BYTE_FRAME
ZW_TARIFF_TBL_REMOVE_4BYTE_FRAME
ZW_TARIFF_TBL_SET_FRAME
ZW_TARIFF_TBL_SUPPLIER_SET_1BYTE_FRAME
ZW_TARIFF_TBL_SUPPLIER_SET_3BYTE_FRAME
ZW_TARIFF_TBL_SUPPLIER_SET_3BYTE_FRAME
ZW_TARIFF_TBL_SUPPLIER_SET_4BYTE_FRAME
ZW_TARIFF_TBL_SUPPLIER_SET_4BYTE_FRAME
ZW_TARIFF_TBL_COST_GET_FRAME
ZW_TARIFF_TBL_COST_GET_FRAME
ZW_TARIFF_TBL_GET_FRAME
ZW_TARIFF_TBL_GET_FRAME
ZW_TARIFF_TBL_SUPPLIER_GET_FRAME
ZW_TARIFF_TBL_SUPPLIER_GET_FRAME
ZW_TARIFF_TBL_SUPPLIER_GET_FRAME
ZW_TARIFF_TBL_SUPPLIER_GET_FRAME
ZW_TARIFF_TBL_SUPPLIER_REPORT_1BYTE_FRAME
ZW_TARIFF_TBL_SUPPLIER_REPORT_1BYTE_FRAME
ZW_TARIFF_TBL_SUPPLIER_REPORT_1BYTE_FRAME
                                                                                                                                                                                            ZW_TariffTblRemove1byteFrame; \
                                                                                                                                                                                            ZW_TariffTblRemove2byteFrame;
                                                                                                                                                                                            ZW TariffTblRemove3byteFrame;
                                                                                                                                                                                           ZW_TariffTblRemove4byteFrame; \
ZW_TariffTblSetFrame; \
                                                                                                                                                                                            ZW_TariffTblSupplierSet1byteFrame; \
                                                                                                                                                                                            ZW TariffTblSupplierSet2byteFrame; \
                                                                                                                                                                                            ZW TariffTblSupplierSet3byteFrame; \
                                                                                                                                                                                            ZW_TariffTblSupplierSet4byteFrame; \
                                                                                                                                                                                           ZW_TariffTblCostGetFrame;\
ZW_TariffTblCostReportFrame;\
                                                                                                                                                                                            ZW_TariffTblGetFrame; \
                                                                                                                                                                                            ZW_TariffTblReportFrame; \
                                                                                                                                                                                            ZW_TariffTblSupplierGetFrame; \
      ZW_TARIFF_TBL_SUPPLIER_REPORT_1BYTE_FRAME
ZW_TARIFF_TBL_SUPPLIER_REPORT_2BYTE_FRAME
ZW_TARIFF_TBL_SUPPLIER_REPORT_3BYTE_FRAME
ZW_TARIFF_TBL_SUPPLIER_REPORT_4BYTE_FRAME
                                                                                                                                                                                           ZW_TariffTblSupplierReport1byteFrame;\
ZW_TariffTblSupplierReport2byteFrame;\
                                                                                                                                                                                            ZW TariffTblSupplierReport3byteFrame;
                                                                                                                                                                                            ZW TariffTblSupplierReport4byteFrame; \
  /* Command class Thermostat Fan Mode */\
 /* Command class Thermostat Fan Mode */\
ZW_THERMOSTAT_FAN_MODE_GET_FRAME
ZW_THERMOSTAT_FAN_MODE_REPORT_FRAME
ZW_THERMOSTAT_FAN_MODE_SET_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_1BYTE_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_2BYTE_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_3BYTE_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_4BYTE_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_4BYTE_FRAME
/* Command_class_Thermostat_Fan_Mode_V2_*/\
ZW_THERMOSTAT_FAN_MODE_GET_V2_FRAME
                                                                                                                                                                                            ZW_ThermostatFanModeGetFrame; \
                                                                                                                                                                                            ZW ThermostatFanModeReportFrame; \
                                                                                                                                                                                            ZW ThermostatFanModeSetFrame; \
                                                                                                                                                                                            ZW ThermostatFanModeSupportedGetFrame;
                                                                                                                                                                                            ZW_ThermostatFanModeSupportedReport1byteFrame; \
                                                                                                                                                                                            ZW_ThermostatFanModeSupportedReport2byteFrame;
                                                                                                                                                                                            ZW_ThermostatFanModeSupportedReport4byteFrame; \
/* Command class Thermostat Fan Mode V2 */\
ZW_THERMOSTAT_FAN_MODE_GET_V2_FRAME
ZW_THERMOSTAT_FAN_MODE_REPORT_V2_FRAME
ZW_THERMOSTAT_FAN_MODE_SET_V2_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_V2_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_1BYTE_V2_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_2BYTE_V2_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_4BYTE_V2_FRAME
/* Command class Thermostat Fan Mode V3 */\
ZW_THERMOSTAT_FAN_MODE_GET_V3_FRAME
ZW_THERMOSTAT_FAN_MODE_REPORT_V3_FRAME
ZW_THERMOSTAT_FAN_MODE_SET_V3_FRAME
ZW_THERMOSTAT_FAN_MODE_SET_V3_FRAME
ZW_THERMOSTAT_FAN_MODE_SET_V3_FRAME
ZW_THERMOSTAT_FAN_MODE_SET_V3_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_V3_FRAME
                                                                                                                                                                                            ZW ThermostatFanModeGetV2Frame; \
                                                                                                                                                                                            ZW_ThermostatFanModeReportV2Frame; \
                                                                                                                                                                                           ZW_ThermostatFanModeSetV2Frame;\
ZW_ThermostatFanModeSupportedGetV2Frame;\
ZW_ThermostatFanModeSupportedReport1byteV2Frame;\
                                                                                                                                                                                            ZW_ThermostatFanModeSupportedReport2byteV2Frame; \
                                                                                                                                                                                            ZW ThermostatFanModeSupportedReport3byteV2Frame;
                                                                                                                                                                                            ZW ThermostatFanModeSupportedReport4byteV2Frame; \
                                                                                                                                                                                            ZW ThermostatFanModeGetV3Frame; \
                                                                                                                                                                                           ZW_ThermostatFanModeReportV3Frame; \
ZW_ThermostatFanModeSetV3Frame; \
 ZW_THERMOSTAT_FAN_MODE_SET_V3_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_V3_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_1BYTE_V3_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_2BYTE_V3_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_3BYTE_V3_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_4BYTE_V3_FRAME
/* Command_class_Thermostat_Fan_Mode_V4_*/\
                                                                                                                                                                                            ZW_ThermostatFanModeSupportedGetV3Frame; \
                                                                                                                                                                                            ZW_ThermostatFanModeSupportedReport1byteV3Frame; \
                                                                                                                                                                                           ZW_ThermostatFanModeSupportedReport2byteV3Frame;\ZW_ThermostatFanModeSupportedReport3byteV3Frame;\
                                                                                                                                                                                            ZW ThermostatFanModeSupportedReport4byteV3Frame; \
     * Command class Thermostat Fan Mode V4 */\
ZW_THERMOSTAT_FAN_MODE_GET_V4_FRAME
ZW_THERMOSTAT_FAN_MODE_REPORT_V4_FRAME
ZW_THERMOSTAT_FAN_MODE_SET_V4_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_V4_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_1BYTE_V4_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_2BYTE_V4_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_3BYTE_V4_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_4BYTE_V4_FRAME
ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_4BYTE_V4_FRAME
CM_MODE_SUPPORTED_REPORT_4BYTE_V4_FRAME
**COMMAND Class_Thermostat_Fan_State_*/\
                                                                                                                                                                                            ZW ThermostatFanModeGetV4Frame; \
                                                                                                                                                                                            ZW_ThermostatFanModeReportV4Frame; \
                                                                                                                                                                                           \label{lem:ZWThermostatFanModeSetV4Frame; Lambda Supported GetV4Frame; L
                                                                                                                                                                                            ZW ThermostatFanModeSupportedReport1byteV4Frame; \
                                                                                                                                                                                            ZW ThermostatFanModeSupportedReport2byteV4Frame;
                                                                                                                                                                                            ZW_ThermostatFanModeSupportedReport3byteV4Frame; \
                                                                                                                                                                                            ZW ThermostatFanModeSupportedReport4byteV4Frame; \
 /* Command class Thermostat Fan State */\
ZW THERMOSTAT_FAN_STATE_GET_FRAME
ZW_THERMOSTAT_FAN_STATE_REPORT_FRAME
/* Command class Thermostat Fan State V2 */\
                                                                                                                                                                                           ZW_ThermostatFanStateGetFrame; \
ZW_ThermostatFanStateReportFrame; \
      ZW_THERMOSTAT_FAN_STATE_GET_V2_FRAME
                                                                                                                                                                                            ZW ThermostatFanStateGetV2Frame; \
       ZW_THERMOSTAT_FAN_STATE_REPORT_V2_FRAME
                                                                                                                                                                                            ZW_ThermostatFanStateReportV2Frame; \
  /* Command class Thermostat Heating */\
ZW_THERMOSTAT_HEATING_STATUS_REPORT_FRAME
ZW_THERMOSTAT_HEATING_MODE_GET_FRAME
                                                                                                                                                                                            ZW ThermostatHeatingStatusReportFrame; \
                                                                                                                                                                                            ZW ThermostatHeatingModeGetFrame; \
```

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ZW_THERMOSTAT_HEATING_MODE_REPORT_FRAME
ZW_THERMOSTAT_HEATING_MODE_SET_FRAME
ZW_THERMOSTAT_HEATING_RELAY_STATUS_GET_FRAME
ZW_THERMOSTAT_HEATING_RELAY_STATUS_REPORT_FRAME
ZW_THERMOSTAT_HEATING_SETPOINT_GET_FRAME
ZW_THERMOSTAT_HEATING_SETPOINT_REPORT_1BYTE_FRAME
ZW_THERMOSTAT_HEATING_SETPOINT_REPORT_2BYTE_FRAME
ZW_THERMOSTAT_HEATING_SETPOINT_REPORT_3BYTE_FRAME
ZW_THERMOSTAT_HEATING_SETPOINT_REPORT_3BYTE_FRAME
ZW_THERMOSTAT_HEATING_SETPOINT_SET_1BYTE_FRAME
ZW_THERMOSTAT_HEATING_SETPOINT_SET_2BYTE_FRAME
ZW_THERMOSTAT_HEATING_SETPOINT_SET_3BYTE_FRAME
ZW_THERMOSTAT_HEATING_SETPOINT_SET_3BYTE_FRAME
ZW_THERMOSTAT_HEATING_SETPOINT_SET_4BYTE_FRAME
ZW_THERMOSTAT_HEATING_STATUS_GET_FRAME
ZW_THERMOSTAT_HEATING_STATUS_GET_FRAME
ZW_THERMOSTAT_HEATING_STATUS_GET_FRAME
ZW_THERMOSTAT_HEATING_STATUS_SET_FRAME
ZW_THERMOSTAT_HEATING_STATUS_GET_FRAME
ZW_THERMOSTAT_HEATING_STATUS_GET_FRAME
ZW_THERMOSTAT_HEATING_TIMED_OFF_SET_FRAME
/* Command_class_Thermostat_Mode_*/\
ZW_THERMOSTAT_MODE_GET_FRAME
      ZW THERMOSTAT HEATING MODE REPORT FRAME
                                                                                                                                                                               ZW ThermostatHeatingModeReportFrame; \
                                                                                                                                                                               ZW_ThermostatHeatingModeSetFrame; \
                                                                                                                                                                               ZW ThermostatHeatingRelayStatusGetFrame; \
                                                                                                                                                                               \begin{tabular}{ll} ZW\_ThermostatHeatingRelayStatusReportFrame; $$ ZW\_ThermostatHeatingSetpointGetFrame; $$ \end{tabular}
                                                                                                                                                                               ZW ThermostatHeatingSetpointReport1byteFrame; \
                                                                                                                                                                               ZW ThermostatHeatingSetpointReport2byteFrame;
                                                                                                                                                                               ZW_ThermostatHeatingSetpointReport3byteFrame;
                                                                                                                                                                               {\tt ZW\_ThermostatHeatingSetpointReport4byteFrame; } \
                                                                                                                                                                               ZW_ThermostatHeatingSetpointSet1byteFrame;\
ZW_ThermostatHeatingSetpointSet2byteFrame;\
                                                                                                                                                                               ZW ThermostatHeatingSetpointSet3byteFrame; \
                                                                                                                                                                               ZW ThermostatHeatingSetpointSet4byteFrame; \
                                                                                                                                                                               ZW_ThermostatHeatingStatusGetFrame;
                                                                                                                                                                               ZW_ThermostatHeatingStatusSetFrame; \
                                                                                                                                                                               ZW_ThermostatHeatingTimedOffSetFrame; \
     ZW_THERMOSTAT_MODE_GET_FRAME
ZW_THERMOSTAT_MODE_REPORT_FRAME
                                                                                                                                                                               ZW_ThermostatModeGetFrame; \
                                                                                                                                                                               ZW_ThermostatModeReportFrame; \
      ZW_THERMOSTAT_MODE_SET_FRAME
                                                                                                                                                                               ZW ThermostatModeSetFrame; \
     ZW_THERMOSTAT_MODE_SUPPORTED_GET_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_1BYTE_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_2BYTE_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_3BYTE_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_4BYTE_FRAME
                                                                                                                                                                               ZW_ThermostatModeSupportedGetFrame;\
ZW_ThermostatModeSupportedReport1byteFrame;\
ZW_ThermostatModeSupportedReport2byteFrame;\
                                                                                                                                                                               ZW ThermostatModeSupportedReport3byteFrame; \
                                                                                                                                                                               ZW ThermostatModeSupportedReport4byteFrame; \
 /* Command class Thermostat Mode V2 */\
     ZW_THERMOSTAT_MODE_GET_V2_FRAME
ZW_THERMOSTAT_MODE_REPORT_V2_FRAME
ZW_THERMOSTAT_MODE_SET_V2_FRAME
                                                                                                                                                                               ZW_ThermostatModeGetV2Frame; \
                                                                                                                                                                               ZW_ThermostatModeReportV2Frame; \
ZW_ThermostatModeSetV2Frame; \
     ZW_THERMOSTAT_MODE_SUPPORTED_GET_V2_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_1BYTE_V2_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_2BYTE_V2_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_4BYTE_V2_FRAME
                                                                                                                                                                               ZW_ThermostatModeSupportedGetV2Frame; \
                                                                                                                                                                               ZW_ThermostatModeSupportedReport1byteV2Frame; \
                                                                                                                                                                               ZW_ThermostatModeSupportedReport2byteV2Frame; \
                                                                                                                                                                               ZW_ThermostatModeSupportedReport3byteV2Frame; \
                                                                                                                                                                               ZW ThermostatModeSupportedReport4byteV2Frame; \
       Command class Thermostat Mode V3
      ZW THERMOSTAT MODE GET V3 FRAME
                                                                                                                                                                               ZW ThermostatModeGetV3Frame; \
     ZW_THERMOSTAT_MODE_REPORT_1BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_REPORT_2BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_REPORT_3BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_REPORT_4BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_SET_1BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_SET_2BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_SET_3BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_SET_4BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_SET_4BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_GET_V3_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_2BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_2BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_3BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_3BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_4BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_4BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_4BYTE_V3_FRAME
      ZW_THERMOSTAT_MODE_REPORT_1BYTE_V3_FRAME
                                                                                                                                                                               ZW_ThermostatModeReport1byteV3Frame; \
                                                                                                                                                                               ZW_ThermostatModeReport2byteV3Frame; \
                                                                                                                                                                               ZW_ThermostatModeReport3byteV3Frame; \
                                                                                                                                                                               ZW_ThermostatModeReport4byteV3Frame; \
ZW_ThermostatModeSet1byteV3Frame; \
                                                                                                                                                                               ZW_ThermostatModeSet2byteV3Frame;
                                                                                                                                                                               ZW_ThermostatModeSet3byteV3Frame; \
                                                                                                                                                                               ZW_ThermostatModeSet4byteV3Frame; \
                                                                                                                                                                               ZW_ThermostatModeSupportedGetV3Frame;\
ZW_ThermostatModeSupportedReport1byteV3Frame;\
                                                                                                                                                                               ZW ThermostatModeSupportedReport2byteV3Frame;
                                                                                                                                                                               ZW_ThermostatModeSupportedReport3byteV3Frame;
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_3BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_4BYTE_V3_FRAME
/* Command class Thermostat Operating State */\
ZW_THERMOSTAT_OPERATING_STATE_GET_FRAME
ZW_THERMOSTAT_OPERATING_STATE_REPORT_FRAME
/* Command class Thermostat Operating State V2 */\
ZW_THERMOSTAT_OPERATING_STATE_GET_V2_FRAME
ZW_THERMOSTAT_OPERATING_STATE_LOGGING_SUPPORTED_GET_V2_FRAME
ZW_THERMOSTAT_OPERATING_STATE_LOGGING_SUPPORTED_GET_V2_FRAME
ZW_THERMOSTAT_OPERATING_STATE_LOGGING_SUPPORTED_GET_V2_FRAME
                                                                                                                                                                               ZW_ThermostatModeSupportedReport4byteV3Frame; \
                                                                                                                                                                               ZW_ThermostatOperatingStateGetFrame; \
                                                                                                                                                                               ZW ThermostatOperatingStateReportFrame; \
                                                                                                                                                                               ZW_ThermostatOperatingStateGetV2Frame; \
                                                                                                                                                                               ZW_ThermostatOperatingStateReportV2Frame; \
ZW_ThermostatOperatingStateLoggingSupportedGetV2Frame;\
ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_1BYTE_V2_FRAME
 ZW_ThermostatOperatingLoggingSupportedReport1byteV2Frame;
      ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_2BYTE_V2_FRAME
ZW_ThermostatOperatingLoggingSupportedReport2byteV2Frame;\
ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_4BYTE_V2_FRAME
ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_4BYTE_V2_FRAME
ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_4BYTE_V2_FRAME
     ThermostatoperatingloggingsupportedReport4bytev2rrame; ZW_THERMOSTAT_OPERATING_STATE_LOGGING_GET_1BYTE_V2_FRAME ZW_THERMOSTAT_OPERATING_STATE_LOGGING_GET_2BYTE_V2_FRAME ZW_THERMOSTAT_OPERATING_STATE_LOGGING_GET_3BYTE_V2_FRAME ZW_THERMOSTAT_OPERATING_STATE_LOGGING_GET_4BYTE_V2_FRAME VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_V2_VG_ZW_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_1BYTE_V2_FRAME ZW_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_1BYTE_V2_FRAME_VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_1BYTE_V2_FRAME_VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_1BYTE_V2_FRAME_VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_1BYTE_V2_FRAME_VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_1BYTE_V2_FRAME_VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_1BYTE_V2_FRAME_VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_1BYTE_V2_FRAME_VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_1BYTE_V2_FRAME_VG_THERMOSTAT_DEPART_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOSTAT_THERMOS
                                                                                                                                                                               ZW_ThermostatOperatingStateLoggingGet1byteV2Frame; \
                                                                                                                                                                              ZW_ThermostatOperatingStateLoggingGet2byteV2Frame;\
ZW_ThermostatOperatingStateLoggingGet3byteV2Frame;\
                                                                                                                                                                               ZW ThermostatOperatingStateLoggingGet4byteV2Frame; \
                                                                                                                                                                               VG ThermostatOperatingStateLoggingReportV2VGroup;\
ZW_ThermostatOperatingStateLoggingReport1byteV2Frame;
ZW_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_2BYTE_V2_FRAME
ZW_ThermostatOperatingStateLoggingReport2byteV2Frame; \
ZW_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_3BYTE_V2_FRAME
 ZW ThermostatOperatingStateLoggingReport3byteV2Frame;
      ZW_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_4BYTE_V2_FRAME
ZW_ThermostatOperatingStateLoggingReport4byteV2Frame;
 /* Command class Thermostat Setback */\
ZW_THERMOSTAT_SETBACK_GET_FRAME
ZW_THERMOSTAT_SETBACK_REPORT_FRAME
                                                                                                                                                                               ZW ThermostatSetbackGetFrame; \
                                                                                                                                                                               ZW ThermostatSetbackReportFrame; \
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ZW THERMOSTAT SETBACK SET FRAME
                                                                                                                                                                                                                                                 ZW ThermostatSetbackSetFrame; \
  /* Command class Thermostat Setpoint */\
ZW_THERMOSTAT_SETPOINT_GET_FRAME
ZW_THERMOSTAT_SETPOINT_REPORT_1BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_REPORT_2BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_SET_1BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_SET_1BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_SET_3BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_SET_3BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_SET_3BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_SET_4BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_GET_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_1BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_2BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_4BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_4BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_4BYTE_FRAME
/* Command_class_Thermostat_Setpoint_V2_*/
ZW_THERMOSTAT_SETPOINT_GET_V2_FRAME
        ZW_THERMOSTAT_SETPOINT_GET_FRAME
                                                                                                                                                                                                                                                 ZW ThermostatSetpointGetFrame; \
                                                                                                                                                                                                                                                 ZW_ThermostatSetpointReport1byteFrame; \
                                                                                                                                                                                                                                                 ZW ThermostatSetpointReport2byteFrame;
                                                                                                                                                                                                                                                 ZW ThermostatSetpointReport3byteFrame;
                                                                                                                                                                                                                                                 ZW ThermostatSetpointReport4byteFrame;
                                                                                                                                                                                                                                                 ZW_ThermostatSetpointSet1byteFrame;
                                                                                                                                                                                                                                                 ZW_ThermostatSetpointSet2byteFrame; \
                                                                                                                                                                                                                                                 ZW_ThermostatSetpointSet3byteFrame; \
                                                                                                                                                                                                                                                 ZW ThermostatSetpointSet4byteFrame; \
                                                                                                                                                                                                                                                 ZW ThermostatSetpointSupportedGetFrame; \
                                                                                                                                                                                                                                                 ZW ThermostatSetpointSupportedReport1byteFrame; \
                                                                                                                                                                                                                                                 ZW_ThermostatSetpointSupportedReport2byteFrame;
                                                                                                                                                                                                                                                 ZW_ThermostatSetpointSupportedReport3byteFrame; \
                                                                                                                                                                                                                                                ZW_ThermostatSetpointSupportedReport4byteFrame; \
      * Command class Thermostat Setpoint V2 */\
ZW_THERMOSTAT_SETPOINT_GET_V2_FRAME
ZW_THERMOSTAT_SETPOINT_REPORT_1BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_REPORT_2BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_REPORT_4BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_SET_1BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_SET_2BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_SET_3BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_SET_4BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_SET_4BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_GET_V2_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_1BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_2BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_4BYTE_V2_FRAME
                                                                                                                                                                                                                                                 ZW_ThermostatSetpointGetV2Frame; \
                                                                                                                                                                                                                                                 ZW_ThermostatSetpointReport1byteV2Frame; \
                                                                                                                                                                                                                                                 ZW ThermostatSetpointReport2byteV2Frame;
                                                                                                                                                                                                                                                ZW_ThermostatSetpointReport3byteV2Frame;\
ZW_ThermostatSetpointReport4byteV2Frame;\
ZW_ThermostatSetpointSet1byteV2Frame;\
                                                                                                                                                                                                                                                 ZW ThermostatSetpointSet2byteV2Frame;
                                                                                                                                                                                                                                                 ZW ThermostatSetpointSet3byteV2Frame;
                                                                                                                                                                                                                                                 ZW_ThermostatSetpointSet4byteV2Frame;
                                                                                                                                                                                                                                                ZW_ThermostatSetpointSupportedGetV2Frame;\
ZW_ThermostatSetpointSupportedReport1byteV2Frame;\
ZW_ThermostatSetpointSupportedReport2byteV2Frame;\
                                                                                                                                                                                                                                                 ZW_ThermostatSetpointSupportedReport3byteV2Frame; \
                                                                                                                                                                                                                                                 ZW ThermostatSetpointSupportedReport4byteV2Frame; \
 /* Command class Thermostat Setpoint V3 */\
ZW THERMOSTAT SETPOINT GET_V3 FRAME
ZW_THERMOSTAT_SETPOINT_REPORT_1BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_REPORT_2BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_SETPOINT_REPORT_ABYTE_V3_FRAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_THERMOSTAT_TSTAME_ZW_T
                                                                                                                                                                                                                                                ZW_ThermostatSetpointGetV3Frame;\
ZW_ThermostatSetpointReport1byteV3Frame;\
                                                                                                                                                                                                                                                 ZW ThermostatSetpointReport2byteV3Frame;
                                                                                                                                                                                                                                                 ZW ThermostatSetpointReport3byteV3Frame;
       ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_REPORT_4BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_SET_1BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_SET_2BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_SET_3BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_SET_4BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_GET_V3_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_1BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_2BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_CAPABILITIES_GET_V3_FRAME
ZW_THERMOSTAT_SETPOINT_CAPABILITIES_GET_V3_FRAME
ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_1BYTE_V3_FRAME
TW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_1BYTE_V3_FRAME
TW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_1BYTE_V3_FRAME
TW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_1BYTE_V3_FRAME
THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_1BYTE_V3_FRAME
THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_1BYTE_V3_FRAME
THERMOSTAT_SETPOINT_CAPABILITIES_TEPORT_TBYTE_V3_FRAME
THERMOSTAT_SETPOINT_CAPABILITIES_TEPORT_TBYTE_V3_FRAME
THERMOSTAT_SETPOINT_CAPABILITIES_TEPORT_TBYTE_V3_FRAME
THERMOSTAT_SETPOINT_TAPABILITIES_TEPORT_TBYTE_V3_FRAME
THERMOSTAT_SETPOINT_TAPABILITIES_TEPORT_TBYTE_V3_FRAME
THERMOSTAT_SETPOINT_TAPABILITIES_TEPORT_TBYTE_V3_FRAME
THERMOSTAT_SETPOINT_TAPABILITIES_TEPORT_TBYTE_V3_FRAME
THERMOSTAT_SETPOINT_TAPABILITIES_TEPORT_TBYTE_V3_FRAME
THERMOSTAT_SETPOINT_TAPABILITIES_TEPORT_TBYTE_V3_FRAME
THERMOSTAT_TAPABILITIES_TEPORT_TBYTE_V3_FRAME
THERMOSTAT_TAPABILITIES_TEPORT_TBYTE_V3_FRAME
THERMOSTAT_TAPABILITIES_TEPORT_TBYTE_V3_FRAME
THERMOSTAT_TAPABILITIES_TEPORT_TBYTE_V3_FRAME
                                                                                                                                                                                                                                                 ZW_ThermostatSetpointReport4byteV3Frame; \
                                                                                                                                                                                                                                                 ZW_ThermostatSetpointSet1byteV3Frame; \
                                                                                                                                                                                                                                                ZW_ThermostatSetpointSet2byteV3Frame;\
ZW_ThermostatSetpointSet3byteV3Frame;\
ZW_ThermostatSetpointSet4byteV3Frame;\
                                                                                                                                                                                                                                                 ZW_ThermostatSetpointSupportedGetV3Frame;
                                                                                                                                                                                                                                                 ZW_ThermostatSetpointSupportedReport1byteV3Frame; \
                                                                                                                                                                                                                                               ZW_ThermostatSetpointSupportedReport2byteV3Frame;\
ZW_ThermostatSetpointSupportedReport3byteV3Frame;\
ZW_ThermostatSetpointSupportedReport4byteV3Frame;\
                                                                                                                                                                                                                                                 ZW ThermostatSetpointCapabilitiesGetV3Frame; \
ZW_ThermostatSetpointCapabilitiesReport1byteV3Frame;\
ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_2BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_3BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_3BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_3BYTE_V3_FRAME
         ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_4BYTE_V3_FRAME
ZW_THERMOSTAT_EFFORM_CAFABILITIES_REFORT_4BITE_V3
ZW_THERMOSTATSetpointCapabilitiesReport4byteV3Frame;\
/* Command class Time Parameters */\
ZW_TIME_PARAMETERS_GET_FRAME
ZW_TIME_PARAMETERS_REPORT_FRAME
                                                                                                                                                                                                                                                ZW_TimeParametersGetFrame;\
ZW_TimeParametersReportFrame;\
        ZW_TIME_PARAMETERS_SET_FRAME
                                                                                                                                                                                                                                                 ZW_TimeParametersSetFrame; \
  /* Command class Time */
        ZW_DATE_GET_FRAME
ZW_DATE_REPORT_FRAME
ZW_TIME_GET_FRAME
                                                                                                                                                                                                                                                 ZW_DateGetFrame; \
                                                                                                                                                                                                                                                 ZW DateReportFrame; \
                                                                                                                                                                                                                                                 ZW TimeGetFrame; \
  ZW_TIME_REPORT_FRAME
/* Command class Time V2 */\
                                                                                                                                                                                                                                                ZW TimeReportFrame; \
         ZW_DATE_GET_V2_FRAME
                                                                                                                                                                                                                                                 ZW_DateGetV2Frame; \
 ZW_DATE_GET_V2_FRAME
ZW_DATE_REPORT_V2_FRAME
ZW_TIME_GET_V2_FRAME
ZW_TIME_OFFSET_GET_V2_FRAME
ZW_TIME_OFFSET_REPORT_V2_FRAME
ZW_TIME_OFFSET_SET_V2_FRAME
ZW_TIME_REPORT_V2_FRAME
ZW_TIME_OFFSET_SET_V2_FRAME
ZW_TIME_ACCOMMAND_FIRST_SEGMENT_BYTE_V2_FRAME
ZW_COMMAND_FIRST_SEGMENT_BYTE_V2_FRAME
ZW_COMMAND_FIRST_SEGMENT_BYTE_V2_FRAME
ZW_COMMAND_FIRST_SEGMENT_BYTE_V2_FRAME
ZW_COMMAND_FIRST_SEGMENT_BYTE_V2_FRAME
ZW_COMMAND_FIRST_SEGMENT_BYTE_V2_FRAME
ZW_COMMAND_FIRST_SEGMENT_BYTE_V2_FRAME
ZW_COMMAND_SEGMENT_COMPLETE_V2_FRAME
                                                                                                                                                                                                                                               ZW_DateReportV2Frame;\
ZW TimeGetV2Frame;\
                                                                                                                                                                                                                                                 ZW TimeOffsetGetV2Frame; \
                                                                                                                                                                                                                                                 ZW TimeOffsetReportV2Frame; \
                                                                                                                                                                                                                                                 ZW TimeOffsetSetV2Frame; \
                                                                                                                                                                                                                                                 ZW TimeReportV2Frame; \
                                                                                                                                                                                                                                                 ZW CommandFirstSegment1byteV2Frame; \
                                                                                                                                                                                                                                                 ZW CommandFirstSegment2byteV2Frame;
                                                                                                                                                                                                                                                 ZW CommandFirstSegment3byteV2Frame; \
                                                                                                                                                                                                                                                 ZW_CommandFirstSegment4byteV2Frame;\
         ZW_COMMAND_SEGMENT_COMPLETE_V2_FRAME
ZW_COMMAND_SEGMENT_REQUEST_V2_FRAME
ZW_COMMAND_SEGMENT_WAIT_V2_FRAME
                                                                                                                                                                                                                                                 ZW_CommandSegmentCompleteV2Frame; \
                                                                                                                                                                                                                                                ZW_CommandSegmentRequestV2Frame; \
ZW_CommandSegmentWaitV2Frame; \
         ZW COMMAND SUBSEQUENT SEGMENT 1BYTE V2 FRAME
                                                                                                                                                                                                                                                 ZW CommandSubsequentSegment1byteV2Frame; \
```

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ZW COMMAND SUBSEQUENT SEGMENT 2BYTE V2 FRAME
                                                                                                                                   ZW CommandSubsequentSegment2byteV2Frame; \
    ZW COMMAND SUBSEQUENT SEGMENT 3BYTE V2 FRAME ZW COMMAND SUBSEQUENT SEGMENT 4BYTE V2 FRAME
                                                                                                                                   ZW_CommandSubsequentSegment3byteV2Frame; \
                                                                                                                                   ZW CommandSubsequentSegment4byteV2Frame; \
/* Command SUBSEQUENT_SERRET.
/* Command class Transport Service */\
ZW_COMMAND FIRST FRAGMENT 1BYTE FRAME
ZW_COMMAND FIRST FRAGMENT 2BYTE FRAME
ZW_COMMAND FIRST FRAGMENT 3BYTE FRAME
ZW_COMMAND FIRST FRAGMENT 4BYTE FRAME
                                                                                                                                   ZW CommandFirstFragment1byteFrame;
                                                                                                                                   ZW CommandFirstFragment2byteFrame; \
                                                                                                                                   ZW CommandFirstFragment3byteFrame; \
                                                                                                                                   ZW_CommandFirstFragment4byteFrame; \
    ZW_COMMAND_SUBSEQUENT_FRAGMENT_1BYTE_FRAME
ZW_COMMAND_SUBSEQUENT_FRAGMENT_2BYTE_FRAME
ZW_COMMAND_SUBSEQUENT_FRAGMENT_3BYTE_FRAME
ZW_COMMAND_SUBSEQUENT_FRAGMENT_4BYTE_FRAME
                                                                                                                                   ZW_CommandSubsequentFragment1byteFrame; \
                                                                                                                                   ZW_CommandSubsequentFragment2byteFrame; \
                                                                                                                                   ZW_CommandSubsequentFragment3byteFrame; \
                                                                                                                                   ZW CommandSubsequentFragment4byteFrame; \
 /* Command class User Code */
/* Command class User Code */\
ZW_USER_CODE_GET_FRAME
ZW_USER_CODE_REPORT_FRAME
ZW_USER_CODE_SET_FRAME
ZW_USERS_NUMBER_GET_FRAME
ZW_USERS_NUMBER_REPORT_FRAME
/* Command class Version */\
ZW_USERS_NUMBER_CLASS_GET_
                                                                                                                                   ZW_UserCodeGetFrame; \
                                                                                                                                   ZW_UserCodeReportFrame; \
                                                                                                                                   ZW_UserCodeSetFrame;\
ZW UsersNumberGetFrame;\
                                                                                                                                   ZW_UsersNumberReportFrame; \
     ZW_VERSION_COMMAND_CLASS_GET_FRAME
                                                                                                                                   ZW_VersionCommandClassGetFrame; \
    ZW_VERSION_COMMAND_CLASS_REPORT_FRAME
ZW_VERSION_GET_FRAME
                                                                                                                                   ZW_VersionCommandClassReportFrame;\
ZW_VersionGetFrame;\
 ZW_VERSION_REPORT_FRAME
/* Command class Version V2 */\
                                                                                                                                   ZW_VersionReportFrame; \
    ZW VERSION COMMAND CLASS GET V2 FRAME
                                                                                                                                   ZW VersionCommandClassGetV2Frame; \
ZW_VERSION_COMMAND_CLASS_GET_V2_FRAME
ZW_VERSION_COMMAND_CLASS_REPORT_V2_FRAME
ZW_VERSION_GET_V2_FRAME
VG_VERSION_REPORT_V2_VG
ZW_VERSION_REPORT_1BYTE_V2_FRAME
ZW_VERSION_REPORT_2BYTE_V2_FRAME
ZW_VERSION_REPORT_3BYTE_V2_FRAME
ZW_VERSION_REPORT_4BYTE_V2_FRAME
ZW_VERSION_REPORT_4BYTE_V2_FRAME
ZW_VERSION_REPORT_4BYTE_V2_FRAME
ZW_WAKE_UP_INTERVAL_GET_FRAME
ZW_WAKE_UP_INTERVAL_REPORT_FRAME
ZW_WAKE_UP_INTERVAL_SET_FRAME
ZW_WAKE_UP_NTERVAL_SET_FRAME
ZW_WAKE_UP_NO MORE_INFORMATION_FRAME
                                                                                                                                   ZW_VersionCommandClassReportV2Frame;\
ZW_VersionGetV2Frame;\
                                                                                                                                   VG_VersionReportV2VGroup;\
ZW_VersionReport1byteV2Frame;\
                                                                                                                                   ZW_VersionReport2byteV2Frame; \
                                                                                                                                   ZW_VersionReport3byteV2Frame; \
                                                                                                                                   ZW_VersionReport4byteV2Frame; \
                                                                                                                                   ZW WakeUpIntervalGetFrame; \
                                                                                                                                   ZW WakeUpIntervalReportFrame; \
                                                                                                                                   ZW WakeUpIntervalSetFrame; \
     ZW_WAKE_UP_NO_MORE_INFORMATION_FRAME
                                                                                                                                   ZW_WakeUpNoMoreInformationFrame; \
  ZW_WAKE_UP_NOTIFICATION_FRAME
ZW_WAKE_UP_NOTIFICATION_FRAME
/* Command class Wake Up V2 */\
ZW_WAKE_UP_INTERVAL_CAPABILITIES_GET_V2_FRAME
ZW_WAKE_UP_INTERVAL_GET_V2_FRAME
ZW_WAKE_UP_INTERVAL_GET_V2_FRAME
ZW_WAKE_UP_INTERVAL_REPORT_V2_FRAME
ZW_WAKE_UP_INTERVAL_SET_V2_FRAME
ZW_WAKE_UP_INTERVAL_SET_V2_FRAME
                                                                                                                                   ZW_WakeUpNotificationFrame; \
                                                                                                                                   ZW_WakeUpIntervalCapabilitiesGetV2Frame;\
                                                                                                                                   ZW WakeUpIntervalCapabilitiesReportV2Frame; \
                                                                                                                                   ZW_WakeUpIntervalGetV2Frame; \
                                                                                                                                   ZW WakeUpIntervalReportV2Frame;
                                                                                                                                   ZW_WakeUpIntervalSetV2Frame; \
 #define ZW_FRAME_COLLECTION_MACRO4\
ZW_WAKE_UP_NO_MORE_INFORMATION_V2_FRAME
ZW_WAKE_UP_NOTIFICATION_V2_FRAME
                                                                                                                                   ZW WakeUpNoMoreInformationV2Frame; \
                                                                                                                                   ZW WakeUpNotificationV2Frame; \
 /* Command class Zip 6lowpan */\
ZW_LOWPAN_FIRST_FRAGMENT_1BYTE_FRAME
ZW_LOWPAN_FIRST_FRAGMENT_2BYTE_FRAME
ZW_LOWPAN_FIRST_FRAGMENT_3BYTE_FRAME
ZW_LOWPAN_FIRST_FRAGMENT_4BYTE_FRAME
                                                                                                                                   ZW_LowpanFirstFragment1byteFrame;\
ZW_LowpanFirstFragment2byteFrame;\
                                                                                                                                   ZW LowpanFirstFragment3byteFrame; \
                                                                                                                                   ZW LowpanFirstFragment4byteFrame;
ZW_LOWPAN_SUBSEQUENT_FRAGMENT_1BYTE_FRAME
ZW_LOWPAN_SUBSEQUENT_FRAGMENT_2BYTE_FRAME
ZW_LOWPAN_SUBSEQUENT_FRAGMENT_3BYTE_FRAME
ZW_LOWPAN_SUBSEQUENT_FRAGMENT_4BYTE_FRAME
/* Command class Zip */\
                                                                                                                                   ZW_LowpanSubsequentFragment1byteFrame; \
                                                                                                                                   ZW_LowpanSubsequentFragment2byteFrame; \
                                                                                                                                   ZW_LowpanSubsequentFragment3byteFrame; \
                                                                                                                                   ZW LowpanSubsequentFragment4byteFrame; \
/* Command class Zip */\
ZW_COMMAND_ZIP_PACKET_1BYTE_FRAME
ZW_COMMAND_ZIP_PACKET_2BYTE_FRAME
ZW_COMMAND_ZIP_PACKET_3BYTE_FRAME
ZW_COMMAND_ZIP_PACKET_3BYTE_FRAME
ZW_COMMAND_ZIP_PACKET_4BYTE_FRAME
/* Command class Zip V2 */\
ZW_COMMAND_ZIP_PACKET_1BYTE_V2_FRAME
ZW_COMMAND_ZIP_PACKET_3BYTE_V2_FRAME
ZW_COMMAND_ZIP_PACKET_3BYTE_V2_FRAME
ZW_COMMAND_ZIP_PACKET_3BYTE_V2_FRAME
ZW_COMMAND_ZIP_PACKET_4BYTE_V2_FRAME
/* Command class Zip V3 */\
ZW_COMMAND_ZIP_PACKET_1BYTE_V3_FRAME
ZW_COMMAND_ZIP_PACKET_3BYTE_V3_FRAME
ZW_COMMAND_ZIP_PACKET_3BYTE_V3_FRAME
ZW_COMMAND_ZIP_PACKET_3BYTE_V3_FRAME
ZW_COMMAND_ZIP_PACKET_3BYTE_V3_FRAME
ZW_COMMAND_ZIP_PACKET_4BYTE_V3_FRAME
ZW_COMMAND_ZIP_PACKET_4BYTE_V3_FRAME
ZW_COMMAND_CAMPACKET_4BYTE_V3_FRAME
/* Command class Application Capability */\
ZW_COMMAND_COMMAND_CLASS_NOT_SUPPORTED_FRAME
/* Command class Switch Color */\
ZW_SWITCH_COLOR_SUPPORTED_GET_FRAME
                                                                                                                                   ZW_CommandZipPacket1byteFrame; \
                                                                                                                                   ZW_CommandZipPacket2byteFrame;
                                                                                                                                   ZW_CommandZipPacket3byteFrame; \
                                                                                                                                   ZW_CommandZipPacket4byteFrame; \
                                                                                                                                   ZW CommandZipPacket1byteV2Frame;\
                                                                                                                                   ZW CommandZipPacket2byteV2Frame;
                                                                                                                                   ZW_CommandZipPacket3byteV2Frame; \
                                                                                                                                   ZW_CommandZipPacket4byteV2Frame; \
                                                                                                                                   ZW CommandZipPacket1byteV3Frame; \
                                                                                                                                   ZW CommandZipPacket2byteV3Frame;
                                                                                                                                   ZW_CommandZipPacket3byteV3Frame;
                                                                                                                                   ZW CommandZipPacket4byteV3Frame; \
                                                                                                                                   ZW CommandCommandClassNotSupportedFrame; \
    Command class Switch Color */\
ZW_SWITCH_COLOR_SUPPORTED_GET_FRAME
ZW_SWITCH_COLOR_SUPPORTED_REPORT_FRAME
ZW_SWITCH_COLOR_GET_FRAME
ZW_SWITCH_COLOR_REPORT_FRAME
VG_SWITCH_COLOR_SET_VG
ZW_SWITCH_COLOR_SET_1BYTE_FRAME
                                                                                                                                   ZW SwitchColorSupportedGetFrame; \
                                                                                                                                   ZW_SwitchColorSupportedReportFrame; \
                                                                                                                                   ZW_SwitchColorGetFrame; \
                                                                                                                                   ZW_SwitchColorReportFrame;
VG_SwitchColorSetVGroup; \
                                                                                                                                   ZW SwitchColorSet1byteFrame; \
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ZW SWITCH COLOR SET 2BYTE FRAME
                                                                                                                                                                                                            ZW SwitchColorSet2byteFrame; \
      ZW_SWITCH_COLOR_SET_3BYTE_FRAME
ZW_SWITCH_COLOR_SET_4BYTE_FRAME
                                                                                                                                                                                                            ZW_SwitchColorSet3byteFrame;
                                                                                                                                                                                                            ZW SwitchColorSet4byteFrame;
 ZW_SWITCH_COLOR_START_LEVEL_CHANGE_FRAME ZW_SWITCH_COLOR_STOP_LEVEL_CHANGE_FRAME /* Command_class_Switch_Color_V2_*/\
                                                                                                                                                                                                            ZW_SwitchColorStartLevelChangeFrame;\
ZW_SwitchColorStopLevelChangeFrame;\
ZW SwitchColorSupportedGetV2Frame; \
                                                                                                                                                                                                            ZW_SwitchColorSupportedReportV2Frame; \
                                                                                                                                                                                                            ZW_SwitchColorGetV2Frame; \
                                                                                                                                                                                                            ZW_SwitchColorReportV2Frame;
VG_SwitchColorSetV2VGroup;\
                                                                                                                                                                                                            ZW_SwitchColorSet1byteV2Frame; \
                                                                                                                                                                                                            ZW SwitchColorSet2byteV2Frame; \
                                                                                                                                                                                                            ZW_SwitchColorSet3byteV2Frame;
                                                                                                                                                                                                            ZW_SwitchColorSet4byteV2Frame; \
                                                                                                                                                                                                            ZW_SwitchColorStartLevelChangeV2Frame;\
ZW_SwitchColorStopLevelChangeV2Frame;\
     * Command class Switch Color V3 */\

ZW_SWITCH_COLOR_SUPPORTED_GET_V3_FRAME
ZW_SWITCH_COLOR_GET_V3_FRAME
ZW_SWITCH_COLOR_GET_V3_FRAME
ZW_SWITCH_COLOR_REPORT_V3_FRAME
ZW_SWITCH_COLOR_SET_V3_VG
ZW_SWITCH_COLOR_SET_1BYTE_V3_FRAME
ZW_SWITCH_COLOR_SET_1BYTE_V3_FRAME
ZW_SWITCH_COLOR_SET_3BYTE_V3_FRAME
ZW_SWITCH_COLOR_SET_3BYTE_V3_FRAME
ZW_SWITCH_COLOR_SET_4BYTE_V3_FRAME
ZW_SWITCH_COLOR_SET_4BYTE_V3_FRAME
ZW_SWITCH_COLOR_START_LEVEL_CHANGE_V3_FRAME
ZW_SWITCH_COLOR_STOP_LEVEL_CHANGE_V3_FRAME
ZW_SWITCH_COLOR_STOP_LEVEL_CHANGE_V3_FRAME
**Command_class_Schedule */\
***Command_class_Schedule */\
***Command_class_Schedule */\
****
                                                                                                                                                                                                            ZW_SwitchColorSupportedGetV3Frame; \
                                                                                                                                                                                                            ZW_SwitchColorSupportedReportV3Frame; \
                                                                                                                                                                                                            ZW_SwitchColorGetV3Frame; \
                                                                                                                                                                                                            ZW_SwitchColorReportV3Frame;
VG_SwitchColorSetV3VGroup;\
                                                                                                                                                                                                            ZW SwitchColorSet1byteV3Frame; \
                                                                                                                                                                                                            ZW SwitchColorSet2byteV3Frame;
                                                                                                                                                                                                            ZW_SwitchColorSet3byteV3Frame; \
                                                                                                                                                                                                            ZW_SwitchColorSet4byteV3Frame;\
ZW_SwitchColorStartLevelChangeV3Frame;\
ZW_SwitchColorStopLevelChangeV3Frame;\
 /* Command class Schedule */
      Command class Schedule */\
ZW_SCHEDULE_SUPPORTED_GET_FRAME
VG_SCHEDULE_SUPPORTED_REPORT_VG
ZW_SCHEDULE_SUPPORTED_REPORT_1BYTE_FRAME
ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_FRAME
ZW_SCHEDULE_SUPPORTED_REPORT_3BYTE_FRAME
ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_FRAME
                                                                                                                                                                                                            ZW_ScheduleSupportedGetFrame; \
                                                                                                                                                                                                           VG_ScheduleSupportedReportVGroup;\
ZW_ScheduleSupportedReport1byteFrame;\
ZW_ScheduleSupportedReport2byteFrame;\
                                                                                                                                                                                                            ZW ScheduleSupportedReport3byteFrame;
                                                                                                                                                                                                            ZW ScheduleSupportedReport4byteFrame;
       VG_COMMAND_SCHEDULE_SET_1BYTE_VG
                                                                                                                                                                                                            VG_CommandScheduleSet1byteVGroup; \
      VG_COMMAND_SCHEDULE_SET_1BYTE_VG
VG_COMMAND_SCHEDULE_SET_2BYTE_VG
VG_COMMAND_SCHEDULE_SET_3BYTE_VG
VG_COMMAND_SCHEDULE_SET_4BYTE_VG
ZW_COMMAND_SCHEDULE_SET_1BYTE_FRAME
ZW_COMMAND_SCHEDULE_SET_2BYTE_FRAME
ZW_COMMAND_SCHEDULE_SET_3BYTE_FRAME
ZW_COMMAND_SCHEDULE_SET_4BYTE_FRAME
ZW_COMMAND_SCHEDULE_GET_FRAME
VG_COMMAND_SCHEDULE_REPORT_1BYTE_VG
VG_COMMAND_SCHEDULE_REPORT_2BYTE_VG
VG_COMMAND_SCHEDULE_REPORT_2BYTE_VG
                                                                                                                                                                                                            VG_CommandScheduleSet2byteVGroup;
                                                                                                                                                                                                           VG_CommandScheduleSet3byteVGroup; \
VG_CommandScheduleSet4byteVGroup; \
                                                                                                                                                                                                            ZW CommandScheduleSet1byteFrame;
                                                                                                                                                                                                            ZW_CommandScheduleSet2byteFrame;
                                                                                                                                                                                                            ZW_CommandScheduleSet3byteFrame;
                                                                                                                                                                                                            ZW_CommandScheduleSet4byteFrame; \
                                                                                                                                                                                                            ZW_CommandScheduleGetFrame;\
VG_CommandScheduleReport1byteVGroup;\
      VG_COMMAND_SCHEDULE_REPORT_2BYTE_VG
VG_COMMAND_SCHEDULE_REPORT_3BYTE_VG
                                                                                                                                                                                                            VG CommandScheduleReport2byteVGroup;
                                                                                                                                                                                                            VG_CommandScheduleReport3byteVGroup;
      VG COMMAND SCHEDULE REPORT 4BYTE VG
ZW COMMAND SCHEDULE REPORT 1BYTE FRAME
ZW COMMAND SCHEDULE REPORT 2BYTE FRAME
ZW COMMAND SCHEDULE REPORT 3BYTE FRAME
ZW COMMAND SCHEDULE REPORT 4BYTE FRAME
                                                                                                                                                                                                            VG_CommandScheduleReport4byteVGroup;\
                                                                                                                                                                                                            ZW_CommandScheduleReport1byteFrame; \
                                                                                                                                                                                                            ZW CommandScheduleReport2byteFrame;
                                                                                                                                                                                                            ZW_CommandScheduleReport3byteFrame; \
                                                                                                                                                                                                            ZW CommandScheduleReport4byteFrame; \
       ZW_SCHEDULE_REMOVE_FRAME
                                                                                                                                                                                                            ZW_ScheduleRemoveFrame; \
ZW_SCHEDULE_STATE_SET_FRAME
ZW_SCHEDULE_STATE_GET_FRAME
ZW_SCHEDULE_STATE_REPORT_FRAME
/* Command class Schedule V2 */\
                                                                                                                                                                                                            ZW_ScheduleStateSetFrame; \
                                                                                                                                                                                                            ZW ScheduleStateGetFrame; \
                                                                                                                                                                                                            ZW ScheduleStateReportFrame; \
     ZW_SCHEDULE_STATE_REPORT_FRAME

**Command_class_Schedule_V2 */\

ZW_SCHEDULE_SUPPORTED_GET_V2_FRAME

VG_SCHEDULE_SUPPORTED_REPORT_V2_VG

ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_V2_FRAME

ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_V2_FRAME

ZW_SCHEDULE_SUPPORTED_REPORT_3BYTE_V2_FRAME

ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_V2_FRAME

ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_V2_FRAME

ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_V2_VG

VG_COMMAND_SCHEDULE_SET_1BYTE_V2_VG

VG_COMMAND_SCHEDULE_SET_2BYTE_V2_VG

VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG

ZW_COMMAND_SCHEDULE_SET_1BYTE_V2_FRAME

ZW_COMMAND_SCHEDULE_SET_1BYTE_V2_FRAME

ZW_COMMAND_SCHEDULE_SET_3BYTE_V2_FRAME

ZW_COMMAND_SCHEDULE_SET_3BYTE_V2_FRAME

ZW_COMMAND_SCHEDULE_SET_4BYTE_V2_FRAME

ZW_COMMAND_SCHEDULE_SET_4BYTE_V2_VG

VG_COMMAND_SCHEDULE_REPORT_1BYTE_V2_VG

VG_COMMAND_SCHEDULE_REPORT_1BYTE_V2_VG

VG_COMMAND_SCHEDULE_REPORT_3BYTE_V2_VG

VG_COMMAND_SCHEDULE_REPORT_3BYTE_V2_VG

VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG

VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG

ZW_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG

ZW_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG

ZW_COMMAND_SCHEDULE_REPORT_1BYTE_V2_VG

ZW_COMMAND_SCH
                                                                                                                                                                                                            ZW_ScheduleSupportedGetV2Frame; \
                                                                                                                                                                                                            VG_ScheduleSupportedReportV2VGroup; \
                                                                                                                                                                                                            ZW_ScheduleSupportedReport1byteV2Frame;\
ZW_ScheduleSupportedReport2byteV2Frame;\
ZW_ScheduleSupportedReport3byteV2Frame;\
                                                                                                                                                                                                            ZW ScheduleSupportedReport4byteV2Frame; \
                                                                                                                                                                                                            VG CommandScheduleSet1byteV2VGroup;
                                                                                                                                                                                                            VG_CommandScheduleSet2byteV2VGroup; \
                                                                                                                                                                                                            VG_CommandScheduleSet3byteV2VGroup;\
VG_CommandScheduleSet4byteV2VGroup;\
ZW_CommandScheduleSet1byteV2Frame;\
                                                                                                                                                                                                            ZW CommandScheduleSet2byteV2Frame; \
                                                                                                                                                                                                            ZW_CommandScheduleSet3byteV2Frame;
                                                                                                                                                                                                            ZW_CommandScheduleSet4byteV2Frame; \
                                                                                                                                                                                                            ZW_CommandScheduleGetV2Frame; \
VG_CommandScheduleReport1byteV2VGroup; \
VG_CommandScheduleReport2byteV2VGroup; \
                                                                                                                                                                                                            VG CommandScheduleReport3byteV2VGroup;
                                                                                                                                                                                                            VG_CommandScheduleReport4byteV2VGroup;
      ZW_COMMAND_SCHEDULE_REPORT_1BYTE_V2_FRAME
ZW_COMMAND_SCHEDULE_REPORT_2BYTE_V2_FRAME
ZW_COMMAND_SCHEDULE_REPORT_3BYTE_V2_FRAME
ZW_COMMAND_SCHEDULE_REPORT_4BYTE_V2_FRAME
                                                                                                                                                                                                            ZW_CommandScheduleReport1byteV2Frame; \
                                                                                                                                                                                                            ZW_CommandScheduleReport2byteV2Frame;\
ZW_CommandScheduleReport3byteV2Frame;\
                                                                                                                                                                                                            ZW CommandScheduleReport4byteV2Frame; \
```

```
ZW SCHEDULE REMOVE V2 FRAME
                                                                                                                                                     ZW ScheduleRemoveV2Frame; \
    ZW_SCHEDULE_STATE_SET_V2_FRAME
ZW_SCHEDULE_STATE_SET_V2_FRAME
ZW_SCHEDULE_STATE_REPORT_V2_FRAME
* Command class Schedule V3 */\
                                                                                                                                                     ZW_ScheduleStateSetV2Frame; '
                                                                                                                                                     ZW ScheduleStateGetV2Frame;
                                                                                                                                                     ZW ScheduleStateReportV2Frame; \
     * Command class Schedule V3 */\
ZW_SCHEDULE_SUPPORTED_GET_V3_FRAME
VG_SCHEDULE_SUPPORTED_REPORT_V3_VG
ZW_SCHEDULE_SUPPORTED_REPORT_1BYTE_V3_FRAME
ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_V3_FRAME
ZW_SCHEDULE_SUPPORTED_REPORT_3BYTE_V3_FRAME
ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_V3_FRAME
ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_V3_VG
VG_COMMAND_SCHEDULE_SET_1BYTE_V3_VG
VG_COMMAND_SCHEDULE_SET_3BYTE_V3_VG
VG_COMMAND_SCHEDULE_SET_3BYTE_V3_VG
ZW_COMMAND_SCHEDULE_SET_4BYTE_V3_FRAME
ZW_COMMAND_SCHEDULE_SET_1BYTE_V3_FRAME
ZW_COMMAND_SCHEDULE_SET_3BYTE_V3_FRAME
ZW_COMMAND_SCHEDULE_SET_3BYTE_V3_FRAME
ZW_COMMAND_SCHEDULE_SET_3BYTE_V3_FRAME
ZW_COMMAND_SCHEDULE_SET_3BYTE_V3_FRAME
ZW_COMMAND_SCHEDULE_SET_4BYTE_V3_FRAME
ZW_COMMAND_SCHEDULE_SET_4BYTE_V3_FRAME
ZW_COMMAND_SCHEDULE_SET_4BYTE_V3_FRAME
ZW_COMMAND_SCHEDULE_SET_4BYTE_V3_FRAME
                                                                                                                                                     ZW ScheduleSupportedGetV3Frame; \
                                                                                                                                                     VG ScheduleSupportedReportV3VGroup; \
                                                                                                                                                     ZW_ScheduleSupportedReport1byteV3Frame; \
                                                                                                                                                     ZW_ScheduleSupportedReport2byteV3Frame; \
                                                                                                                                                     ZW_ScheduleSupportedReport3byteV3Frame; \
                                                                                                                                                     ZW_ScheduleSupportedReport4byteV3Frame; \
                                                                                                                                                     VG_CommandScheduleSet1byteV3VGroup;
                                                                                                                                                     VG CommandScheduleSet2byteV3VGroup;
                                                                                                                                                     VG_CommandScheduleSet3byteV3VGroup; \
                                                                                                                                                     VG_CommandScheduleSet4byteV3VGroup; \
                                                                                                                                                     ZW_CommandScheduleSet1byteV3Frame;\
ZW CommandScheduleSet2byteV3Frame;\
                                                                                                                                                     ZW_CommandScheduleSet3byteV3Frame; \
                                                                                                                                                     ZW_CommandScheduleSet4byteV3Frame; \
     ZW_COMMAND_SCHEDULE_GET_V3_FRAME
VG_COMMAND_SCHEDULE_REPORT_1BYTE_V3_VG
VG_COMMAND_SCHEDULE_REPORT_2BYTE_V3_VG
VG_COMMAND_SCHEDULE_REPORT_3BYTE_V3_VG
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG
                                                                                                                                                     ZW CommandScheduleGetV3Frame; \
                                                                                                                                                     VG_CommandScheduleReport1byteV3VGroup;\
                                                                                                                                                     VG_CommandScheduleReport2byteV3VGroup;\
                                                                                                                                                     VG CommandScheduleReport3byteV3VGroup; \
                                                                                                                                                     VG CommandScheduleReport4byteV3VGroup; \
      ZW COMMAND SCHEDULE REPORT 1BYTE V3 FRAME
                                                                                                                                                     ZW CommandScheduleReport1byteV3Frame; \
     ZW_COMMAND_SCHEDULE_REPORT_2BYTE_V3_FRAME
ZW_COMMAND_SCHEDULE_REPORT_3BYTE_V3_FRAME
ZW_COMMAND_SCHEDULE_REPORT_4BYTE_V3_FRAME
ZW_SCHEDULE_REMOVE_V3_FRAME
                                                                                                                                                     ZW_CommandScheduleReport2byteV3Frame; \
                                                                                                                                                     ZW_CommandScheduleReport3byteV3Frame;\
ZW_CommandScheduleReport4byteV3Frame;\
ZW_ScheduleRemoveV3Frame;\
      ZW_SCHEDULE_STATE_SET_V3_FRAME
ZW_SCHEDULE_STATE_GET_V3_FRAME
ZW_SCHEDULE_STATE_REPORT_V3_FRAME
                                                                                                                                                     ZW_ScheduleStateSetV3Frame; \
                                                                                                                                                     ZW_ScheduleStateGetV3Frame;
                                                                                                                                                     ZW_ScheduleStateReportV3Frame; \
 /* Command class Network Management Primary */\
ZW_CONTROLLER_CHANGE_FRAME
ZW_CONTROLLER_CHANGE_STATUS_1BYTE_FRAME
ZW_CONTROLLER_CHANGE_STATUS_2BYTE_FRAME
                                                                                                                                                     ZW ControllerChangeFrame; \
                                                                                                                                                     ZW ControllerChangeStatus1byteFrame; \
                                                                                                                                                     ZW ControllerChangeStatus2byteFrame; \
   ZW_CONTROLLER_CHANGE_STATUS_3BYTE_FRAME
ZW_CONTROLLER_CHANGE_STATUS_4BYTE_FRAME

(* Command class Zip Nd */\
ZW_ZIP_NODE_SOLICITATION_FRAME
ZW_ZIP_INV_NODE_SOLICITATION_FRAME
                                                                                                                                                     ZW_ControllerChangeStatus3byteFrame; \
                                                                                                                                                     ZW_ControllerChangeStatus4byteFrame; \
                                                                                                                                                     ZW ZipNodeSolicitationFrame; \
ZW ZIP NODE SOLICITATION FRAME
ZW ZIP INV NODE SOLICITATION FRAME
ZW ZIP NODE ADVERTISEMENT FRAME
/* CORMAND CLASS ASSOCIATION GROUP NAME REPORT 18YTE FRAME
ZW ASSOCIATION GROUP INFO GET FRAME
ZW ASSOCIATION GROUP INFO REPORT 18YTE FRAME
ZW ASSOCIATION GROUP COMMAND LIST REPORT 38YTE FRAME
ZW ASSOCIATION GROUP COMMAND LIST REPORT 38YTE FRAME
ZW ASSOCIATION GROUP COMMAND LIST REPORT 38YTE FRAME
ZW ASSOCIATION GROUP NAME REPORT 18YTE V2 FRAME
ZW ASSOCIATION GROUP INFO REPORT 18YTE V2 FRAME
ZW ASSOCIATION GROUP COMMAND LIST REPORT 18YTE V2 FRAME
ZW ASSOCIATION GROUP COMMAND LIST REPORT 18YTE V2 FRAME
ZW ASSOCIATION GROUP COMMAND LIST REPORT 18YTE V2 FRAME
ZW ASSOCIATION GROUP NAME REPORT 18YTE V3 FRAME
ZW ASSOCIATION GROUP NAME REPORT 18YTE V3 FRAME
ZW ASS
                                                                                                                                                     ZW ZipInvNodeSolicitationFrame; \
      ZW_ZIP_NODE_ADVERTISEMENT_FRAME
                                                                                                                                                     ZW ZipNodeAdvertisementFrame; \
                                                                                                                                                     ZW_AssociationGroupNameGetFrame; \
                                                                                                                                                     ZW_AssociationGroupNameReport1byteFrame;\
ZW_AssociationGroupNameReport2byteFrame;\
                                                                                                                                                     ZW AssociationGroupNameReport3byteFrame; \
                                                                                                                                                     ZW_AssociationGroupNameReport4byteFrame; \
                                                                                                                                                     ZW_AssociationGroupInfoGetFrame; \
                                                                                                                                                    VG_AssociationGroupInfoReportVGroup; \
ZW_AssociationGroupInfoReport1byteFrame; \
                                                                                                                                                     ZW_AssociationGroupInfoReport2byteFrame;\
ZW_AssociationGroupInfoReport3byteFrame;\
                                                                                                                                                     ZW_AssociationGroupInfoReport4byteFrame;
                                                                                                                                                     ZW_AssociationGroupCommandListGetFrame; \
                                                                                                                                                     ZW AssociationGroupCommandListReport2byteFrame;
                                                                                                                                                     ZW AssociationGroupCommandListReport3byteFrame; \
                                                                                                                                                     ZW_AssociationGroupCommandListReport4byteFrame; \
                                                                                                                                                     ZW_AssociationGroupNameGetV2Frame;
                                                                                                                                                     ZW_AssociationGroupNameReport1byteV2Frame; \
                                                                                                                                                     ZW_AssociationGroupNameReport2byteV2Frame;\ZW_AssociationGroupNameReport3byteV2Frame;\
                                                                                                                                                     ZW AssociationGroupNameReport4byteV2Frame; \
                                                                                                                                                     ZW_AssociationGroupInfoGetV2Frame; \
                                                                                                                                                     VG_AssociationGroupInfoReportV2VGroup; \
ZW_AssociationGroupInfoReport1byteV2Frame; \
                                                                                                                                                     ZW AssociationGroupInfoReport2byteV2Frame; \
                                                                                                                                                     ZW AssociationGroupInfoReport3byteV2Frame; \
                                                                                                                                                     ZW_AssociationGroupInfoReport4byteV2Frame;
                                                                                                                                                     ZW_AssociationGroupCommandListGetV2Frame; \
                                                                                                                                                     ZW_AssociationGroupCommandListReport1byteV2Frame;\ZW_AssociationGroupCommandListReport2byteV2Frame;\
                                                                                                                                                     ZW AssociationGroupCommandListReport3byteV2Frame;
                                                                                                                                                     ZW AssociationGroupCommandListReport4byteV2Frame;
                                                                                                                                                     ZW_AssociationGroupNameGetV3Frame;
                                                                                                                                                     ZW_AssociationGroupNameReport1byteV3Frame;\
ZW_AssociationGroupNameReport2byteV3Frame;\
                                                                                                                                                     ZW AssociationGroupNameReport3byteV3Frame; \
```

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ZW_ASSOCIATION_GROUP_INFO_GET_V3_FRAME
ZW_ASSOCIATION_GROUP_INFO_GET_V3_FRAME
VG_ASSOCIATION_GROUP_INFO_REPORT_V3_VG
ZW_ASSOCIATION_GROUP_INFO_REPORT_1BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_INFO_REPORT_1BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_INFO_REPORT_3BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_INFO_REPORT_3BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_GET_V3_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_1BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_2BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_2BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_2BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_ABYTE_V3_FRAME
ZW_CENTRAL_SCENE_SUPPORTED_GET_FRAME
ZW_CENTRAL_SCENE_SUPPORTED_GET_FRAME
ZW_CENTRAL_SCENE_SUPPORTED_REPORT_FRAME
ZW_CENTRAL_SCENE_NOTIFICATION_FRAME
       ZW ASSOCIATION GROUP NAME REPORT 4BYTE V3 FRAME
                                                                                                                                                                                                   ZW AssociationGroupNameReport4byteV3Frame; \
                                                                                                                                                                                                   ZW_AssociationGroupInfoGetV3Frame; \
                                                                                                                                                                                                   VG AssociationGroupInfoReportV3VGroup; \
                                                                                                                                                                                                  ZW_AssociationGroupInfoReport1byteV3Frame;\
ZW_AssociationGroupInfoReport2byteV3Frame;\
ZW_AssociationGroupInfoReport3byteV3Frame;\
                                                                                                                                                                                                   ZW AssociationGroupInfoReport4byteV3Frame;
                                                                                                                                                                                                   ZW_AssociationGroupCommandListGetV3Frame;
                                                                                                                                                                                                   ZW_AssociationGroupCommandListReport2byteV3Frame; \
                                                                                                                                                                                                   ZW_AssociationGroupCommandListReport3byteV3Frame; \
                                                                                                                                                                                                   ZW AssociationGroupCommandListReport4byteV3Frame; \
                                                                                                                                                                                                   ZW DeviceResetLocallyNotificationFrame; \
                                                                                                                                                                                                  \begin{tabular}{ll} $ZW\_CentralSceneSupportedGetFrame; $$ \\ ZW\_CentralSceneSupportedReportFrame; $$ \\ ZW\_CentralSceneNotificationFrame; $$ \\ \end{tabular}
       ZW_CENTRAL_SCENE_NOTIFICATION_FRAME
  /* Command class Central Scene V2 */
     * Command class Central Scene V2 */\
ZW_CENTRAL_SCENE_SUPPORTED_GET_V2_FRAME
VG_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V2_VG
VG_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V2_VG
VG_CENTRAL_SCENE_SUPPORTED_REPORT_3BYTE_V2_VG
VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_VG
ZW_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V2_FRAME
ZW_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V2_FRAME
ZW_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V2_FRAME
ZW_CENTRAL_SCENE_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_FRAME
ZW_CENTRAL_SCENE_NOTIFICATION_V2_FRAME
ZW_CENTRAL_SCENE_NOTIFICATION_V2_FRAME
ZW_CENTRAL_SCENE_NOTIFICATION_V2_FRAME
                                                                                                                                                                                                   ZW_CentralSceneSupportedGetV2Frame; \
                                                                                                                                                                                                  VG_CentralSceneSupportedReport1byteV2VGroup;\VG_CentralSceneSupportedReport2byteV2VGroup;\VG_CentralSceneSupportedReport3byteV2VGroup;\
                                                                                                                                                                                                   VG CentralSceneSupportedReport4byteV2VGroup; \
                                                                                                                                                                                                   ZW CentralSceneSupportedReport1byteV2Frame; \
                                                                                                                                                                                                   ZW_CentralSceneSupportedReport2byteV2Frame; \
                                                                                                                                                                                                  ZW_CentralSceneSupportedReport3byteV2Frame;\
ZW_CentralSceneSupportedReport4byteV2Frame;\
ZW_CentralSceneNotificationV2Frame;\
  /* Command class Central Scene V3 */
       ZW_CENTRAL_SCENE_SUPPORTED_GET_V3_FRAME
VG_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V3_VG
                                                                                                                                                                                                   ZW_CentralSceneSupportedGetV3Frame; \
                                                                                                                                                                                                  Zw_centralsceneSupportedReport1byteV3VGroup;\
VG_CentralSceneSupportedReport2byteV3VGroup;\
VG_CentralSceneSupportedReport3byteV3VGroup;\
VG_CentralSceneSupportedReport4byteV3VGroup;\
      VG_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V3_VG
VG_CENTRAL_SCENE_SUPPORTED_REPORT_3BYTE_V3_VG
VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_VG
ZW_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V3_FRAME
                                                                                                                                                                                                   ZW CentralSceneSupportedReport1byteV3Frame;
       ZW_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V3_FRAME
                                                                                                                                                                                                   ZW_CentralSceneSupportedReport2byteV3Frame; \
       ZW_CENTRAL_SCENE_SUPPORTED_REPORT_3BYTE_V3_FRAME ZW_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_FRAME
                                                                                                                                                                                                   ZW_CentralSceneSupportedReport3byteV3Frame; \
                                                                                                                                                                                                  ZW_CentralSceneSupportedReport4DyteV3Frame;\
ZW_CentralSceneNotificationV3Frame;\
ZW_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_FRAM
ZW_CENTRAL_SCENE_NOTIFICATION_V3_FRAME
ZW_CENTRAL_SCENE_CONFIGURATION_SET_V3_FRAME
ZW_CENTRAL_SCENE_CONFIGURATION_REPORT_V3_FRAME
ZW_CENTRAL_SCENE_CONFIGURATION_REPORT_V3_FRAME
/* Command class Ip Association */\
ZW_IP_ASSOCIATION_SET_FRAME
ZW_IP_ASSOCIATION_GET_FRAME
ZW_IP_ASSOCIATION_GET_FRAME
                                                                                                                                                                                                   ZW CentralSceneConfigurationSetV3Frame; \
                                                                                                                                                                                                   ZW_CentralSceneConfigurationGetV3Frame;
                                                                                                                                                                                                   ZW CentralSceneConfigurationReportV3Frame; \
                                                                                                                                                                                                  ZW_IpAssociationSetFrame; \
ZW IpAssociationGetFrame; \
       ZW_IP_ASSOCIATION_REPORT_FRAME
ZW_IP_ASSOCIATION_REMOVE_FRAME
                                                                                                                                                                                                   ZW IpAssociationReportFrame; \
                                                                                                                                                                                                   ZW IpAssociationRemoveFrame; \
ZW_IP_ASSOCIATION_REMOVE_FRAME
/* Command class Antitheft */\
ZW_ANTITHEFT_SET_1BYTE_FRAME
ZW_ANTITHEFT_SET_2BYTE_FRAME
ZW_ANTITHEFT_SET_3BYTE_FRAME
ZW_ANTITHEFT_SET_4BYTE_FRAME
ZW_ANTITHEFT_GET_FRAME
ZW_ANTITHEFT_REPORT_1BYTE_FRAME
ZW_ANTITHEFT_REPORT_2BYTE_FRAME
ZW_ANTITHEFT_REPORT_3BYTE_FRAME
ZW_ANTITHEFT_REPORT_3BYTE_FRAME
ZW_ANTITHEFT_REPORT_4BYTE_FRAME
ZW_ANTITHEFT_REPORT_4BYTE_FRAME
ZW_ANTITHEFT_REPORT_4BYTE_FRAME
ZW_ANTITHEFT_REPORT_4BYTE_FRAME
ZW_ANTITHEFT_REPORT_4BYTE_FRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRAME_TRA
                                                                                                                                                                                                   ZW AntitheftSet1byteFrame; \
                                                                                                                                                                                                  ZW AntitheftSet2byteFrame; \
                                                                                                                                                                                                   ZW AntitheftSet3byteFrame; \
                                                                                                                                                                                                   ZW AntitheftSet4byteFrame; \
                                                                                                                                                                                                   ZW_AntitheftGetFrame; \
                                                                                                                                                                                                   ZW_AntitheftReport1byteFrame; \
                                                                                                                                                                                                  ZW_AntitheftReport2byteFrame; \
ZW_AntitheftReport3byteFrame; \
                                                                                                                                                                                                   ZW AntitheftReport4byteFrame;
  /* Command class Antitheft V2 */\
      * Command class Antitheft V2 */\
ZW_ANTITHEFT_SET_1BYTE_V2_FRAME
ZW_ANTITHEFT_SET_2BYTE_V2_FRAME
ZW_ANTITHEFT_SET_3BYTE_V2_FRAME
ZW_ANTITHEFT_SET_V2_FRAME
ZW_ANTITHEFT_SET_V2_FRAME
ZW_ANTITHEFT_REPORT_1BYTE_V2_FRAME
ZW_ANTITHEFT_REPORT_3BYTE_V2_FRAME
ZW_ANTITHEFT_REPORT_3BYTE_V2_FRAME
ZW_ANTITHEFT_REPORT_3BYTE_V2_FRAME
ZW_ANTITHEFT_REPORT_3BYTE_V2_FRAME
ZW_ANTITHEFT_REPORT_JBYTE_V2_FRAME
ZW_ANTITHEFT_REPORT_JBYTE_V2_FRAME
ZW_ANTITHEFT_REPORT_JBYTE_V2_FRAME
ZW_ANTITHEFT_REPORT_JBYTE_V2_FRAME
ZW_ANTITHEFT_REPORT_JBYTE_V2_FRAME
                                                                                                                                                                                                   ZW AntitheftSet1byteV2Frame; \
                                                                                                                                                                                                  ZW_AntitheftSet2byteV2Frame;\
ZW_AntitheftSet3byteV2Frame;\
ZW_AntitheftSet4byteV2Frame;\
                                                                                                                                                                                                   ZW AntitheftGetV2Frame; \
                                                                                                                                                                                                   ZW AntitheftReport1byteV2Frame; \
                                                                                                                                                                                                   ZW_AntitheftReport2byteV2Frame; \
                                                                                                                                                                                                   ZW_AntitheftReport3byteV2Frame; \
                                                                                                                                                                                                  ZW_AntitheftReport4byteV2Frame;\
  /* Command class Zwaveplus Info
       ZW_ZWAVEPLUS_INFO_GET_FRAME
                                                                                                                                                                                                   ZW ZwaveplusInfoGetFrame; \
       ZW_ZWAVEPLUS_INFO_REPORT_FRAME
                                                                                                                                                                                                   ZW_ZwaveplusInfoReportFrame; \
 /* Command class Zwaveplus Info V2 */\
ZW_ZWAVEPLUS_INFO_GET_V2_FRAME
ZW_ZWAVEPLUS_INFO_REPORT_V2_FRAME
/* Command class Zip Gateway */\
                                                                                                                                                                                                   ZW_ZwaveplusInfoGetV2Frame; \
                                                                                                                                                                                                   ZW_ZwaveplusInfoReportV2Frame; \
       ZW_GATEWAY_MODE_SET_FRAME
ZW_GATEWAY_MODE_GET_FRAME
                                                                                                                                                                                                   ZW GatewayModeSetFrame; \
                                                                                                                                                                                                   ZW_GatewayModeGetFrame; \
       ZW GATEWAY MODE REPORT FRAME
ZW GATEWAY PEER SET 1BYTE FRAME
ZW GATEWAY PEER SET 2BYTE FRAME
ZW GATEWAY PEER SET 3BYTE FRAME
                                                                                                                                                                                                   ZW_GatewayModeReportFrame; \
                                                                                                                                                                                                  ZW_GatewayPeerSet1byteFrame;\
ZW_GatewayPeerSet2byteFrame;\
                                                                                                                                                                                                   ZW GatewayPeerSet3byteFrame; \
```

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ZW GATEWAY PEER SET 4BYTE FRAME
                                                                                                                                                        ZW GatewayPeerSet4byteFrame; \
     ZW_GATEWAY_PEER_GET_FRAME
ZW_GATEWAY_PEER_REPORT_1BYTE_FRAME
                                                                                                                                                        ZW_GatewayPeerGetFrame; \
                                                                                                                                                        ZW GatewayPeerReport1byteFrame; \
    ZW GATEWAY PEER REPORT 2BYTE FRAME
ZW GATEWAY PEER REPORT 3BYTE FRAME
ZW GATEWAY PEER REPORT 4BYTE FRAME
ZW GATEWAY LOCK SET FRAME
                                                                                                                                                        ZW_GatewayPeerReport2byteFrame;\
ZW_GatewayPeerReport3byteFrame;\
ZW_GatewayPeerReport4byteFrame;\
                                                                                                                                                        ZW GatewayLockSetFrame; \
     ZW_UNSOLICITED_DESTINATION_SET_FRAME
                                                                                                                                                        ZW_UnsolicitedDestinationSetFrame; \
     ZW_UNSOLICITED_DESTINATION_GET_FRAME
ZW_UNSOLICITED_DESTINATION_REPORT_FRAME
                                                                                                                                                        ZW_UnsolicitedDestinationGetFrame; \
                                                                                                                                                        ZW_UnsolicitedDestinationReportFrame;\
ZW_CommandApplicationNodeInfoSet1byteFrame;\
    ZW_UNSOLICITED_DESTINATION_REPORT_FRAME
ZW_COMMAND_APPLICATION_NODE_INFO_SET_1BYTE_FRAME
ZW_COMMAND_APPLICATION_NODE_INFO_SET_2BYTE_FRAME
ZW_COMMAND_APPLICATION_NODE_INFO_SET_3BYTE_FRAME
ZW_COMMAND_APPLICATION_NODE_INFO_SET_4BYTE_FRAME
ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_1BYTE_FRAME
ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_2BYTE_FRAME
ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_3BYTE_FRAME
ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_4BYTE_FRAME
ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_4BYTE_FRAME
*COMMAND_APPLICATION_NODE_INFO_REPORT_4BYTE_FRAME
*COMMAND_APPLICATION_NODE_INFO_REPORT_4BYTE_FRAME
*COMMAND_APPLICATION_NODE_INFO_REPORT_4BYTE_FRAME
*COMMAND_APPLICATION_NODE_INFO_REPORT_4BYTE_FRAME
*COMMAND_APPLICATION_NODE_INFO_REPORT_4BYTE_FRAME
*COMMAND_APPLICATION_NODE_INFO_REPORT_4BYTE_FRAME
                                                                                                                                                        ZW_CommandApplicationNodeInfoSet2byteFrame;
                                                                                                                                                        ZW CommandApplicationNodeInfoSet3byteFrame;
                                                                                                                                                        ZW_CommandApplicationNodeInfoSet4byteFrame; \
                                                                                                                                                        ZW_CommandApplicationNodeInfoGetFrame; \
                                                                                                                                                        ZW_CommandApplicationNodeInfoReport1byteFrame;\
ZW_CommandApplicationNodeInfoReport2byteFrame;\
                                                                                                                                                        ZW_CommandApplicationNodeInfoReport3byteFrame;
                                                                                                                                                        ZW_CommandApplicationNodeInfoReport4byteFrame; \
 /* Command class Zip Portal */\
    COMMUNICATION CLASS ZID FORTAL */\
ZW_GATEWAY_CONFIGURATION_SET_FRAME
ZW_GATEWAY_CONFIGURATION_SET_FRAME
ZW_GATEWAY_CONFIGURATION_REPORT_FRAME
ZW_GATEWAY_CONFIGURATION_REPORT_FRAME
                                                                                                                                                        ZW_GatewayConfigurationSetFrame;\
ZW_GatewayConfigurationStatusFrame;\
                                                                                                                                                        ZW GatewayConfigurationGetFrame;
                                                                                                                                                        ZW GatewayConfigurationReportFrame; \
 /* Command class Dmx */\
    ZW_DMX_ADDRESS_SET_FRAME
ZW_DMX_ADDRESS_GET_FRAME
ZW_DMX_ADDRESS_REPORT_FRAME
ZW_DMX_CAPABILITY_GET_FRAME
                                                                                                                                                        ZW_DmxAddressSetFrame; \
                                                                                                                                                        ZW_DmxAddressGetFrame; \
                                                                                                                                                        ZW DmxAddressReportFrame; \
                                                                                                                                                        ZW DmxCapabilityGetFrame;
    ZW_DMX_CAPABILITY_REPORT_FRAME
ZW_DMX_DATA_1BYTE_FRAME
ZW_DMX_DATA_2BYTE_FRAME
ZW_DMX_DATA_3BYTE_FRAME
ZW_DMX_DATA_4BYTE_FRAME
                                                                                                                                                        ZW_DmxCapabilityReportFrame; \
                                                                                                                                                        ZW_DmxData1byteFrame; \
                                                                                                                                                        ZW_DmxData2byteFrame; \
                                                                                                                                                        ZW_DmxData3byteFrame; \
                                                                                                                                                        ZW DmxData4byteFrame;
      Command class Barrier Operator */\
     ZW BARRIER OPERATOR SET FRAME
                                                                                                                                                        ZW BarrierOperatorSetFrame; \
     ZW_BARRIER_OPERATOR_GET_FRAME
                                                                                                                                                        ZW_BarrierOperatorGetFrame; \
ZW_BARRIER_OPERATOR_GET_FRAME
ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_GET_FRAME
ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT_1BYTE_FRAME
ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT_2BYTE_FRAME
ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT_2BYTE_FRAME
ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT_3BYTE_FRAME
ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT_4BYTE_FRAME
ZW_BARRIER_OPERATOR_SIGNAL_SET_FRAME
ZW_BARRIER_OPERATOR_SIGNAL_GET_FRAME
ZW_BARRIER_OPERATOR_SIGNAL_REPORT_FRAME
ZW_BARRIER_OPERATOR_SIGNAL_REPORT_FRAME
ZW_BARRIER_OPERATOR_SIGNAL_REPORT_FRAME
ZW_BARRIER_OPERATOR_SIGNAL_REPORT_FRAME
ZW_SAST_WORKING_ROUTE_SET_FRAME
                                                                                                                                                        ZW_BarrierOperatorReportFrame; \
                                                                                                                                                        ZW_BarrierOperatorSignalSupportedGetFrame;\
ZW_BarrierOperatorSignalSupportedReport1byteFrame;\
                                                                                                                                                        ZW BarrierOperatorSignalSupportedReport2byteFrame;
                                                                                                                                                        ZW_BarrierOperatorSignalSupportedReport3byteFrame; \
                                                                                                                                                        ZW_BarrierOperatorSignalSupportedReport4byteFrame; \
                                                                                                                                                        ZW_BarrierOperatorSignalSetFrame; \
                                                                                                                                                        ZW_BarrierOperatorSignalGetFrame;\
ZW_BarrierOperatorSignalReportFrame;\
   * Command class Network Management I
ZW_LAST_WORKING_ROUTE_SET_FRAME
ZW_LAST_WORKING_ROUTE_GET_FRAME
ZW_LAST_WORKING_ROUTE_REPORT_FRAME
ZW_STATISTICS_GET_FRAME
VG_STATISTICS_REPORT_1BYTE_VG
VG_STATISTICS_REPORT_3BYTE_VG
VG_STATISTICS_REPORT_3BYTE_VG
VG_STATISTICS_REPORT_4BYTE_VG
ZW_STATISTICS_REPORT_1BYTE_FRAME
ZW_STATISTICS_REPORT_1BYTE_FRAME
ZW_STATISTICS_REPORT_1BYTE_FRAME
ZW_STATISTICS_REPORT_3BYTE_FRAME
ZW_STATISTICS_REPORT_3BYTE_FRAME
ZW_STATISTICS_CLEAR_FRAME
* Command_class_Zip_Naming_*/\
                                                                                                                                                        ZW_LastWorkingRouteSetFrame; \
                                                                                                                                                        ZW_LastWorkingRouteGetFrame; \
                                                                                                                                                        ZW_LastWorkingRouteReportFrame;\
ZW_StatisticsGetFrame;\
                                                                                                                                                        VG_StatisticsReport1byteVGroup;\
                                                                                                                                                        VG StatisticsReport2byteVGroup;
                                                                                                                                                        VG_StatisticsReport3byteVGroup;\
                                                                                                                                                        VG_StatisticsReport4byteVGroup; \
                                                                                                                                                        ZW_StatisticsReport1byteFrame; \
                                                                                                                                                        ZW_StatisticsReport2byteFrame; \
ZW_StatisticsReport3byteFrame; \
                                                                                                                                                        ZW_StatisticsReport4byteFrame; \
                                                                                                                                                        ZW StatisticsClearFrame; \
ZW_STATISTICS_CLEAR_FRAME

/* Command class Zip Naming */\
ZW_ZIP_NAMING_NAME_SET_1BYTE_FRAME
ZW_ZIP_NAMING_NAME_SET_2BYTE_FRAME
ZW_ZIP_NAMING_NAME_SET_3BYTE_FRAME
ZW_ZIP_NAMING_NAME_SET_4BYTE_FRAME
ZW_ZIP_NAMING_NAME_GET_FRAME
ZW_ZIP_NAMING_NAME_REPORT_1BYTE_FRAME
ZW_ZIP_NAMING_NAME_REPORT_2BYTE_FRAME
ZW_ZIP_NAMING_NAME_REPORT_3BYTE_FRAME
ZW_ZIP_NAMING_NAME_REPORT_4BYTE_FRAME
ZW_ZIP_NAMING_NAME_REPORT_4BYTE_FRAME
ZW_ZIP_NAMING_NAME_REPORT_4BYTE_FRAME
ZW_ZIP_NAMING_NAME_REPORT_4BYTE_FRAME
ZW_ZIP_NAMING_NAME_REPORT_4BYTE_FRAME
ZW_ZIP_NAMING_NAME_REPORT_4BYTE_FRAME
ZW_ZIP_NAMING_NAME_REPORT_4BYTE_FRAME
                                                                                                                                                        ZW ZipNamingNameSet1byteFrame; \
                                                                                                                                                        ZW_ZipNamingNameSet2byteFrame; \
ZW_ZipNamingNameSet3byteFrame; \
                                                                                                                                                        ZW ZipNamingNameSet4byteFrame; \
                                                                                                                                                        ZW_ZipNamingNameGetFrame; \
                                                                                                                                                        ZW_ZipNamingNameReport1byteFrame;\
ZW_ZipNamingNameReport2byteFrame;\
                                                                                                                                                        ZW ZipNamingNameReport3byteFrame;
                                                                                                                                                        ZW ZipNamingNameReport4byteFrame; \
  ZW ZIP NAMING NAME REPORT 4BYTE FRAME
ZW ZIP NAMING LOCATION SET LBYTE FRAME
ZW ZIP NAMING LOCATION SET ZBYTE FRAME
ZW ZIP NAMING LOCATION SET 3BYTE FRAME
ZW ZIP NAMING LOCATION SET 4BYTE FRAME
ZW ZIP NAMING LOCATION GET FRAME
ZW ZIP NAMING LOCATION GET FRAME
ZW ZIP NAMING LOCATION REPORT 1BYTE FRAME
ZW ZIP NAMING LOCATION REPORT 2BYTE FRAME
ZW ZIP NAMING LOCATION REPORT 3BYTE FRAME
ZW ZIP NAMING LOCATION REPORT 4BYTE FRAME
ZW ZIP NAMING LOCATION REPORT 4BYTE FRAME
ZW ZIP NAMING LOCATION GET FRAME
XW ZIP NAMING LOCATION GET FRAME
                                                                                                                                                        ZW_ZipNamingLocationSet1byteFrame; \
                                                                                                                                                        ZW_ZipNamingLocationSet2byteFrame; \
                                                                                                                                                        ZW_ZipNamingLocationSet3byteFrame;\
ZW_ZipNamingLocationSet4byteFrame;\
ZW_ZipNamingLocationGetFrame;\
                                                                                                                                                        ZW ZipNamingLocationReport1byteFrame; \
                                                                                                                                                        ZW_ZipNamingLocationReport2byteFrame;
                                                                                                                                                        ZW_ZipNamingLocationReport3byteFrame; \
                                                                                                                                                        ZW_ZipNamingLocationReport4byteFrame; \
                                                                                                                                                        ZW MailboxConfigurationGetFrame; \
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ZW MAILBOX CONFIGURATION SET FRAME
                                                                                                                                                                                     ZW MailboxConfigurationSetFrame; \
      ZW_MAILBOX_CONFIGURATION_REPORT_FRAME
ZW_MAILBOX_QUEUE_1BYTE_FRAME
                                                                                                                                                                                     ZW_MailboxConfigurationReportFrame; \
                                                                                                                                                                                     ZW MailboxQueuelbyteFrame;
      ZW_MAILBOX_QUEUE_2BYTE_FRAME
ZW_MAILBOX_QUEUE_3BYTE_FRAME
ZW_MAILBOX_QUEUE_4BYTE_FRAME
ZW_MAILBOX_WAKEUP_NOTIFICATION_FRAME
                                                                                                                                                                                     ZW_MailboxQueue2byteFrame;\
ZW_MailboxQueue3byteFrame;\
                                                                                                                                                                                     ZW MailboxQueue4byteFrame; \
                                                                                                                                                                                     ZW MailboxWakeupNotificationFrame; \
       ZW_MAILBOX_NODE_FAILING_FRAME
                                                                                                                                                                                     ZW MailboxNodeFailingFrame;
 ZW_MAILBOX_NODE_FAILING_FRAME

/* Command class Window Covering */\
ZW_WINDOW_COVERING_SUPPORTED_GET_FRAME
ZW_WINDOW_COVERING_SUPPORTED_REPORT_1BYTE_FRAME
ZW_WINDOW_COVERING_SUPPORTED_REPORT_2BYTE_FRAME
ZW_WINDOW_COVERING_SUPPORTED_REPORT_3BYTE_FRAME
ZW_WINDOW_COVERING_SUPPORTED_REPORT_4BYTE_FRAME
ZW_WINDOW_COVERING_SUPPORTED_REPORT_4BYTE_FRAME
                                                                                                                                                                                     ZW_WindowCoveringSupportedGetFrame;\
ZW_WindowCoveringSupportedReport1byteFrame;\
                                                                                                                                                                                     ZW WindowCoveringSupportedReport2byteFrame; \
                                                                                                                                                                                     ZW WindowCoveringSupportedReport3byteFrame; \
                                                                                                                                                                                     ZW_WindowCoveringSupportedReport4byteFrame; \
ZW WINDOW COVERING SUPPORTED REPORT 4BYTE FI
ZW WINDOW COVERING GET FRAME
ZW WINDOW COVERING SET FRAME
VG WINDOW COVERING SET UG
ZW WINDOW COVERING SET 1BYTE FRAME
ZW WINDOW COVERING SET 3BYTE FRAME
ZW WINDOW COVERING SET 3BYTE FRAME
ZW WINDOW COVERING SET 4BYTE FRAME
ZW WINDOW COVERING SET 4BYTE FRAME
ZW WINDOW COVERING STOP LEVEL CHANGE FRAME
                                                                                                                                                                                     ZW_WindowCoveringGetFrame; \
                                                                                                                                                                                     ZW_WindowCoveringReportFrame; \
VG WindowCoveringSetVGroup; \
                                                                                                                                                                                     ZW_WindowCoveringSet1byteFrame; \
                                                                                                                                                                                     ZW_WindowCoveringSet2byteFrame;
                                                                                                                                                                                     ZW WindowCoveringSet3byteFrame; \
                                                                                                                                                                                     ZW_WindowCoveringSet4byteFrame;\
ZW_WindowCoveringStartLevelChangeFrame;\
                                                                                                                                                                                     ZW_WindowCoveringStopLevelChangeFrame; \
       ZW SECURITY 2 NONCE GET FRAME
                                                                                                                                                                                     ZW Security2NonceGetFrame; \
      ZW SECURITY 2 NONCE REPORT FRAME
VG SECURITY 2 MESSAGE ENCAPSULATION 1BYTE VG
VG SECURITY 2 MESSAGE ENCAPSULATION 2BYTE VG
VG SECURITY 2 MESSAGE ENCAPSULATION 3BYTE VG
                                                                                                                                                                                     ZW_Security2NonceReportFrame; \
                                                                                                                                                                                     VG_Security2MessageEncapsulation1byteVGroup; \
VG_Security2MessageEncapsulation2byteVGroup; \
VG_Security2MessageEncapsulation3byteVGroup; \
      VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG
ZW_SECURITY_2_MESSAGE_ENCAPSULATION_1BYTE_FRAME
ZW_SECURITY_2_MESSAGE_ENCAPSULATION_2BYTE_FRAME
ZW_SECURITY_2_MESSAGE_ENCAPSULATION_3BYTE_FRAME
ZW_SECURITY_2_MESSAGE_ENCAPSULATION_3BYTE_FRAME
                                                                                                                                                                                     VG_Security2MessageEncapsulation4byteVGroup;\
                                                                                                                                                                                     ZW_Security2MessageEncapsulation1byteFrame;
                                                                                                                                                                                     ZW_Security2MessageEncapsulation2byteFrame; \
                                                                                                                                                                                     ZW_Security2MessageEncapsulation3byteFrame;\
ZW_Security2MessageEncapsulation4byteFrame;\
      ZW_KEX_GET_FRAME
ZW_KEX_REPORT_FRAME
                                                                                                                                                                                     ZW KexGetFrame; \
                                                                                                                                                                                     ZW KexReportFrame;
       ZW_KEX_SET_FRAME
                                                                                                                                                                                     ZW_KexSetFrame; \
      ZW_KEX_FAIL_FRAME
ZW_PUBLIC_KEY_REPORT_1BYTE_FRAME
ZW_PUBLIC_KEY_REPORT_2BYTE_FRAME
ZW_PUBLIC_KEY_REPORT_3BYTE_FRAME
                                                                                                                                                                                     ZW_KexFailFrame; \
                                                                                                                                                                                     ZW_PublicKeyReport1byteFrame;\
ZW_PublicKeyReport2byteFrame;\
                                                                                                                                                                                     ZW PublicKeyReport3byteFrame; \
#define ZW_FRAME_COLLECTION_MACRO5\
ZW_PUBLIC_KEY_REPORT_4BYTE_FRAME
ZW_SECURITY_2_NETWORK_KEY_GET_FRAME
ZW_SECURITY_2_NETWORK_KEY_GET_FRAME
ZW_SECURITY_2_NETWORK_KEY_VERIFY_FRAME
ZW_SECURITY_2_NETWORK_KEY_VERIFY_FRAME
ZW_SECURITY_2_COMMANDS_SUPPORTED_GET_FRAME
ZW_SECURITY_2_COMMANDS_SUPPORTED_REPORT_1BYTE_FRAME
ZW_SECURITY_2_COMMANDS_SUPPORTED_REPORT_2BYTE_FRAME
ZW_SECURITY_2_COMMANDS_SUPPORTED_REPORT_3BYTE_FRAME
ZW_SECURITY_2_COMMANDS_SUPPORTED_REPORT_3BYTE_FRAME
ZW_SECURITY_2_CAPABILITIES_GET_FRAME
ZW_SECURITY_2_CAPABILITIES_FRAME
ZW_SECURITY_2_CAPABILITIES_REPORT_FRAME
ZW_SECURITY_2_CAPABILITIES_REPORT_FRAME
ZW_SECURITY_2_CAPABILITIES_REPORT_FRAME
ZW_SECURITY_2_CAPABILITIES_REPORT_FRAME
ZW_SECURITY_2_CAPABILITIES_REPORT_FRAME
                                                                                                                                                                                    ZW_PublicKeyReport4byteFrame;\
ZW_Security2NetworkKeyGetFrame;\
ZW_Security2NetworkKeyReportFrame;
                                                                                                                                                                                     ZW Security2NetworkKeyVerifyFrame; \
                                                                                                                                                                                     ZW_Security2TransferEndFrame; \
                                                                                                                                                                                     ZW_Security2CommandsSupportedGetFrame; \
                                                                                                                                                                                     ZW_Security2CommandsSupportedReport1byteFrame;\
ZW_Security2CommandsSupportedReport2byteFrame;\
                                                                                                                                                                                     ZW_Security2CommandsSupportedReport3byteFrame; \
                                                                                                                                                                                     ZW Security2CommandsSupportedReport4byteFrame; \
                                                                                                                                                                                     ZW_Security2CapabilitiesGetFrame; \
                                                                                                                                                                                     ZW_Security2CapabilitiesReportFrame; \
 /* Command class Irrigation */\
ZW_IRRIGATION_SYSTEM_INFO_GET_FRAME
ZW_IRRIGATION_SYSTEM_INFO_REPORT_FRAME
    ZW_IRRIGATION_SYSTEM_INFO_GET_FRAME
ZW_IRRIGATION_SYSTEM_INFO_REPORT_FRAME
ZW_IRRIGATION_SYSTEM_STATUS_GET_FRAME
ZW_IRRIGATION_SYSTEM_STATUS_REPORT_1BYTE_FRAME
ZW_IRRIGATION_SYSTEM_STATUS_REPORT_2BYTE_FRAME
ZW_IRRIGATION_SYSTEM_STATUS_REPORT_3BYTE_FRAME
ZW_IRRIGATION_SYSTEM_STATUS_REPORT_4BYTE_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_SET_1BYTE_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_SET_3BYTE_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_SET_3BYTE_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_SET_4BYTE_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_SET_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_1BYTE_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_3BYTE_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_3BYTE_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_3BYTE_FRAME
ZW_IRRIGATION_VALVE_INFO_GET_FRAME
ZW_IRRIGATION_VALVE_ONFIG_SET_3BYTE_FRAME
ZW_IRRIGATION_VALVE_CONFIG_SET_3BYTE_FRAME
ZW_IRRIGATION_VALVE_CONFIG_REPORT_1BYTE_FRAME
                                                                                                                                                                                     ZW_IrrigationSystemInfoGetFrame; \
                                                                                                                                                                                     ZW IrrigationSystemInfoReportFrame; \
                                                                                                                                                                                     ZW_IrrigationSystemStatusGetFrame; \
                                                                                                                                                                                     ZW_IrrigationSystemStatusReport1byteFrame; \
                                                                                                                                                                                     ZW_IrrigationSystemStatusReport2byteFrame;\
ZW_IrrigationSystemStatusReport3byteFrame;\
                                                                                                                                                                                     ZW_IrrigationSystemStatusReport4byteFrame;\
ZW_IrrigationSystemConfigSet1byteFrame;\
                                                                                                                                                                                     ZW IrrigationSystemConfigSet2byteFrame;
                                                                                                                                                                                     ZW_IrrigationSystemConfigSet3byteFrame; \
                                                                                                                                                                                     ZW_IrrigationSystemConfigSet4byteFrame;\
ZW_IrrigationSystemConfigGetFrame;\
ZW_IrrigationSystemConfigReport1byteFrame;\
                                                                                                                                                                                     ZW IrrigationSystemConfigReport2byteFrame; \
                                                                                                                                                                                     ZW_IrrigationSystemConfigReport3byteFrame; \
                                                                                                                                                                                     ZW_IrrigationSystemConfigReport4byteFrame; \
                                                                                                                                                                                    ZW_IrrigationValveInfoGetFrame;\
ZW_IrrigationValveInfoReportFrame;\
ZW_IrrigationValveConfigSet1byteFrame;\
                                                                                                                                                                                     ZW IrrigationValveConfigSet2byteFrame;
                                                                                                                                                                                     ZW_IrrigationValveConfigSet3byteFrame;
                                                                                                                                                                                    ZW_IrrigationValveConfigSet4byteFrame;\
ZW_IrrigationValveConfigGetFrame;\
ZW_IrrigationValveConfigReport1byteFrame;\
                                                                                                                                                                                     ZW IrrigationValveConfigReport2byteFrame; \
```

```
ZW_IRRIGATION_VALVE_CONFIG_REPORT_3BYTE_FRAME
ZW_IRRIGATION_VALVE_RUN_FRAME
ZW_IRRIGATION_VALVE_RUN_FRAME
VG_IRRIGATION_VALVE_TABLE_SET_UG
ZW_IRRIGATION_VALVE_TABLE_SET_1BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_SET_1BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_SET_3BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_SET_3BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_SET_4BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_GET_FRAME
ZW_IRRIGATION_VALVE_TABLE_REPORT_UG
ZW_IRRIGATION_VALVE_TABLE_REPORT_1BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_REPORT_3BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_REPORT_3BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_REPORT_4BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_RUN_1BYTE_FRAME
      ZW IRRIGATION VALVE CONFIG REPORT 3BYTE FRAME
                                                                                                                                                          ZW IrrigationValveConfigReport3byteFrame; \
                                                                                                                                                          ZW_IrrigationValveConfigReport4byteFrame; \
                                                                                                                                                          ZW IrrigationValveRunFrame;
                                                                                                                                                         VG_IrrigationValveTableSetVGroup;\
ZW_IrrigationValveTableSet1byteFrame;\
                                                                                                                                                          ZW IrrigationValveTableSet2byteFrame;
                                                                                                                                                          ZW IrrigationValveTableSet3byteFrame; \
                                                                                                                                                          ZW_IrrigationValveTableSet4byteFrame;\
                                                                                                                                                          ZW_IrrigationValveTableGetFrame; \
                                                                                                                                                          VG_IrrigationValveTableReportVGroup;\
                                                                                                                                                         ZW IrrigationValveTableReport1byteFrame; \
                                                                                                                                                          ZW IrrigationValveTableReport2byteFrame;
                                                                                                                                                          ZW IrrigationValveTableReport3byteFrame;
                                                                                                                                                          ZW_IrrigationValveTableReport4byteFrame; \
                                                                                                                                                          ZW_IrrigationValveTableRun1byteFrame; \
                                                                                                                                                         ZW_IrrigationValveTableRun2byteFrame;\
ZW_IrrigationValveTableRun3byteFrame;\
                                                                                                                                                          ZW_IrrigationValveTableRun4byteFrame; \
                                                                                                                                                          ZW_IrrigationSystemShutoffFrame; \
 /* Command class Supervision */
/* Command class Supervision */\
ZW_SUPERVISION_GET_FRAME
ZW_SUPERVISION_REPORT_FRAME
/* Command class Humidity Control Setpoint */\
ZW_HUMIDITY_CONTROL_SETPOINT_SET_1BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPOINT_SET_2BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPOINT_SET_3BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPOINT_SET_4BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPOINT_GET_FRAME
ZW_HUMIDITY_CONTROL_SETPOINT_REPORT_1BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPOINT_REPORT_1BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPOINT_REPORT_2BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPOINT_REPORT_2BYTE_FRAME
                                                                                                                                                          ZW_SupervisionGetFrame; \
                                                                                                                                                          ZW SupervisionReportFrame; \
                                                                                                                                                          ZW HumidityControlSetpointSet1byteFrame; \
                                                                                                                                                          ZW HumidityControlSetpointSet2byteFrame;
                                                                                                                                                          ZW_HumidityControlSetpointSet3byteFrame;
                                                                                                                                                         ZW_HumidityControlSetpointSet4byteFrame;\
ZW_HumidityControlSetpointGetFrame;\
ZW_HumidityControlSetpointReport1byteFrame;\
     ZW HUMIDITY CONTROL SETPOINT REPORT 2BYTE FRAME ZW HUMIDITY_CONTROL SETPOINT REPORT 3BYTE FRAME ZW_HUMIDITY_CONTROL_SETPOINT_REPORT_4BYTE_FRAME
                                                                                                                                                          ZW_HumidityControlSetpointReport2byteFrame;
                                                                                                                                                          ZW_HumidityControlSetpointReport3byteFrame;
                                                                                                                                                          ZW_HumidityControlSetpointReport4byteFrame; \
     ZW_HUMIDITY_CONTROL_SETPOINT_SUPPORTED_GET_FRAME
ZW_HUMIDITY_CONTROL_SETPOINT_SUPPORTED_REPORT_FRAME
ZW_HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET_FRAME
ZW_HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_REPORT_FRAME
                                                                                                                                                          \begin{tabular}{ll} ZW\_HumidityControlSetpointSupportedGetFrame; $$ ZW\_HumidityControlSetpointSupportedReportFrame; $$ \end{tabular} 
                                                                                                                                                          ZW HumidityControlSetpointScaleSupportedGetFrame; \
ZW_HumidityControlSetpointScaleSupportedReportFrame; \
ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET_FRAME
ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_1BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_2BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_2BYTE_FRAME
                                                                                                                                                          ZW_HumidityControlSetpointCapabilitiesGetFrame; \
 ZW_HumidityControlSetpointCapabilitiesReport2byteFrame;
      ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_3BYTE_FRAME
ZW_HumidityControlSetpointCapabilitiesReport3byteFrame;
ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_4BYTE_FRAME ZW_HumidityControlSetpointCapabilitiesReport4byteFrame; \
     Command class Humidity Control Mode */
ZW_HUMIDITY_CONTROL_MODE_SET_FRAME
                                                                                                                                                          ZW_HumidityControlModeSetFrame;
 ZW_HUMIDITY_CONTROL_MODE_GET_FRAME
ZW_HUMIDITY_CONTROL_MODE_REPORT_FRAME
ZW_HUMIDITY_CONTROL_MODE_SUPPORTED_GET_FRAME
ZW_HUMIDITY_CONTROL_MODE_SUPPORTED_REPORT_FRAME
ZW_HUMIDITY_CONTROL_MODE_SUPPORTED_REPORT_FRAME
/* Command_class_Humidity_Control_Operating_State */\
                                                                                                                                                          ZW_HumidityControlModeGetFrame; \
                                                                                                                                                          ZW_HumidityControlModeReportFrame; \
                                                                                                                                                          ZW_HumidityControlModeSupportedGetFrame; \
                                                                                                                                                          ZW HumidityControlModeSupportedReportFrame; \
      ZW_HUMIDITY_CONTROL_OPERATING_STATE_GET_FRAME
                                                                                                                                                          ZW_HumidityControlOperatingStateGetFrame; \
   ZW_HUMIDITY_CONTROL_OPERATING_STATE_GET_FRAME

** Command class Entry Control */\
ZW_ENTRY_CONTROL_NOTIFICATION_1BYTE_FRAME
ZW_ENTRY_CONTROL_NOTIFICATION_2BYTE_FRAME
                                                                                                                                                          ZW_HumidityControlOperatingStateReportFrame; \
                                                                                                                                                          ZW EntryControlNotification1byteFrame;
                                                                                                                                                          ZW EntryControlNotification2byteFrame; \
     ZW ENTRY CONTROL NOTIFICATION 2BYTE FRAME
ZW ENTRY CONTROL NOTIFICATION 3BYTE FRAME
ZW ENTRY CONTROL KEY SUPPORTED GET FRAME
ZW ENTRY CONTROL KEY SUPPORTED REPORT 1BYTE FRAME
ZW ENTRY CONTROL KEY SUPPORTED REPORT 2BYTE FRAME
ZW ENTRY CONTROL KEY SUPPORTED REPORT 3BYTE FRAME
ZW ENTRY CONTROL KEY SUPPORTED REPORT 4BYTE FRAME
ZW ENTRY CONTROL KEY SUPPORTED REPORT 4BYTE FRAME
                                                                                                                                                          ZW_EntryControlNotification3byteFrame; \
                                                                                                                                                          ZW_EntryControlNotification4byteFrame; \
                                                                                                                                                          ZW_EntryControlKeySupportedGetFrame; \
                                                                                                                                                          ZW_EntryControlKeySupportedReport1byteFrame; \
                                                                                                                                                          ZW_EntryControlKeySupportedReport2byteFrame; \
                                                                                                                                                          ZW EntryControlKeySupportedReport3byteFrame; \
                                                                                                                                                          ZW EntryControlKeySupportedReport4byteFrame; \
ZW_ENTRY_CONTROL_KEY_SUPPORTED_REPORT_4BYTE_FRAME
ZW_ENTRY_CONTROL_EVENT_SUPPORTED_GET_FRAME
ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_1BYTE_FRAME
ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_2BYTE_FRAME
ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_3BYTE_FRAME
ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_4BYTE_FRAME
ZW_ENTRY_CONTROL_CONFIGURATION_SET_FRAME
ZW_ENTRY_CONTROL_CONFIGURATION_GET_FRAME
ZW_ENTRY_CONTROL_CONFIGURATION_REPORT_FRAME
/* Command class Inclusion Controller */\
ZW_INITIATE_FRAME
                                                                                                                                                          ZW_EntryControlEventSupportedGetFrame; \
                                                                                                                                                         ZW_EntryControlEventSupportedReport1byteFrame;\
ZW_EntryControlEventSupportedReport2byteFrame;\
ZW_EntryControlEventSupportedReport3byteFrame;\
                                                                                                                                                          ZW EntryControlEventSupportedReport4byteFrame; \
                                                                                                                                                          ZW_EntryControlConfigurationSetFrame;
                                                                                                                                                          ZW_EntryControlConfigurationGetFrame;
                                                                                                                                                          ZW_EntryControlConfigurationReportFrame; \
      ZW INITIATE FRAME
                                                                                                                                                          ZW InitiateFrame; \
      ZW COMPLETE FRAME
                                                                                                                                                          ZW CompleteFrame; \
/******* Basic Device Class identifiers ********** #define BASIC_TYPE_CONTROLLER
                                                                                                                                                                                                                         0x01 /*Node is a portable
controller *
```

```
#define BASIC TYPE ROUTING SLAVE
                                                                                                                          0x04 /*Node is a slave
with routing capabilities*/
#define BASIC_TYPE_SLAVE
                                                                                                                          0x03 /*Node is a slave*/
#define BASIC_TYPE_STATIC_CONTROLLER
                                                                                                                          0x02 /*Node is a static
controller*/
/**** Generic and Specific Device Class identifiers *****/
/* Device class Av Control Point */
#define GENERIC_TYPE_AV_CONTROL_POINT
                                                                                                                          0x03 /*AV Control Point*/
#define SPECIFIC_TYPE_NOT_USED
                                                                                                                          0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_DOORBELL
#define SPECIFIC_TYPE_SATELLITE_RECEIVER
                                                                                                                          0x12
                                                                                                                          0x04 /*Satellite
Receiver*/
#define SPECIFIC_TYPE_SATELLITE_RECEIVER_V2
                                                                                                                          0x11 /*Satellite Receiver
/* Device class Display */
#define GENERIC_TYPE_DISPLAY
#define SPECIFIC_TYPE_NOT_USED
Class Not Used*/
                                                                                                                          0x04
                                                                                                                          0x00 /*Specific Device
#define SPECIFIC_TYPE_SIMPLE_DISPLAY
                                                                                                                          0x01 /*Display (simple)
Device Type*/
/* Device class Entry Control */
#define GENERIC TYPE ENTRY CONTROL
#define SPECIFIC TYPE NOT USED
Class Not Used*/
                                                                                                                          0x40 /*Entry Control*/
                                                                                                                          0x00 /*Specific Device
#define SPECIFIC_TYPE_DOOR_LOCK
#define SPECIFIC_TYPE_ADVANCED_DOOR_LOCK
                                                                                                                          0x01 /*Door Lock*/
                                                                                                                          0x02 /*Advanced Door
Lock*/
#define SPECIFIC_TYPE_SECURE_KEYPAD_DOOR_LOCK
-lever) Device Type*/
#define SPECIFIC_TYPE_SECURE_KEYPAD_DOOR_LOCK_DEADBOLT
- deadbolt) Device Type*/
                                                                                                                          0x03 /*Door Lock (keypad
                                                                                                                          0x04 /*Door Lock (keypad
#define SPECIFIC_TYPE_SECURE_DOOR
                                                                                                                          0x05 /*Barrier Operator
#define SPECIFIC_TYPE_SECURE_GATE
Specific Device Class*/
#define SPECIFIC_TYPE_SECURE_BARRIER_ADDON
                                                                                                                          0x06 /*Barrier Operator
                                                                                                                          0x07 /*Barrier Operator
Specific Device Class*
#define SPECIFIC_TYPE_SECURE_BARRIER_OPEN_ONLY
Specific Device Class*/
                                                                                                                          0x08 /*Barrier Operator
#define SPECIFIC_TYPE_SECURE_BARRIER_CLOSE_ONLY
Specific Device Class*/
                                                                                                                          0x09 /*Barrier Operator
#define SPECIFIC_TYPE_SECURE_LOCKBOX
#define SPECIFIC_TYPE_SECURE_KEYPAD
                                                                                                                          0x0A /*SDS12724*/
                                                                                                                          0x0B
/* Device class Generic Controller */
#define GENERIC_TYPE_GENERIC_CONTROLLER
                                                                                                                          0x01 /*Remote
Controller*/
#define SPECIFIC_TYPE_NOT_USED
                                                                                                                          0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_PORTABLE_REMOTE_CONTROLLER
                                                                                                                          0x01 /*Remote Control
(Multi Purpose) Device Type*/
#define SPECIFIC_TYPE_PORTABLE_SCENE_CONTROLLER
                                                                                                                          0x02 /*Portable Scene
Controller*/
#define SPECIFIC_TYPE_PORTABLE_INSTALLER_TOOL
#define SPECIFIC_TYPE_REMOTE_CONTROL_AV
(AV) Device Type*/
                                                                                                                          0x04 /*Remote Control
#define SPECIFIC_TYPE_REMOTE_CONTROL_SIMPLE (Simple) Device Type*/
                                                                                                                          0x06 /*Remote Control
/* Device class Meter */
#define GENERIC_TYPE_METER
#define SPECIFIC_TYPE_NOT_USED
Class Not Used*/
                                                                                                                          0x31 /*Meter*/
                                                                                                                          0x00 /*Specific Device
#define SPECIFIC TYPE SIMPLE METER
                                                                                                                          0x01 /*Sub Energy Meter
Device Type*/
#define SPECIFIC_TYPE_ADV_ENERGY_CONTROL

Meter (Advanced) Device Type*/

#define SPECIFIC_TYPE_WHOLE_HOME_METER_SIMPLE
(Simple) Device Type*/
                                                                                                                          0x02 /*Whole Home Energy
                                                                                                                          0x03 /*Whole Home Meter
/* Device class Meter Pulse */
#define GENERIC_TYPE_METER_PULSE
                                                                                                                          0x30 /*Pulse Meter*/
#define SPECIFIC_TYPE_NOT_USED
Class Not Used*/
                                                                                                                          0x00 /*Specific Device
/* Device class Non Interoperable */
```

```
#define GENERIC TYPE NON INTEROPERABLE
                                                                                                                                                    0xFF /*Non
interoperable*/
#define SPECIFIC_TYPE_NOT_USED
                                                                                                                                                    0x00 /*Specific Device
Class Not Used*/
 /* Device class Repeater Slave */
#define GENERIC TYPE REPEATER SLAVE
                                                                                                                                                    0x0F /*Repeater Slave*/
#define SPECIFIC_TYPE_NOT_USED
                                                                                                                                                    0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC TYPE REPEATER SLAVE
                                                                                                                                                    0x01 /*Basic Repeater
Slave*/
#define SPECIFIC TYPE VIRTUAL NODE
                                                                                                                                                    0x02
/* Device class Security Panel */
#define GENERIC_TYPE_SECURITY_PANEL
#define SPECIFIC_TYPE_NOT_USED
Class Not Used*/
                                                                                                                                                    0x17
                                                                                                                                                    0x00 /*Specific Device
#define SPECIFIC_TYPE_ZONED_SECURITY_PANEL
                                                                                                                                                    0x01
/* Device class Semi Interoperable */
                                                                                                                                                    0x50 /*Semi
#define GENERIC_TYPE_SEMI_INTEROPERABLE
Interoperable*/
#define SPECIFIC_TYPE_NOT_USED
                                                                                                                                                    0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC TYPE ENERGY PRODUCTION
                                                                                                                                                    0x01 /*Energy
Production*/
/* Device class Sensor Alarm */
#define GENERIC_TYPE_SENSOR_ALARM
                                                                                                                                                    0xA1
#define SPECIFIC_TYPE_NOT_USED
                                                                                                                                                    0x00 /*Specific Device
#define SPECIFIC_TYPE_NOT_USED

Class Not Used*/

#define SPECIFIC_TYPE_ADV_ZENSOR_NET_ALARM_SENSOR

#define SPECIFIC_TYPE_ADV_ZENSOR_NET_SMOKE_SENSOR

#define SPECIFIC_TYPE_BASIC_ROUTING_ALARM_SENSOR

#define SPECIFIC_TYPE_BASIC_ROUTING_SMOKE_SENSOR

#define SPECIFIC_TYPE_BASIC_ZENSOR_NET_ALARM_SENSOR

#define SPECIFIC_TYPE_BASIC_ZENSOR_NET_ALARM_SENSOR

#define SPECIFIC_TYPE_ROUTING_ALARM_SENSOR

#define SPECIFIC_TYPE_ROUTING_SMOKE_SENSOR

#define SPECIFIC_TYPE_ROUTING_SMOKE_SENSOR

#define SPECIFIC_TYPE_ZENSOR_NET_ALARM_SENSOR

#define SPECIFIC_TYPE_ZENSOR_NET_SMOKE_SENSOR

#define SPECIFIC_TYPE_ZENSOR_NET_SMOKE_SENSOR

#define SPECIFIC_TYPE_ZENSOR_NET_SMOKE_SENSOR
                                                                                                                                                    0x05
                                                                                                                                                    0x0A
                                                                                                                                                    0x01
                                                                                                                                                    0x06
                                                                                                                                                    0x03
                                                                                                                                                    0x08
                                                                                                                                                    0x02
                                                                                                                                                    0 \times 0.7
                                                                                                                                                    0x04
                                                                                                                                                    0x09
#define SPECIFIC_TYPE_ALARM_SENSOR
                                                                                                                                                    0x0B /*Sensor (Alarm)
Device Type*/
/* Device class Sensor Binary */
#define GENERIC_TYPE_SENSOR_BINARY
#define SPECIFIC_TYPE_NOT_USED
Class Not Used*/
                                                                                                                                                    0x20 /*Binary Sensor*/
                                                                                                                                                    0x00 /*Specific Device
#define SPECIFIC_TYPE_ROUTING_SENSOR_BINARY
                                                                                                                                                    0x01 /*Routing Binary
Sensor*/
/* Device class Sensor Multilevel */
#define GENERIC_TYPE_SENSOR_MULTILEVEL
                                                                                                                                                    0x21 /*Multilevel
Sensor*/
#define SPECIFIC_TYPE_NOT_USED Class Not Used*/
                                                                                                                                                    0x00 /*Specific Device
#define SPECIFIC_TYPE_ROUTING_SENSOR_MULTILEVEL (Multilevel) Device Type*/
                                                                                                                                                    0x01 /*Sensor
#define SPECIFIC_TYPE_CHIMNEY_FAN
                                                                                                                                                    0x02
/* Device class Static Controller */
#define GENERIC_TYPE_STATIC_CONTROLLER
                                                                                                                                                    0x02 /*Static
Controller*/
#define SPECIFIC_TYPE_NOT_USED
                                                                                                                                                    0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_PC_CONTROLLER
                                                                                                                                                    0x01 /*Central Controller
Device Type*/
#define SPECIFIC_TYPE_SCENE_CONTROLLER
#define SPECIFIC_TYPE_STATIC_INSTALLER_TOOL
#define SPECIFIC_TYPE_SET_TOP_BOX
                                                                                                                                                    0x02 /*Scene Controller*/
                                                                                                                                                    0x03
                                                                                                                                                    0x04 /*Set Top Box Device
#define SPECIFIC_TYPE_SUB_SYSTEM_CONTROLLER
                                                                                                                                                    0x05 /*Sub System
Controller Device Type*/
#define SPECIFIC_TYPE_TV
#define SPECIFIC_TYPE_GATEWAY
                                                                                                                                                    0x06 /*TV Device Type*/
                                                                                                                                                    0x07 /*Gateway Device
/* Device class Switch Binary */
#define GENERIC_TYPE_SWITCH_BINARY
#define SPECIFIC_TYPE_NOT_USED
                                                                                                                                                    0x10 /*Binary Switch*/
0x00 /*Specific Device
Class Not Used*/
```

#define SPECIFIC_TYPE_POWER_SWITCH_BINARY	0x01 /*On/Off Power
Switch Device Type*/ #define SPECIFIC_TYPE_SCENE_SWITCH_BINARY	0x03 /*Binary Scene
Switch*/ #define SPECIFIC_TYPE_POWER_STRIP	0x04 /*Power Strip Device
Type*/ #define SPECIFIC_TYPE_SIREN	0x05 /*Siren Device
Type*/ #define SPECIFIC_TYPE_VALVE_OPEN_CLOSE	0x06 /*Valve (open/close)
Device Type*/ #define SPECIFIC TYPE COLOR TUNABLE BINARY	0x02
#define SPECIFIC_TYPE_IRRIGATION_CONTROLLER	0x07
/* Device class Switch Multilevel */ #define GENERIC TYPE SWITCH MULTILEVEL	0x11 /*Multilevel
Switch*/ #define SPECIFIC TYPE NOT USED	0x00 /*Specific Device
Class Not Used*/	-
#define SPECIFIC_TYPE_CLASS_A_MOTOR_CONTROL Position/Endpoint Device Type*/	0x05 /*Window Covering No
#define SPECIFIC_TYPE_CLASS_B_MOTOR_CONTROL Endpoint Aware Device Type*/	0x06 /*Window Covering
#define SPECIFIC_TYPE_CLASS_C_MOTOR_CONTROL Position/Endpoint Aware Device Type*/	0x07 /*Window Covering
#define SPECIFIC_TYPE_MOTOR_MULTIPOSITION Motor*/	0x03 /*Multiposition
#define SPECIFIC_TYPE_POWER_SWITCH_MULTILEVEL Switch Device Type*/	0x01 /*Light Dimmer
#define SPECIFIC_TYPE_SCENE_SWITCH_MULTILEVEL	0x04 /*Multilevel Scene
Switch*/ #define SPECIFIC_TYPE_FAN_SWITCH	0x08 /*Fan Switch Device
Type*/ #define SPECIFIC_TYPE_COLOR_TUNABLE_MULTILEVEL	0x02
/* Device class Switch Remote */	
#define GENERIC_TYPE_SWITCH_REMOTE #define SPECIFIC TYPE NOT USED	0x12 /*Remote Switch*/ 0x00 /*Specific Device
Class Not Used*/ #define SPECIFIC TYPE SWITCH REMOTE BINARY	0x01 /*Binary Remote
Switch*/	onor, Binary Remote
#dofing CDECTETC TVDE CWITCH DEMOTE MILITIEVET	$0 \times 0 = /*M \times 1 + i \times 1 = 0 \times 0 = 0$
#define SPECIFIC_TYPE_SWITCH_REMOTE_MULTILEVEL Switch*/	0x02 /*Multilevel Remote
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/	0x03 /*Binary Toggle
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY	
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define GENERIC_TYPE_SWITCH_TOGGLE	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define GENERIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_NOT_USED Class Not Used*/	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device
Switch*/ #define SPECIFIC TYPE SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define GENERIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY Switch*/	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device 0x01 /*Binary Toggle
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define GENERIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define GENERIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY Switch*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_MULTILEVEL Switch*/ /* Device class Thermostat */	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device 0x01 /*Binary Toggle 0x02 /*Multilevel Toggle
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define GENERIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY Switch*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_MULTILEVEL Switch*/ /* Device class Thermostat */ #define GENERIC_TYPE_THERMOSTAT #define SPECIFIC_TYPE_NOT_USED	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device 0x01 /*Binary Toggle
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define GENERIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY Switch*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_MULTILEVEL Switch*/ /* Device class Thermostat */ #define GENERIC_TYPE_THERMOSTAT #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SETBACK_SCHEDULE_THERMOSTAT	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device 0x01 /*Binary Toggle 0x02 /*Multilevel Toggle 0x08 /*Thermostat*/
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define GENERIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY Switch*/ /* Device class Thermostat */ #define GENERIC_TYPE_THERMOSTAT #define SPECIFIC_TYPE_NOT_USED Class Not Used*/	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device 0x01 /*Binary Toggle 0x02 /*Multilevel Toggle 0x08 /*Thermostat*/ 0x00 /*Specific Device
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define GENERIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY Switch*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_MULTILEVEL Switch*/ /* Device class Thermostat */ #define GENERIC_TYPE_THERMOSTAT #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SETBACK_SCHEDULE_THERMOSTAT Thermostat*/	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device 0x01 /*Binary Toggle 0x02 /*Multilevel Toggle 0x08 /*Thermostat*/ 0x00 /*Specific Device 0x03 /*Setback Schedule
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define GENERIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY Switch*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_MULTILEVEL Switch*/ /* Device class Thermostat */ #define GENERIC_TYPE_THERMOSTAT #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SETBACK_SCHEDULE_THERMOSTAT Thermostat*/ #define SPECIFIC_TYPE_SETBACK_THERMOSTAT (Setback) Device_Type*/	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device 0x01 /*Binary Toggle 0x02 /*Multilevel Toggle 0x08 /*Thermostat*/ 0x00 /*Specific Device 0x03 /*Setback Schedule 0x05 /*Thermostat
Switch*/ #define SPECIFIC TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define GENERIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY Switch*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_MULTILEVEL Switch*/ /* Device class Thermostat */ #define GENERIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SETBACK_SCHEDULE_THERMOSTAT Thermostat*/ #define SPECIFIC_TYPE_SETBACK_THERMOSTAT (Setback) Device Type*/ #define SPECIFIC_TYPE_SETPOINT_THERMOSTAT #define SPECIFIC_TYPE_THERMOSTAT_GENERAL #define SPECIFIC_TYPE_THERMOSTAT_GENERAL #define SPECIFIC_TYPE_THERMOSTAT_GENERAL_V2	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device 0x01 /*Binary Toggle 0x02 /*Multilevel Toggle 0x08 /*Thermostat*/ 0x00 /*Specific Device 0x03 /*Setback Schedule 0x05 /*Thermostat 0x04
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define GENERIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY Switch*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY Switch*/ /* Device class Thermostat */ #define SPECIFIC_TYPE_SWITCH_TOGGLE_MULTILEVEL Switch*/ /* Device class Thermostat */ #define SPECIFIC_TYPE_THERMOSTAT #define SPECIFIC_TYPE_SETBACK_SCHEDULE_THERMOSTAT Thermostat*/ #define SPECIFIC_TYPE_SETBACK_THERMOSTAT (Setback) Device Type*/ #define SPECIFIC_TYPE_SETPOINT_THERMOSTAT General*/ #define SPECIFIC_TYPE_THERMOSTAT_GENERAL General*/ #define SPECIFIC_TYPE_THERMOSTAT_GENERAL_V2 Device Type*/ #define SPECIFIC_TYPE_THERMOSTAT_HEATING	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device 0x01 /*Binary Toggle 0x02 /*Multilevel Toggle 0x08 /*Thermostat*/ 0x00 /*Specific Device 0x03 /*Setback Schedule 0x05 /*Thermostat 0x04 0x02 /*Thermostat
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define GENERIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY Switch*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_MULTILEVEL Switch*/ /* Device class Thermostat */ #define SPECIFIC_TYPE_SWITCH_TOGGLE_MULTILEVEL Switch*/ /* Device class Thermostat */ #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SETBACK_SCHEDULE_THERMOSTAT Thermostat*/ #define SPECIFIC_TYPE_SETBACK_THERMOSTAT (Setback) Device Type*/ #define SPECIFIC_TYPE_THERMOSTAT_GENERAL General*/ #define SPECIFIC_TYPE_THERMOSTAT_GENERAL General*/ #define SPECIFIC_TYPE_THERMOSTAT_GENERAL_V2 Device Type*/ #define SPECIFIC_TYPE_THERMOSTAT_HEATING Heating*/	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device 0x01 /*Binary Toggle 0x02 /*Multilevel Toggle 0x08 /*Thermostat*/ 0x00 /*Specific Device 0x03 /*Setback Schedule 0x05 /*Thermostat 0x04 0x02 /*Thermostat 0x06 /*Thermostat (HVAC)
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define GENERIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY Switch*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_MULTILEVEL Switch*/ /* Device class Thermostat */ #define SPECIFIC_TYPE_THERMOSTAT #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SETBACK_SCHEDULE_THERMOSTAT Thermostat*/ #define SPECIFIC_TYPE_SETBACK_THERMOSTAT (Setback) Device Type*/ #define SPECIFIC_TYPE_THERMOSTAT_GENERAL General*/ #define SPECIFIC_TYPE_THERMOSTAT_GENERAL General*/ #define SPECIFIC_TYPE_THERMOSTAT_GENERAL #define SPECIFIC_TYPE_THERMOSTAT_GENERAL_V2 Device Type*/ #define SPECIFIC_TYPE_THERMOSTAT_HEATING Heating*/ /* Device class Ventilation */ #define GENERIC_TYPE_WENTILATION	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device 0x01 /*Binary Toggle 0x02 /*Multilevel Toggle 0x08 /*Thermostat*/ 0x00 /*Specific Device 0x03 /*Setback Schedule 0x05 /*Thermostat 0x04 0x02 /*Thermostat 0x06 /*Thermostat 0x06 /*Thermostat 0x01 /*Thermostat
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define SPECIFIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY Switch*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_MULTILEVEL Switch*/ /* Device class Thermostat */ #define SPECIFIC_TYPE_THERMOSTAT #define SPECIFIC_TYPE_SETBACK_SCHEDULE_THERMOSTAT Thermostat*/ #define SPECIFIC_TYPE_SETBACK_SCHEDULE_THERMOSTAT Thermostat*/ #define SPECIFIC_TYPE_SETBACK_THERMOSTAT #define SPECIFIC_TYPE_SETPOINT_THERMOSTAT #define SPECIFIC_TYPE_SETPOINT_THERMOSTAT #define SPECIFIC_TYPE_THERMOSTAT_GENERAL General*/ #define SPECIFIC_TYPE_THERMOSTAT_GENERAL_V2 Device Type*/ #define SPECIFIC_TYPE_THERMOSTAT_HEATING Heating*/ /* Device class Ventilation */ #define SPECIFIC_TYPE_VENTILATION #define SPECIFIC_TYPE_NOT_USED Class Not Used*/	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device 0x01 /*Binary Toggle 0x02 /*Multilevel Toggle 0x08 /*Thermostat*/ 0x00 /*Specific Device 0x03 /*Setback Schedule 0x05 /*Thermostat 0x04 0x02 /*Thermostat 0x04 /*Thermostat 0x06 /*Thermostat 0x07 /*Thermostat 0x08 /*Thermostat 0x09 /*Thermostat 0x09 /*Thermostat 0x09 /*Thermostat
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define GENERIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY Switch*/ /* Device class Thermostat */ #define SPECIFIC_TYPE_SWITCH_TOGGLE_MULTILEVEL Switch*/ /* Device class Thermostat */ #define GENERIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SETBACK_SCHEDULE_THERMOSTAT Thermostat*/ #define SPECIFIC_TYPE_SETBACK_THERMOSTAT (Setback) Device Type*/ #define SPECIFIC_TYPE_SETPOINT_THERMOSTAT #define SPECIFIC_TYPE_SETPOINT_THERMOSTAT #define SPECIFIC_TYPE_THERMOSTAT_GENERAL General*/ #define SPECIFIC_TYPE_THERMOSTAT_GENERAL_V2 Device_Type*/ #define SPECIFIC_TYPE_THERMOSTAT_HEATING Heating*/ /* Device class_Ventilation */ #define_GENERIC_TYPE_VENTILATION #define_SPECIFIC_TYPE_NOT_USED	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device 0x01 /*Binary Toggle 0x02 /*Multilevel Toggle 0x08 /*Thermostat*/ 0x00 /*Specific Device 0x03 /*Setback Schedule 0x05 /*Thermostat 0x04 0x02 /*Thermostat 0x06 /*Thermostat 0x06 /*Thermostat 0x01 /*Thermostat
Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY Remote Switch*/ #define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL Remote Switch*/ /* Device class Switch Toggle */ #define SPECIFIC_TYPE_SWITCH_TOGGLE #define SPECIFIC_TYPE_NOT_USED Class Not Used*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY Switch*/ #define SPECIFIC_TYPE_SWITCH_TOGGLE_MULTILEVEL Switch*/ /* Device class Thermostat */ #define SPECIFIC_TYPE_THERMOSTAT #define SPECIFIC_TYPE_SETBACK_SCHEDULE_THERMOSTAT Thermostat*/ #define SPECIFIC_TYPE_SETBACK_SCHEDULE_THERMOSTAT Thermostat*/ #define SPECIFIC_TYPE_SETBACK_THERMOSTAT #define SPECIFIC_TYPE_SETPOINT_THERMOSTAT #define SPECIFIC_TYPE_SETPOINT_THERMOSTAT #define SPECIFIC_TYPE_THERMOSTAT_GENERAL General*/ #define SPECIFIC_TYPE_THERMOSTAT_GENERAL_V2 Device Type*/ #define SPECIFIC_TYPE_THERMOSTAT_HEATING Heating*/ /* Device class Ventilation */ #define SPECIFIC_TYPE_VENTILATION #define SPECIFIC_TYPE_NOT_USED Class Not Used*/	0x03 /*Binary Toggle 0x04 /*Multilevel Toggle 0x13 /*Toggle Switch*/ 0x00 /*Specific Device 0x01 /*Binary Toggle 0x02 /*Multilevel Toggle 0x08 /*Thermostat*/ 0x00 /*Specific Device 0x03 /*Setback Schedule 0x05 /*Thermostat 0x04 0x02 /*Thermostat 0x04 /*Thermostat 0x06 /*Thermostat 0x07 /*Thermostat 0x08 /*Thermostat 0x09 /*Thermostat 0x09 /*Thermostat 0x09 /*Thermostat

```
#define SPECIFIC TYPE NOT USED
                                                                                                            0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_SIMPLE_WINDOW_COVERING
                                                                                                            0x01 /*Simple Window
Covering Control*/
/* Device class Zip Node */
#define GENERIC TYPE ZIP NODE
#define SPECIFIC_TYPE_NOT_USED
                                                                                                            0x00 /*Specific Device
Class Not Used*/
Class Not Used //
#define SPECIFIC_TYPE_ZIP_ADV_NODE
#define SPECIFIC_TYPE_ZIP_TUN_NODE
                                                                                                            0×02
                                                                                                            0x01
/* Device class Wall Controller */
#define GENERIC_TYPE_WALL_CONTROLLER
#define SPECIFIC_TYPE_NOT_USED
                                                                                                            0x18
                                                                                                            0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_BASIC_WALL_CONTROLLER
                                                                                                            0x01 /*Wall Controller
Device Type*/
/* Device class Network Extender */
                                                                                                            0x05 /*Network Extender
#define GENERIC_TYPE_NETWORK_EXTENDER
Generic Device Class*/
#define SPECIFIC_TYPE_NOT_USED
Class Not Used*/
                                                                                                            0x00 /*Specific Device
#define SPECIFIC TYPE SECURE EXTENDER
                                                                                                            0x01 /*Specific Device
Secure Extender* 7
/* Device class Appliance */
#define GENERIC_TYPE_APPLIANCE
                                                                                                            0x06
#define SPECIFIC_TYPE_NOT_USED
                                                                                                            0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_GENERAL_APPLIANCE
                                                                                                            0x01
#define SPECIFIC_TYPE_KITCHEN_APPLIANCE
#define SPECIFIC_TYPE_LAUNDRY_APPLIANCE
                                                                                                            0x02
                                                                                                            0x03
/* Device class Sensor Notification */ #define GENERIC_TYPE_SENSOR_NOTIFICATION
                                                                                                            0x07
#define SPECIFIC_TYPE_NOT_USED
Class not used*/
                                                                                                            0x00 /*Specific Device
#define SPECIFIC_TYPE_NOTIFICATION_SENSOR
                                                                                                            0x01
/************ Z-Wave+ Role Type identifiers **********/
#define ROLE_TYPE_CONTROLLER_CENTRAL_STATIC
#define ROLE_TYPE_CONTROLLER_SUB_STATIC
                                                                                                            0 \times 0.0
                                                                                                            0x01
#define ROLE_TYPE_CONTROLLER_PORTABLE
#define ROLE_TYPE_CONTROLLER_PORTABLE_REPORTING
                                                                                                            0x02
                                                                                                            0x03
#define ROLE_TYPE_SLAVE_PORTABLE
                                                                                                            0x04
#define ROLE_TYPE_SLAVE_ALWAYS_ON
#define ROLE_TYPE_SLAVE_SLEEPING_REPORTING
#define ROLE_TYPE_SLAVE_SLEEPING_LISTENING
                                                                                                            0 \times 0.5
                                                                                                            0x06
                                                                                                            0x07
/* The Z-Wave+ Icon Types defined in this section is the ^*/
/* work of the Z-Wave Alliance.
/* The most current list of Z-Wave+ Icon Types may be
/* found at Z-Wave Alliance web site along with
/* sample icons.
/* New Z-Wave+ Icon Types may be requested from the
/* Z-Wave Alliance.
/**********************
#define ICON TYPE UNASSIGNED
                                                                                             0x0000 //MUST NOT be used by any
#define ICON TYPE GENERIC CENTRAL CONTROLLER
                                                                                             0×0100
                                                                                                       //Central Controller Device
#define ICON TYPE GENERIC DISPLAY SIMPLE
                                                                                             0x0200
                                                                                                      //Display Simple Device Type
#define ICON TYPE GENERIC DOOR LOCK KEYPAD
                                                                                             0x0300
                                                                                                       //Door Lock Keypad Device
#define ICON TYPE GENERIC FAN SWITCH
                                                                                             0x0400
                                                                                                      //Fan Switch Device Type
#define ICON TYPE GENERIC GATEWAY
                                                                                             0x0500
                                                                                                      //Gateway Device Type
#define ICON TYPE GENERIC LIGHT DIMMER SWITCH
                                                                                             0×0600
                                                                                                        //Light Dimmer Switch
Device Type
```

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#define ICON_TYPE_SPECIFIC_LIGHT_DIMMER_SWITCH_PLUGIN	0x0601	//Light	Dimmer, implemented
as a plugin device #define_ICON_TYPE_SPECIFIC_LIGHT_DIMMER_SWITCH_WALL_OUTLET	0x0602	//Light	Dimmer, implemented
as a wall outlet #define ICON_TYPE_SPECIFIC_LIGHT_DIMMER_SWITCH_CEILING_OUTLET	0x06	503	//Light Dimmer,
<pre>implemented as a ceiling outlet #define ICON_TYPE_SPECIFIC_LIGHT_DIMMER_SWITCH_WALL_LAMP implemented as a wall mounted lamp</pre>	0x0	504	//Relay device,
#define ICON_TYPE_SPECIFIC_LIGHT_DIMMER_SWITCH_LAMP_POST_HIGH implemented as a ceiling outlet	0x0	505	//Relay device,
#define ICON_TYPE_SPECIFIC_LIGHT_DIMMER_SWITCH_LAMP_POST_LOW implemented as a ceiling outlet	0x06	506	//Relay device,
#define ICON_TYPE_GENERIC_ON_OFF_POWER_SWITCH Device Type	0x0700	//On/Off	Power Switch
#define ICON_TYPE_SPECIFIC_ON_OFF_POWER_SWITCH_PLUGIN implemented as a plugin device	0x07	01	//Relay device,
#define ICON TYPE SPECIFIC ON OFF POWER SWITCH WALL OUTLET as a wall outlet	0x0702	//Relay	device, implemented
#define ICON_TYPE_SPECIFIC_ON_OFF_POWER_SWITCH_CEILING_OUTLET implemented as a ceiling outlet	0x07	703	//Relay device,
#define ICON_TYPE_SPECIFIC_ON_OFF_POWER_SWITCH_WALL_LAMP as a wall mounted lamp	0x0704	//Relay	device, implemented
#define ICON_TYPE_SPECIFIC_ON_OFF_POWER_SWITCH_LAMP_POST_HIGH implemented as a ceiling outlet	0x07	705	//Relay device,
<pre>#define ICON_TYPE_SPECIFIC_ON_OFF_POWER_SWITCH_LAMP_POST_LOW implemented as a ceiling outlet</pre>	0x07	706	//Relay device,
#define ICON_TYPE_GENERIC_POWER_STRIP #define ICON_TYPE_SPECIFIC_POWER_STRIP_INDIVIDUAL_OUTLET power strip for showing outlets in exploded view	0x0800 0x08FF		trip Device Type idual outlet of a
#define ICON_TYPE_GENERIC_REMOTE_CONTROL_AV Type	0x0900	//Remote	Control AV Device
#define ICON_TYPE_GENERIC_REMOTE_CONTROL_MULTI_PURPOSE Purpose Device Type	0x0A00	//Remote	Control Multi
#define ICON_TYPE_GENERIC_REMOTE_CONTROL_SIMPLE Device Type	0x0B00	//Remote	Control Simple
#define ICON_TYPE_SPECIFIC_REMOTE_CONTROL_SIMPLE_KEYFOB Device Type (Key fob)	0x0B01	//Remote	Control Simple
#define ICON_TYPE_GENERIC_SENSOR_NOTIFICATION Type	0x0C00	//Sensor	Notification Device
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_SMOKE_ALARM Type (Notification type Smoke Alarm)	0x0C01	//Sensor	Notification Device
#define ICON TYPE SPECIFIC SENSOR NOTIFICATION CO ALARM Type (Notification type CO Alarm)	0x0C02	//Sensor	Notification Device
#define ICON TYPE SPECIFIC SENSOR NOTIFICATION_CO2_ALARM Type (Notification type CO2 Alarm)	0x0C03	//Sensor	Notification Device
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_HEAT_ALARM Type (Notification type Heat Alarm)	0x0C04	//Sensor	Notification Device
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_WATER_ALARM Type (Notification type Water Alarm)	0x0C05	//Sensor	Notification Device
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_ACCESS_CONTROL Type (Notification type Access Control)	0x0C06	//Sensor	Notification Device
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_HOME_SECURITY Type (Notification type Home Security)	0x0C07	//Sensor	Notification Device
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_POWER_MANAGEMENT Type (Notification type Power Management)	0x0C08	//Sensor	Notification Device
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_SYSTEM Type (Notification type System)	0x0C09	//Sensor	Notification Device
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_EMERGENCY_ALARM Type (Notification type Emergency Alarm)	0x0C0A	//Sensor	Notification Device
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_CLOCK Type (Notification type Clock)	0x0C0B	//Sensor	Notification Device
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_APPLIANCE #define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_HOME_HEALTH #define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_SIREN #define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_WATER_VALVE #define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_WEATHER_ALARM #define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_IRRIGATION #define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_GAS_ALARM #define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_MULTIDEVICE Type (Bundled Notification functions)	0x0C0C 0x0C0D 0x0C0E 0x0C0F 0x0C10 0x0C11 0x0C12 0x0CFF	//Sensor	Notification Device
#define ICON_TYPE_GENERIC_SENSOR_MULTILEVEL	0x0D00	//Sensor	Multilevel Device
Type #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_AIR_TEMPERATURE Type (Sensor type Air Temperature)	0x0D01	//Sensor	Multilevel Device

#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_GENERAL_PURPOSE_VALUE	0x0D02	//Sensor Multilevel Device
Type (Sensor type General Purpose Value) #define ICON TYPE SPECIFIC SENSOR MULTILEVEL LUMINANCE	0x0D03	//Sensor Multilevel Device
Type (Sensor type Luminance)		
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_POWER Type (Sensor type Power)	0x0D04	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_HUMIDITY	0x0D05	//Sensor Multilevel Device
Type (Sensor type Humidity) #define ICON TYPE SPECIFIC SENSOR MULTILEVEL VELOCITY	0x0D06	//Sensor Multilevel Device
Type (Sensor type Velocity)	0x0D07	//Sensor Multilevel Device
<pre>#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_DIRECTION Type (Sensor type Direction)</pre>	UXUDU7	//sensor multilevel bevice
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ATMOSPHERIC_PRESSURE Type (Sensor type Atmospheric Pressure)	0x0D08	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_BAROMETRIC_PRESSURE	0x0D09	//Sensor Multilevel Device
Type (Sensor type Barometric Pressure) #define ICON TYPE SPECIFIC SENSOR MULTILEVEL SOLOR RADIATION	0x0D0A	//Sensor Multilevel Device
Type (Sensor type Solar Radiation)	0000	//C Multiland David
<pre>#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_DEW_POINT Type (Sensor type Dew Point)</pre>	0x0D0B	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_RAIN_RATE	0x0D0C	//Sensor Multilevel Device
Type (Sensor type Rain Rate) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TIDE_LEVEL	0x0D0D	//Sensor Multilevel Device
Type (Sensor type Tide Level) #define ICON TYPE SPECIFIC SENSOR MULTILEVEL WEIGHT	0x0D0E	//Sensor Multilevel Device
Type (Sensor type Weight)		
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_VOLTAGE Type (Sensor type Voltage)	0x0D0F	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_CURRENT	0x0D10	//Sensor Multilevel Device
Type (Sensor type Current) #define ICON TYPE SPECIFIC SENSOR MULTILEVEL CO2 LEVEL	0x0D11	//Sensor Multilevel Device
Type (Sensor type CO2 Level)	0 0=10	//2
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_AIR_FLOW Type (Sensor type Air Flow)	0x0D12	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TANK_CAPACITY	0x0D13	//Sensor Multilevel Device
Type (Sensor type Tank Capacity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_DISTANCE	0x0D14	//Sensor Multilevel Device
Type (Sensor type Distance) #define ICON TYPE SPECIFIC SENSOR MULTILEVEL ANGLE POSITION	0x0D15	//Sensor Multilevel Device
Type (Sensor type Angle Position)		
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ROTATION Type (Sensor type Rotation)	0x0D16	//Sensor Multilevel Device
Type (Sensor type Rotation)		
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE	0x0D17	//Sensor Multilevel Device
	0x0D17 0x0D18	<pre>//Sensor Multilevel Device //Sensor Multilevel Device</pre>
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature)	0x0D18	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity)	0x0D18 0x0D19	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE	0x0D18	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET	0x0D18 0x0D19	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet)	0x0D18 0x0D19 0x0D1A	//Sensor Multilevel Device //Sensor Multilevel Device //Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity)	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY	0x0D18 0x0D19 0x0D1A 0x0D1B	//Sensor Multilevel Device //Sensor Multilevel Device //Sensor Multilevel Device //Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LOUDNESS	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LOUDNESS Type (Sensor type Loudness) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C 0x0D1D	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LOUDNESS Type (Sensor type Loudness) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE Type (Sensor type Moisture)	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C 0x0D1D 0x0D1E 0x0D1F	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LOUDNESS Type (Sensor type Loudness) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE Type (Sensor type Moisture) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_FREQUENCY Type (Sensor type Frequency)	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C 0x0D1D 0x0D1F 0x0D1F	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LOUDNESS Type (Sensor type Loudness) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE Type (Sensor type Moisture) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_FREQUENCY Type (Sensor type Frequency) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TIME	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C 0x0D1D 0x0D1E 0x0D1F	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LOUDNESS Type (Sensor type Loudness) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE Type (Sensor type Moisture) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_FREQUENCY Type (Sensor type Frequency) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TIME Type (Sensor type Time) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TARGET_TEMPERATURE	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C 0x0D1D 0x0D1F 0x0D1F	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LOUDNESS Type (Sensor type Loudness) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE Type (Sensor type Moisture) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_FREQUENCY Type (Sensor type Frequency) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TIME Type (Sensor type Time)	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C 0x0D1D 0x0D1E 0x0D1F 0x0D20 0x0D21	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LOUDNESS Type (Sensor type Loudness) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE Type (Sensor type Moisture) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_FREQUENCY Type (Sensor type Frequency) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TIME Type (Sensor type Time) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TARGET_TEMPERATURE Type (Sensor type Time) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TARGET_TEMPERATURE Type (Sensor type Target Temperature)	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C 0x0D1D 0x0D1F 0x0D1F 0x0D20 0x0D21	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LOUDNESS Type (Sensor type Loudness) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE Type (Sensor type Moisture) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_FREQUENCY Type (Sensor type Frequency) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TIME Type (Sensor type Time) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TARGET_TEMPERATURE Type (Sensor type Time) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MULTIDEVICE #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MULTIDEVICE	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C 0x0D1D 0x0D1F 0x0D1F 0x0D20 0x0D21	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LOUDNESS Type (Sensor type Loudness) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE Type (Sensor type Moisture) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TREQUENCY Type (Sensor type Frequency) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TIME Type (Sensor type Time) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TARGET_TEMPERATURE Type (Sensor type Target Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MULTIDEVICE Type (Bundled Sensor functions)	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C 0x0D1D 0x0D1E 0x0D1F 0x0D20 0x0D21 0x0D22 0x0DFF	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LOUDNESS Type (Sensor type Loudness) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE Type (Sensor type Moisture) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_FREQUENCY Type (Sensor type Frequency) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TIME Type (Sensor type Time) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TARGET_TEMPERATURE Type (Sensor type Target Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MULTIDEVICE Type (Sensor type Target Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MULTIDEVICE Type (Bundled Sensor functions) #define ICON_TYPE_GENERIC_SET_TOP_BOX #define ICON_TYPE_GENERIC_SET_TOP_BOX	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C 0x0D1D 0x0D1E 0x0D1F 0x0D20 0x0D21 0x0D21 0x0D22 0x0DFF 0x0E00 0x0F00	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LOUDNESS Type (Sensor type Loudness) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE Type (Sensor type Moisture) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_FREQUENCY Type (Sensor type Frequency) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TIME Type (Sensor type Time) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TARGET_TEMPERATURE Type (Sensor type Target Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MULTIDEVICE Type (Bundled Sensor functions) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MULTIDEVICE Type (Bundled Sensor functions)	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C 0x0D1D 0x0D1F 0x0D20 0x0D21 0x0D22 0x0DFF	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LOUDNESS Type (Sensor type Loudness) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE Type (Sensor type Moisture) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_FREQUENCY Type (Sensor type Moisture) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TIME Type (Sensor type Trequency) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TARGET_TEMPERATURE Type (Sensor type Target Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MULTIDEVICE Type (Sensor type Target Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MULTIDEVICE Type (Bundled Sensor functions) #define ICON_TYPE_GENERIC_SET_TOP_BOX #define ICON_TYPE_GENERIC_SIREN #define ICON_TYPE_GENERIC_SIREN #define ICON_TYPE_GENERIC_SIREN #define ICON_TYPE_GENERIC_SUB_ENERGY_METER Type	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C 0x0D1D 0x0D1F 0x0D20 0x0D21 0x0D22 0x0DFF 0x0E00 0x0F00 0x1000	//Sensor Multilevel Device //Set Top Box Device Type //Siren Device Type //Sub Energy Meter Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LOUDNESS Type (Sensor type Loudness) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE Type (Sensor type Moisture) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_FREQUENCY Type (Sensor type Frequency) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TIME Type (Sensor type Time) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TARGET_TEMPERATURE Type (Sensor type Target Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MULTIDEVICE Type (Sensor type Target Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MULTIDEVICE Type (Sensor type Target Temperature) #define ICON_TYPE_GENERIC_SET_TOP_BOX #define ICON_TYPE_GENERIC_SET_TOP_BOX #define ICON_TYPE_GENERIC_SUB_ENERGY_METER	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C 0x0D1D 0x0D1E 0x0D1F 0x0D20 0x0D21 0x0D21 0x0D22 0x0DFF 0x0E00 0x0F00	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_BLECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE Type (Sensor type Doudness) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE Type (Sensor type Moisture) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TIME Type (Sensor type Frequency) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TARGET_TEMPERATURE Type (Sensor type Target Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MULTIDEVICE Type (Sensor type Target Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MULTIDEVICE Type (Sensor type Target Temperature) #define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MULTIDEVICE Type (Bundled Sensor functions) #define ICON_TYPE_GENERIC_SIREN #define ICON_TYPE_GENERIC_SIREN #define ICON_TYPE_GENERIC_SIREN #define ICON_TYPE_GENERIC_SUB_ENERGY_METER Type #define ICON_TYPE_GENERIC_SUB_ENERGY_METER Type	0x0D18 0x0D19 0x0D1A 0x0D1B 0x0D1C 0x0D1D 0x0D1F 0x0D20 0x0D21 0x0D22 0x0DFF 0x0E00 0x0F00 0x1000	//Sensor Multilevel Device //Set Top Box Device Type //Siren Device Type //Sub Energy Meter Device

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#define ICON TYPE SPECIFIC THERMOSTAT LINE VOLTAGE
                                                                                                         0x1201
                                                                                                                    //Thermostat Line Voltage
Device Type
#define ICON TYPE SPECIFIC THERMOSTAT SETBACK
                                                                                                        0x1202
                                                                                                                    //Thermostat Setback Device
Type
#define ICON TYPE GENERIC THERMOSTAT SETBACK OBSOLETED
                                                                                                        0×1300
                                                                                                                    //Thermostat Setback
[Obsoleted] Device Type
#define ICON_TYPE_GENERIC_TV
                                                                                                        0x1400
                                                                                                                    //TV Device Type
#define ICON TYPE GENERIC VALVE OPEN CLOSE
                                                                                                        0x1500
                                                                                                                    //Valve Open/Close Device
#define ICON TYPE GENERIC WALL CONTROLLER
                                                                                                        0x1600
                                                                                                                    //Wall Controller Device
#define ICON TYPE GENERIC WHOLE HOME METER SIMPLE
                                                                                                        0x1700
                                                                                                                    //Whole Home Meter Simple
Device Type
#define ICON_TYPE_GENERIC_WINDOW_COVERING_NO_POSITION_ENDPOINT
                                                                                                        0x1800
                                                                                                                    //Window Covering No
Position/Endpoint Device Type
#define ICON_TYPE_GENERIC_WINDOW_COVERING_ENDPOINT_AWARE Aware Device Type
                                                                                                        0x1900
                                                                                                                    //Window Covering Endpoint
#define ICON_TYPE_GENERIC_WINDOW_COVERING_POSITION_ENDPOINT_AWARE
Position/Endpoint Aware Device Type
                                                                                                        0x1A00
                                                                                                                   //Window Covering
#define ICON TYPE GENERIC REPEATER
                                                                                                        0x1B00 //Repeater Device Type
#define ICON_TYPE_GENERIC_DIMMER_WALL_SWITCH #define ICON_TYPE_SPECIFIC_DIMMER_WALL_SWITCH_ONE_BUTTON
                                                                                                                                   //Wall Switch
                                                                                                             0x1C00
                                                                                                                      //Wall Switch, 1 button
                                                                                                        0x1C01
#define ICON_TYPE_SPECIFIC_DIMMER_WALL_SWITCH_TWO_BUTTONS
#define ICON_TYPE_SPECIFIC_DIMMER_WALL_SWITCH_THREE_BUTTONS
#define ICON_TYPE_SPECIFIC_DIMMER_WALL_SWITCH_FOUR_BUTTONS
#define ICON_TYPE_SPECIFIC_DIMMER_WALL_SWITCH_ONE_ROTARY
                                                                                                                       //Wall Switch, 2 buttons
//Wall Switch, 3 buttons
                                                                                                         0x1C02
                                                                                                         0x1C03
                                                                                                         0x1C04
                                                                                                                       //Wall Switch, 4 buttons
                                                                                                         0x1CF1
                                                                                                                       //Wall Switch, 1 rotary
#define ICON_TYPE_GENERIC_ON_OFF_WALL_SWITCH
#define ICON_TYPE_SPECIFIC_ON_OFF_WALL_SWITCH_ONE_BUTTON
#define ICON_TYPE_SPECIFIC_ON_OFF_WALL_SWITCH_TWO_BUTTONS
#define ICON_TYPE_SPECIFIC_ON_OFF_WALL_SWITCH_THREE_BUTTONS
#define ICON_TYPE_SPECIFIC_ON_OFF_WALL_SWITCH_FOUR_BUTTONS
#define ICON_TYPE_SPECIFIC_ON_OFF_WALL_SWITCH_DOOR_BELL_
#define_ICON_TYPE_SPECIFIC_ON_OFF_WALL_SWITCH_ONE_BUTTONS
                                                                                                             0×1D00
                                                                                                                                   //Wall Switch
                                                                                                                      //Wall Switch, 1 button
//Wall Switch, 2 buttons
                                                                                                        0x1D01
                                                                                                         0x1D02
                                                                                                                       //Wall Switch, 3 buttons
                                                                                                         0x1D03
                                                                                                         0x1D04
                                                                                                                        //Wall Switch, 4 buttons
                                                                                                        0×1DE1
                                                                                                                    //Door Bell (button)
                                                                                                                       //Wall Switch, 1 rotary
#define ICON_TYPE_SPECIFIC_ON_OFF_WALL_SWITCH_ONE_ROTARY
                                                                                                        0 \times 1 DF1
#define ICON TYPE GENERIC BARRIER
                                                                                                        0x1E00
                                                                                                                    //Barrier
                                                                                                        0×1F00
                                                                                                                    //Irrigation
#define ICON TYPE GENERIC IRRIGATION
#define ICON_TYPE_GENERIC_ENTRY_CONTROL
#define ICON_TYPE_SPECIFIC_ENTRY_CONTROL_KEYPAD_0_9
#define ICON_TYPE_SPECIFIC_ENTRY_CONTROL_RFID_TAG_READER_NO_BUTTON
                                                                                                                     //Entry Control
                                                                                                         0x2000
                                                                                                                     //Entry Control Keypad 0-9
//Entry Control RFID tag
                                                                                                         0x2001
                                                                                                        0x2002
reader, no button
/******* Manufacturer ID identifiers *********/
#define MFG_ID_NOT_DEFINED
                                                                                           0xFFFF
                                                                                                       //Not defined
#define MFG_ID_2B_ELECTRONICS
                                                                                           0x0028
                                                                                                       //2B Electronics
#define MFG_ID_2GIG_TECHNOLOGIES_INC
#define MFG_ID_3E_TECHNOLOGIES
#define MFG_ID_A1_COMPONENTS
                                                                                           0x009B
                                                                                                       //2gig Technologies Inc.
                                                                                           0x002A
                                                                                                       //3e Technologies
                                                                                                       //A-1 Components
                                                                                           0x0022
#define MFG_ID_ABILIA
#define MFG_ID_ACT_ADVANCED_CONTROL_TECHNOLOGIES
                                                                                           0x0117
                                                                                                       //Abilia
                                                                                           0x0001
                                                                                                       //ACT - Advanced Control Technologies
#define MFG_ID_ADOX_INC
                                                                                           0x0101
                                                                                                       //ADOX, Inc.
#define MFG_ID_ADVANCED_OPTRONIC_DEVICES_CO_LTD
#define MFG_ID_ADVENTURE_INTERACTIVE
#define MFG_ID_AEON_LABS
                                                                                           0x016C
                                                                                                       //Advanced Optronic Devices Co.,Ltd
                                                                                           0×009E
                                                                                                       //Adventure Interactive
                                                                                           0x0086
                                                                                                       //AEON Labs
#define MFG ID AIRLINE MECHANICAL CO LTD
                                                                                           0x0111
                                                                                                       //Airline Mechanical Co., Ltd.
                                                                                                       //Airvent SAM S.p.A.
#define MFG_ID_AIRVENT_SAM_SPA
                                                                                           0x0088
#define MFG_ID_ALARMCOM
                                                                                           0x0094
                                                                                                       //Alarm.com
#define MFG_ID_ALERTME
                                                                                           0x0126
                                                                                                       //Alertme
#define MFG_ID_ALLEGION
#define MFG_ID_ALPHONSUS_TECH
                                                                                           0x003B
                                                                                                       //Allegion
                                                                                           0x0230
                                                                                                       //Alphonsus Tech
#define MFG ID AMDOCS
                                                                                           0x019C
                                                                                                       //Amdocs
#define MFG_ID_AMERICAN_GRID_INC
                                                                                           0x005A
                                                                                                       //American Grid, Inc.
#define MFG_ID_ANYCOMM_CORPORATION
#define MFG_ID_APPLIED_MICRO_ELECTRONICS_AME_BV
#define MFG_ID_ASIA_HEADING
                                                                                           0x0078
                                                                                                       //anyCOMM Corporation
                                                                                                       //Applied Micro Electronics "AME" BV
                                                                                           0×0144
                                                                                           0x0029
                                                                                                       //Asia Heading
#define MFG ID ASITEQ
                                                                                           0x0231
                                                                                                       //ASITEO
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#define MFG ID ASSA ABLOY
                                                                                                                //ASSA ABLOY
#define MFG_ID_ASTRALINK
#define MFG_ID_ATT
                                                                                                   0x013B
                                                                                                                //AstraLink
                                                                                                   0x0134
                                                                                                                //AT&T
#define MFG_ID_ATECH
#define MFG_ID_ATHOM_BV
                                                                                                   0x002B
                                                                                                                //Atech
                                                                                                   0x0244
                                                                                                                //Athom BV
#define MFG ID AVADESIGN TECHNOLOGY CO LTD
                                                                                                   0×0155
                                                                                                                //Avadesign Technology Co., Ltd.
#define MFG ID AXESSTEL INC
                                                                                                   0x0146
                                                                                                                //Axesstel Inc
#define MFG_ID_BALBOA_INSTRUMENTS
                                                                                                   0x0018
                                                                                                                //Balboa Instruments
#define MFG_ID_BANDI_COMM_TECH_INC 0x0236
#define MFG_ID_BEIJING_SINOAMERICAN_BOYI_SOFTWARE_DEVELOPMENT_CO_L 0x0204
                                                                                                                //Bandi Comm Tech Inc.
                                                                                                                //Beijing Sino-American Bovi Software
Development Co., Ltd
#define MFG_ID_BEIJING_UNIVERSAL_ENERGY_HUAXIA_TECHNOLOGY_CO_LTD
                                                                                                  0x0251
                                                                                                                //Beijing Universal Energy Huaxia
Technology Co.,Ltd
#define MFG_ID_BELLATRIX_SYSTEMS_INC
#define MFG_ID_BENEXT
                                                                                                   0x0196
                                                                                                                //Bellatrix Systems, Inc.
                                                                                                   0x008A
                                                                                                                //BeNext
#define MFG_ID_BESAFER
#define MFG ID BFT SPA
                                                                                                   0x002C
                                                                                                                //BeSafer
                                                                                                   0x014B
                                                                                                                //BFT S.p.A.
#define MFG_ID_BIT7_INC
#define MFG_ID_BLACK_DECKER
                                                                                                   0x0052
                                                                                                                //Bit7 Inc.
                                                                                                   0x0090
                                                                                                                //Black & Decker
#define MFG_ID_BMS_EVLER_LTD
                                                                                                   0x0213
                                                                                                                //BMS Evler LTD
#define MFG_ID_BOCA_DEVICES
#define MFG_ID_BOSCH_SECURITY_SYSTEMS_INC
                                                                                                   0 \times 0.023
                                                                                                                //Boca Devices
                                                                                                   0x015C
                                                                                                                //Bosch Security Systems, Inc
#define MFG ID_BRK_BRANDS_INC
#define MFG_ID_BROADBAND_ENERGY_NETWORKS_INC
                                                                                                                //BRK Brands, Inc.
                                                                                                   0x0138
                                                                                                   0x002D
                                                                                                                //Broadband Energy Networks Inc.
#define MFG ID BTSTAR HK TECHNOLOGY COMPANY LIMITED
                                                                                                   0x024A
                                                                                                                //BTSTAR(HK) TECHNOLOGY COMPANY
LIMITED
#define MFG_ID_BUFFALO_INC
#define MFG_ID_BUILDING_36_TECHNOLOGIES
#define MFG_ID_BULOGICS
                                                                                                                //Buffalo Inc.
//Building 36 Technologies
                                                                                                   0x0145
                                                                                                   0x0190
                                                                                                   0x0026
                                                                                                                //BuLogics
#define MFG_ID_BONIG_UND_KALLENBACH_OHG
                                                                                                   0x0169
                                                                                                                //Bönig und Kallenbach oHG
#define MFG_ID_CAMEO_COMMUNICATIONS_INC
#define MFG_ID_CARRIER
                                                                                                   0x009C
                                                                                                                //Cameo Communications Inc.
                                                                                                   0x002E
                                                                                                                //Carrier
#define MFG_ID_CASAWORKS
#define MFG_ID_CASAWORKS
#define MFG_ID_CBCC_DOMOTIQUE_SAS
#define MFG_ID_CENTRALITE_SYSTEMS_INC
                                                                                                   0x000B
                                                                                                                //CasaWorks
                                                                                                   0x0243
                                                                                                                //casenio AG
                                                                                                   0x0166
                                                                                                                //CBCC Domotique SAS
                                                                                                   0x0246
                                                                                                                //CentraLite Systems, Inc
#define MFG_ID_CHECKIT_SOLUTIONS_INC
                                                                                                   0x014E
                                                                                                                //Check-It Solutions Inc.
#define MFG_ID_CHECKIT_SOLUTIONS_INC
#define MFG_ID_CHROMAGIC_TECHNOLOGIES_CORPORATION
#define MFG_ID_CISCO_CONSUMER_BUSINESS_GROUP
#define MFG_ID_CLIMAX_TECHNOLOGY_LTD
#define MFG_ID_CLOUD_MEDIA
#define MFG_ID_COLOR_KINETICS_INCORPORATED
#define MFG_ID_COMPUTIME
#define MFG_ID_CONNECTED_OR_IECT
                                                                                                   0x0116
                                                                                                                //Chromagic Technologies Corporation
                                                                                                   0×0082
                                                                                                                //Cisco Consumer Business Group
                                                                                                                //Climax Technology, Ltd.
                                                                                                   0x018E
                                                                                                   0x0200
                                                                                                                //Cloud Media
                                                                                                   0x002F
                                                                                                                //Color Kinetics Incorporated
                                                                                                   0x0140
                                                                                                                //Computime
#define MFG_ID_CONNECTED_OBJECT
#define MFG_ID_CONNECTHOME
#define MFG_ID_CONTROLTHINK_LC
                                                                                                   0x011B
                                                                                                                //Connected Object
                                                                                                                //ConnectHome
                                                                                                   0x0179
                                                                                                   0x0019
                                                                                                                //ControlThink LC
#define MFG_ID_CONVERGEX_LTD
#define MFG_ID_COOLGUARD
                                                                                                   0x000F
                                                                                                                //ConvergeX Ltd.
                                                                                                   0x007D
                                                                                                                //CoolGuard
#define MFG_ID_COOLEGARD
#define MFG_ID_COOPER_LIGHTING
#define MFG_ID_COOPER_WIRING_DEVICES
#define MFG_ID_COVENTIVE_TECHNOLOGIES_INC
#define MFG_ID_CYBERHOUSE
#define MFG_ID_CYBERTAN_TECHNOLOGY_INC
#define MFG_ID_CYTECH_TECHNOLOGY_PRE_LTD
#define MFG_ID_CYTECH_TECHNOLOGY_PRE_LTD
                                                                                                   0x0079
                                                                                                                //Cooper Lighting
                                                                                                                //Cooper Wiring Devices
                                                                                                   0×001A
                                                                                                   0x009D
                                                                                                                //Coventive Technologies Inc.
                                                                                                   0x0014
                                                                                                                //Cyberhouse
                                                                                                   0x0067
                                                                                                                //CyberTAN Technology, Inc.
                                                                                                   0x0030
                                                                                                                //Cytech Technology Pre Ltd.
#define MFG_ID_DANFOSS
                                                                                                   0x0002
                                                                                                                //Danfoss
#define MFG_ID_DAWON_DNS
#define MFG_ID_DECORIS_INTELLIGENT_SYSTEM_LIMITED
#define MFG_ID_DEFACONTROLS_BV
                                                                                                   0×018C
                                                                                                                //Dawon DNS
                                                                                                                //Decoris Intelligent System Limited
                                                                                                   0×020A
                                                                                                   0x013F
                                                                                                                //Defacontrols BV
#define MFG_ID_DESTINY_NETWORKS
#define MFG_ID_DEVOLO
                                                                                                   0x0031
                                                                                                                //Destiny Networks
                                                                                                   0x0175
                                                                                                                //Devolo
#define MFG_ID_DIEHL_AKO
#define MFG_ID_DIGHTAL_5_INC
#define MFG_ID_DIGHTAL_HOME_SYSTEMS_PTY_LTD_
#define MFG_ID_DIGHTALZONE
#define MFG_ID_DLINK
                                                                                                                //Diehl AKO
//Digital 5, Inc.
//Digital Home Systems Pty Ltd,
                                                                                                   0 \times 0103
                                                                                                   0x0032
                                                                                                   0x024E
                                                                                                   0x0228
                                                                                                                //DigitalZone
                                                                                                   0x0108
                                                                                                                //D-Link
#define MFG_ID_DMP_DIGITAL_MONITORING_PRODUCTS
#define MFG_ID_DOMINO_SISTEMI_DOO
#define MFG_ID_DOMITECH_PRODUCTS_LLC
#define MFG_ID_DONGGUAN_ZHOU_DA_ELECTRONICS_CO_LTD
                                                                                                   0x0127
                                                                                                                //DMP (Digital Monitoring Products)
                                                                                                                //Domino sistemi d.o.o.
//Domitech Products, LLC
//Dongguan Zhou Da Electronics Co.,Ltd
                                                                                                   0x0177
                                                                                                   0x020E
                                                                                                   0x020C
#define MFG_ID_DRACOR_INC
                                                                                                   0x017D
                                                                                                                //DRACOR Inc.
#define MFG_ID_DRAGON_TECH_INDUSTRIAL_LTD
                                                                                                   0x0184
                                                                                                                //Dragon Tech Industrial, Ltd.
#define MFG_ID_DTV_RESEARCH_UNIPESSOAL_LDA
#define MFG_ID_DTVAQUIP_CONTROLS
#define MFG_ID_EASY_SAVER_CO_INC
#define MFG_ID_EBY_SAVER_CO_INC
                                                                                                   0x0223
                                                                                                                //DTV Research Unipessoal, Lda
                                                                                                                //DynaQuip Controls
//EASY SAVER Co., Inc
                                                                                                   0x0132
                                                                                                   0x0247
                                                                                                   0x017C
                                                                                                                //EbV
#define MFG ID ECHOSTAR
                                                                                                   0x016B
                                                                                                                //Echostar
#define MFG_ID_ECOLINK
                                                                                                   0x014A
                                                                                                                //Ecolink
#define MFG_ID_ECONET_CONTROLS
                                                                                                   0x0157
                                                                                                                //EcoNet Controls
#define MFG_ID_EHOME_AUTOMATION
#define MFG_ID_EKA_SYSTEMS
                                                                                                   0×010D
                                                                                                                //e-Home AUTOMATION
                                                                                                   0x0087
                                                                                                                //Eka Systems
#define MFG ID ELECTRONIC SOLUTIONS
                                                                                                                //Electronic Solutions
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#define MFG ID ELEXA CONSUMER PRODUCTS INC
                                                                                                                       //Elexa Consumer Products Inc.
#define MFG_ID_ELEXA_CONSUMER_PRODUCTS_INC
#define MFG_ID_ELGEV_ELECTRONICS_LTD
#define MFG_ID_ELK_PRODUCTS_INC
#define MFG_ID_EMBEDDED_SYSTEM_DESIGN_LIMITED
#define MFG_ID_EMBEDIT_AS
#define MFG_ID_EMBLINK_CO_LTD
#define MFG_ID_ENONX_TECHNOLOGIES_SRO
#define MFG_ID_ENONX_TECHNOLOGIES_SRO
                                                                                                         0x0034
                                                                                                                       //El-Gev Electronics LTD
                                                                                                         0x001B
                                                                                                                       //ELK Products, Inc.
                                                                                                         0x020B
                                                                                                                       //Embedded System Design Limited
                                                                                                         0x0035
                                                                                                                       //Embedit A/S
                                                                                                                       //Enblink Co. Ltd
                                                                                                         0x014D
                                                                                                         0x0219
                                                                                                                       //Enwox Technologies s.r.o.
#define MFG_ID_ERONE
                                                                                                         0x006F
                                                                                                                       //Erone
#define MFG_ID_ESSENCE_SECURITY
#define MFG_ID_EUROTRONICS
                                                                                                        0x0160
0x0148
                                                                                                                       //Essence Security
                                                                                                                       //Eurotronics
#define MFG_ID_EUROTRONICS
#define MFG_ID_EVERSPRING
#define MFG_ID_EVOLVE
#define MFG_ID_EXCEPTIONAL_INNOVATIONS
#define MFG_ID_EXHAUSTO
                                                                                                         0x0060
                                                                                                                       //Everspring
                                                                                                         0x0113
                                                                                                                       //Evolve
                                                                                                         0x0036
                                                                                                                       //Exceptional Innovations
                                                                                                         0x0004
                                                                                                                       //Exhausto
#define MFG_ID_EXIGENT_SENSORS
                                                                                                         0x009F
                                                                                                                       //Exigent Sensors
                                                                                                         0x001E
#define MFG_ID_EXPRESS_CONTROLS
#define MFG ID EZEX CORPORATION
                                                                                                                      //Express Controls
//eZEX Corporation
                                                                                                         0x0233
#define MFG_ID_FAKRO
#define MFG_ID_FANTEM
                                                                                                         0x0085
                                                                                                                       //Fakro
                                                                                                         0x016A
                                                                                                                       //Fantem
#define MFG_ID_FIBARGROUP
                                                                                                         0x010F
                                                                                                                       //Fibargroup
#define MFG_ID_FLEXTRONICS
#define MFG_ID_FLUE_SENTINEL
#define MFG_ID_FOARD_SYSTEMS
#define MFG_ID_FOCAL_POINT_LIMITED
                                                                                                         0x018D
                                                                                                                       //Flextronics
                                                                                                         0x0024
                                                                                                                       //Flue Sentinel
                                                                                                         0x0037
                                                                                                                       //Foard Systems
                                                                                                         0x018F
                                                                                                                       //Focal Point Limited
#define MFG ID FOLLOWGOOD TECHNOLOGY COMPANY LTD
                                                                                                         0x0137
                                                                                                                       //FollowGood Technology Company Ltd.
#define MFG_ID_FOREST_GROUP_NEDERLAND_BV
#define MFG_ID_FORTREZZ_LLC
#define MFG_ID_FOXCONN
#define MFG_ID_FROSTDALE
                                                                                                         0x0207
                                                                                                                       //Forest Group Nederland B.V
                                                                                                         0x0084
                                                                                                                       //FortrezZ LLC
                                                                                                                       //Foxconn
                                                                                                         0×011D
                                                                                                                       //Frostdale
                                                                                                         0x0110
#define MFG_ID_GES
#define MFG_ID_GKB_SECURITY_CORPORATION
#define MFG_ID_GLOBALCHINATECH
                                                                                                         0x025A
                                                                                                                       //GES
                                                                                                                       //GKB Security Corporation //Globalchina-Tech
                                                                                                         0x022B
                                                                                                         0x018A
#define MFG_ID_GOAP
#define MFG_ID_GOGGIN_RESEARCH
#define MFG_ID_GOOD_WAY_TECHNOLOGY_CO_LTD
#define MFG_ID_GREENWAVE_REALITY_INC
                                                                                                         0x0159
                                                                                                                       //Goap
                                                                                                         0x0076
                                                                                                                       //Goggin Research
                                                                                                         0x0068
                                                                                                                       //Good Way Technology Co., Ltd
                                                                                                         0x0099
                                                                                                                       //GreenWave Reality Inc.
#define MFG_ID_GRIB
                                                                                                         0x018B
                                                                                                                       //Grib
#define MFG_ID_GUANGZHOU_RUIXIANG_ME_CO_LTD
#define MFG_ID_GUANGZHOU_ZEEWAVE_INFORMATION_TECHNOLOGY_CO_LTD
                                                                                                         0x016D
                                                                                                                       //Guangzhou Ruixiang M&E Co., Ltd
                                                                                                                       //GuangZhou Zeewave Information
                                                                                                         0x0158
Technology Co., Ltd.
#define MFG_ID_HANKOOK_GAS_KIKI_CO_LTD
                                                                                                         0x024C
                                                                                                                       //Hankook Gas Kiki CO.,LTD.
                                                                                                                       //Hauppauge
#define MFG_ID_HAUPPAUGE
                                                                                                         0x025C
#define MFG_ID_HAWKING_TECHNOLOGIES INC
                                                                                                                       //Hawking Technologies Inc.
                                                                                                         0x0073
#define MFG_ID_HERALD_DATANETICS_LIMITED
#define MFG_ID_HITECH_AUTOMATION
#define MFG_ID_HOLION_ELECTRONIC_ENGINEERING_CO_LTD
                                                                                                         0×020F
                                                                                                                       //Herald Datanetics Limited
                                                                                                                       //HiTech Automation
//Holion Electronic Engineering Co.,
                                                                                                         0 \times 0.017
                                                                                                         0x0181
#define MFG_ID_HOLTEC_ELECTRONICS_BV
                                                                                                         0x013E
                                                                                                                       //Holtec Electronics BV
#define MFG ID HOME AUTOMATED LIVING
#define MFG ID HOME AUTOMATION EUROPE
#define MFG ID HOME AUTOMATION INC
#define MFG ID HOME AUTOMATION INC
#define MFG ID HOME DIRECTOR
#define MFG ID HOMEMANAGEABLES INC
                                                                                                        0x000D
0x009A
                                                                                                                       //Home Automated Living
                                                                                                                       //Home Automation Europe
                                                                                                         0x005B
                                                                                                                       //Home Automation Inc.
                                                                                                         0x0038
                                                                                                                       //Home Director
                                                                                                         0x0070
                                                                                                                       //Homemanageables, Inc.
#define MFG_ID_HOMEPRO
                                                                                                         0x0050
                                                                                                                       //Homepro
#define MFG_ID_HOMESCENARIO
#define MFG_ID_HOMESCER_TECHNOLOGIES
#define MFG_ID_HONEST_TECHNOLOGY_CO_LTD
#define MFG_ID_HONEYWELL
                                                                                                         0x0162
                                                                                                                       //HomeScenario
                                                                                                         0x000C
                                                                                                                       //HomeSeer Technologies
                                                                                                                       //Honest Technology Co., Ltd.
                                                                                                         0x023D
                                                                                                                       //Honeywell
                                                                                                         0x0039
#define MFG_ID_HORSTMANN_CONTROLS_LIMITED
#define MFG_ID_HOSEOTELNET
                                                                                                         0x0059
                                                                                                                       //Horstmann Controls Limited
                                                                                                         0x0221
                                                                                                                       //HOSEOTELNET
#define MFG_ID_HUAPIN_INFORMATION_TECHNOLOGY_CO_LTD
                                                                                                         0x0180
                                                                                                                       //Huapin Information Technology
Co.,Ltd
#define MFG_ID_HUAWEI_TECHNOLOGIES_CO_LTD
#define MFG_ID_HUNTER_DOUGLAS
#define MFG_ID_IAUTOMADE_PTE_LTD
                                                                                                         0x024B
                                                                                                                       //Huawei Technologies Co., Ltd.
                                                                                                                       //Hunter Douglas
                                                                                                         0x007C
                                                                                                         0x0218
                                                                                                                       //iAutomade Pte Ltd
#define MFG_ID_ICOM_TECHNOLOGY_BV
#define MFG_ID_ICONTROL
#define MFG_ID_ICONTROL_NETWORKS
#define MFG_ID_IDRF
#define MFG_ID_IDRF
                                                                                                         0x0011
                                                                                                                       //iCOM Technology b.v.
                                                                                                         0x0106
                                                                                                                       //iControl
                                                                                                         0×0106
                                                                                                                       //Icontrol Networks
                                                                                                                       //ID-RF
                                                                                                         0x0165
                                                                                                         0x019E
                                                                                                                       //iEXERGY GmbH
#define MFG_ID_IMPACT_TECHNOLOGIES_AND_PRODUCTS
#define MFG_ID_IMPACT_TECHNOLOGIES_BV
#define MFG_ID_INFUSION_DEVELOPMENT
#define MFG_ID_INGERSOLL_RAND_SCHLAGE
#define MFG_ID_INGERSOLL_RAND_ECOLINK
                                                                                                         0x0056
                                                                                                                       //Impact Technologies and Products
                                                                                                                       //Impact Technologies BV
                                                                                                         0x0061
                                                                                                                      //Infusion Development
//Ingersoll Rand (Schlage)
                                                                                                         0x012B
                                                                                                         0x006C
                                                                                                                       //Ingersoll Rand (was Ecolink)
                                                                                                         0x011F
#define MFG_ID_INKEL_CORP
#define MFG_ID_INLON_SRL
                                                                                                                       //Inkel Corp.
                                                                                                         0x0256
                                                                                                         0x003A
                                                                                                                       //Inlon Srl
#define MFG_ID_INNOBAND_TECHNOLOGIES_INC
#define MFG_ID_INNOVUS
#define MFG_ID_INSIGNIA
#define MFG_ID_INTEL
                                                                                                         0x0141
                                                                                                                       //Innoband Technologies, Inc
                                                                                                                       //TNNOVUS
                                                                                                         0×0077
                                                                                                         0x0100
                                                                                                                       //Insignia
                                                                                                                       //Intel
```

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#define MFG ID INTELLICON
                                                                                                   //IntelliCon
#define MFG_ID_INTERACTIVE_ELECTRONICS_SYSTEMS_IES
                                                                                                   //Interactive Electronics Systems
(IES)
#define MFG_ID_INTERMATIC
#define MFG_ID_INTERNET_DOM
#define MFG_ID_IQGROUP
#define MFG_ID_IREVO
#define MFG_ID_IREVO
#define MFG_ID_IWATSU
#define MFG_ID_JWASCO_PRODUCTS
#define MFG_ID_JN_TAO_BAO
#define MFG_ID_JSW_PACIFIC_CORPORATION
#define MFG_ID_KAMSTPUE_TECHNOLOGY_CO_LTD
#define MFG_ID_KAMSTRUP_AS
#define MFG_ID_KAMSTRUP_AS
                                                                                       0 \times 0005
                                                                                                   //Intermatic
                                                                                       0x0013
                                                                                                   //Internet Dom
                                                                                       0×005F
                                                                                                   //IQ-Group
                                                                                       0x0212
                                                                                                   //iRevo
                                                                                       0x0253
                                                                                                   //iungo.nl B.V.
                                                                                       0x0123
                                                                                                   //IWATSU
                                                                                                   //Jasco Products
                                                                                       0×0063
                                                                                       0x015A
                                                                                                   //Jin Tao Bao
                                                                                       0x0164
                                                                                                   //JSW Pacific Corporation
                                                                                                   //Kaipule Technology Co., Ltd.
                                                                                       0x0091
                                                                                                   //Kamstrup A/S
#define MFG_ID_KELLENDONK_ELEKTRONIK
                                                                                       0x006A
                                                                                                   //Kellendonk Elektronik
#define MFG_ID_KICHLER #define MFG_ID_KOPERA_DEVELOPMENT_INC
                                                                                       0 \times 0114
                                                                                                   //Kichler
                                                                                       0x0174
                                                                                                   //Kopera Development Inc.
#define MFG_ID_KUMHO_ELECTRIC_INC
#define MFG_ID_LAGOTEK_CORPORATION
                                                                                       0x023A
                                                                                                   //KUMHO ELECTRIC, INC
                                                                                                   //Lagotek Corporation
                                                                                       0x0051
#define MFG_ID_LEAK_INTELLIGENCE_LLC
                                                                                       0x0173
                                                                                                   //Leak Intelligence, LLC
#define MFG_ID_LEVION_TECHNOLOGIES_GMBH
#define MFG_ID_LEVITON
#define MFG_ID_LEXEL
#define MFG_ID_LEXEL
                                                                                       0x0187
0x001D
                                                                                                   //LEVION Technologies Gmbh
                                                                                                   //Leviton
                                                                                       0x0015
                                                                                                   //Lexel
                                                                                       0x015B
                                                                                                   //LG Electronics
#define MFG ID LIFESHIELD LLC
                                                                                       0x0224
                                                                                                   //LifeShield, LLC
#define MFG_ID_LIFESTYLE_NETWORKS
                                                                                       0x003C
                                                                                                   //Lifestyle Networks
#define MFG_ID_LIGHT_ENGINE_LIMITED
#define MFG_ID_LINEAR_CORP
#define MFG_ID_LIVEGUARD_LTD
                                                                                       0x0210
                                                                                                   //Light Engine Limited
                                                                                                   //Linear Corp
                                                                                       0x014F
                                                                                       0x017A
                                                                                                   //Liveguard Ltd.
#define MFG_ID_LIVING_STYLE_ENTERPRISES_LTD
                                                                                       0x013A
                                                                                                   //Living Style Enterprises, Ltd.
#define MFG_ID_LOCSTAR_TECHNOLOGY_CO_LTD
                                                                                       0x015E
                                                                                                   //Locstar Technology Co., Ltd
#define MFG_ID_LOGITECH
                                                                                       0x007F
                                                                                                   //Logitech
#define MFG_ID_LOUDWATER_TECHNOLOGIES_LLC
#define MFG_ID_LS_CONTROL
#define MFG_ID_LVI_PRODUKTER_AB
#define MFG_ID_M2M_SOLUTION
                                                                                       0x0025
                                                                                                   //Loudwater Technologies, LLC
                                                                                       0x0071
                                                                                                   //LS Control
                                                                                       0x0062
                                                                                                   //LVI Produkter AB
                                                                                       0x0195
                                                                                                   //M2M Solution
#define MFG_ID_MANODO_KTC
                                                                                       0x006E
                                                                                                   //Manodo / KTC
#define MFG_ID_MARMITEK_BV
#define MFG_ID_MARTEC_ACCESS_PRODUCTS
                                                                                       0x003D
0x003E
                                                                                                   //Marmitek BV
                                                                                                   //Martec Access Products
#define MFG_ID_MARTIN_RENZ_GMBH
#define MFG_ID_MB_TURN_KEY_DESIGN
                                                                                       0x0092
                                                                                                   //Martin Renz GmbH
                                                                                       0x008F
                                                                                                   //MB Turn Key Design
#define MFG_ID_MCOHOME_TECHNOLOGY_CO_LTD
                                                                                       0x015F
                                                                                                   //McoHome Technology Co., Ltd
                                                                                                   //MCT CO., LTD
//Meedio, LLC
#define MFG_ID_MCT_CO_LTD
                                                                                       0x0222
                                                                                       0x0027
#define MFG_ID_MEEDIO_LLC
#define MFG_ID_MEGACHIPS
#define MFG_ID_MERCURY_CORPORATION
                                                                                       0×0107
                                                                                                   //MegaChips
                                                                                       0x022D
                                                                                                   //Mercury Corporation
#define MFG ID MERTEN
                                                                                       0x007A
                                                                                                   //Merten
#define MFG_ID_MILANITY_INC
                                                                                       0x0238
                                                                                                   //Milanity, Inc.
#define MFG_ID_MITSUMI
                                                                                       0x0112
                                                                                                   //MITSUMI
#define MFG_ID_MOBILUS_MOTOR_SPOLKA_Z_OO #define MFG_ID_MODACOM_CO_LTD
                                                                                                   //MOBILUS MOTOR Spólka z o.o.
                                                                                       0×019D
                                                                                                   //MODACOM CO., LTD.
                                                                                       0x0232
#define MFG_ID_MODSTROM
#define MFG_ID_MOHITO_NETWORKS
                                                                                       0x008D
                                                                                                   //Modstrøm
                                                                                       0x000E
                                                                                                   //Mohito Networks
#define MFG_ID_MONOPRICE
                                                                                       0x0202
                                                                                                   //Monoprice
#define MFG_ID_MONSTER_CABLE
                                                                                       0x007E
                                                                                                   //Monster Cable
                                                                                       0 \times 0125
                                                                                                   //Motion Control Systems
#define MFG_ID_MOTION_CONTROL_SYSTEMS
#define MFG_ID_MOTOROLA
#define MFG_ID_MSK_MIYAKAWA_SEISAKUSHO
#define MFG_ID_MTC_MAINTRONIC_GERMANY
                                                                                                   //Motorola
                                                                                       0x003F
                                                                                       0x0122
                                                                                                   //MSK - Miyakawa Seisakusho
                                                                                       0x0083
                                                                                                   //MTC Maintronic Germany
#define MFG ID MYSTROM
                                                                                       0x0143
                                                                                                   //myStrom
#define MFG_ID_NANJING_EASTHOUSE_ELECTRICAL_CO_LTD
                                                                                       0x016E
                                                                                                   //Nanjing Easthouse Electrical Co.,
Ltd.
#define MFG_ID_NAPCO_SECURITY_TECHNOLOGIES_INC
#define MFG_ID_NEFIT
#define MFG_ID_NESS_CORPORATION_PTY_LTD
                                                                                       0x0121
                                                                                                   //Napco Security Technologies, Inc.
                                                                                       0x006D
                                                                                                   //Nefit
                                                                                       0x0189
                                                                                                   //Ness Corporation Pty Ltd
#define MFG_ID_NETGEAR
                                                                                       0x0133
                                                                                                   //Netgear
#define MFG_ID_NEWLAND_COMMUNICATION_SCIENCE_TECHNOLOGY_CO_LTD
Technology Co., Ltd.
#define MFG_ID_NEXIA_HOME_INTELLIGENCE
                                                                                                   //Newland Communication Science
                                                                                       0x0203
                                                                                       0x0178
                                                                                                   //Nexia Home Intelligence
#define MFG ID NEXTENERGY
                                                                                       0x0075
                                                                                                   //NextEnergy
#define MFG_ID_NINGBO_SENTEK_ELECTRONICS_CO_LTD
                                                                                       0x0185
                                                                                                   //Ningbo Sentek Electronics Co., Ltd
#define MFG_ID_NORTH_CHINA_UNIVERSITY_OF_TECHNOLOGY
                                                                                       0x0252
                                                                                                   //North China University of Technology
#define MFG_ID_NOVAR_ELECTRICAL_DEVICES_AND_SYSTEMS_EDS
                                                                                       0x0096
                                                                                                   //NorthQ
                                                                                                   //Novar Electrical Devices and Systems
                                                                                       0x0040
(EDS)
#define MFG ID NOVATEQNI HK LTD
                                                                                       0x020D
                                                                                                   //Novateqni HK Ltd
#define MFG_ID_OMNIMA_LIMITED
                                                                                       0x0119
                                                                                                   //Omnima Limited
#define MFG_ID_ONSITE_PRO
                                                                                       0x014C
                                                                                                   //OnSite Pro
#define MFG_ID_OPENPEAK_INC
#define MFG_ID_PANASONIC_ELECTRIC_WORKS_CO_LTD
                                                                                                   //OpenPeak Inc.
//Panasonic Electric Works Co., Ltd.
                                                                                       0x0041
                                                                                       0x0104
#define MFG ID PARATECH
                                                                                       0x0257
                                                                                                   //PARATECH
```

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#define MFG ID PASSIVSYSTEMS LIMITED
                                                                                                   //PassivSystems Limited
#define MFG_ID_PELLA
#define MFG_ID_PERMUNDO_GMBH
                                                                                        0x013D
                                                                                                    //Pella
                                                                                                    //permundo GmbH
                                                                                        0x0245
#define MFG_ID_PHILIO_TECHNOLOGY_CORP
#define MFG_ID_PHYSICAL_GRAPH_CORPORATION
#define MFG_ID_PITECH
                                                                                        0x013C
                                                                                                    //Philio Technology Corp
                                                                                        0x0150
                                                                                                    //Physical Graph Corporation
                                                                                        0x007B
                                                                                                    //PiTech
#define MFG ID POLYCONTROL
                                                                                        0x010E
                                                                                                   //Poly-control
#define MFG_ID_POPP_CO
                                                                                        0x0154
                                                                                                    //Popp & Co
#define MFG_ID_POWERHOUSE_DYNAMICS
#define MFG_ID_POWERLINX
                                                                                       0x0170
0x0074
                                                                                                    //Powerhouse Dynamics
                                                                                                    //PowerLinx
#define MFG_ID_FOWERLINX
#define MFG_ID_FOWERLYNX
#define MFG_ID_PRAGMATIC_CONSULTING_INC
#define MFG_ID_PRODRIVE_TECHNOLOGIES
#define MFG_ID_PROMIXIS_LLC
                                                                                        0x0016
                                                                                                   //PowerLynx
                                                                                        0x0042
                                                                                                   //Pragmatic Consulting Inc.
                                                                                        0x0128
                                                                                                    //Prodrive Technologies
                                                                                        0x0161
                                                                                                    //Promixis, LLC
#define MFG_ID_PULSE_TECHNOLOGIES_ASPALIS
                                                                                        0x005D
                                                                                                    //Pulse Technologies (Aspalis)
#define MFG_ID_QEES
#define MFG_ID_QOLSYS
#define MFG_ID_QUBY
#define MFG_ID_QUBY
                                                                                        0×0095
                                                                                                    //Oees
                                                                                        0x012A
                                                                                                    //Qolsys
                                                                                        0x0130
                                                                                                    //Quby
                                                                                                    //Queenlock Ind. Co., Ltd.
                                                                                        0x0163
#define MFG_ID_RADEMACHER_GERATEELEKTRONIK_GMBH_CO_KG
                                                                                        0x0142
                                                                                                    //Rademacher Geräte-Elektronik GmbH &
Co. KG
#define MFG ID RADIO THERMOSTAT COMPANY OF AMERICA RTC
                                                                                        0x0098
                                                                                                   //Radio Thermostat Company of America
(RTC)
#define MFG_ID_RARITAN
                                                                                        0x008E
#define MFG ID RED BEE CO LTD
                                                                                        0x021E
                                                                                                    //Red Bee Co. Ltd
#define MFG_ID_REITZGROUPDE
#define MFG_ID_REMOTE_SOLUTION
                                                                                        0x0064
                                                                                                    //Reitz-Group.de
                                                                                                    //Remote Solution
                                                                                        0x022C
#define MFG_ID_REMOTEC
#define MFG_ID_RESIDENTIAL_CONTROL_SYSTEMS_INC_RCS
                                                                                                    //Remotec
                                                                                        0 \times 5254
                                                                                        0x0010
                                                                                                   //Residential Control Systems, Inc.
#define MFG ID RET NANJING INTELLIGENCE SYSTEM CO LTD
                                                                                        0x0216
                                                                                                   //RET Nanjing Intelligence System
CO.,Ltd
#define MFG_ID_REVOLV_INC
#define MFG_ID_RIMPORT_LTD
#define MFG_ID_ROCCONNECT_INC
#define MFG_ID_RPE_AJAX_LLC_DBS_SECUR_LTD
                                                                                        0x0153
                                                                                                   //Revolv Inc
                                                                                                    //R-import Ltd.
                                                                                        0x0147
                                                                                                   //ROC-Connect, Inc.
//RPE Ajax LLC (dbs Secur Ltd)
                                                                                        0x023B
                                                                                        0x0197
#define MFG_ID_RS_SCENE_AUTOMATION
                                                                                        0x0065
                                                                                                    //RS Scene Automation
#define MFG_ID_SAFETECH_PRODUCTS
#define MFG_ID_SAMSUNG_ELECTRONICS_CO_LTD
#define MFG_ID_SAMSUNG_SDS
#define MFG_ID_SAN_SHIH_ELECTRICAL_ENTERPRISE_CO_LTD
                                                                                        0x023C
                                                                                                   //SafeTech Products
                                                                                        0×0201
                                                                                                    //Samsung Electronics Co., Ltd.
                                                                                                   //Samsung SDS
                                                                                        0x022E
                                                                                                   //San Shih Electrical Enterprise Co.,
                                                                                        0x0093
#define MFG_ID_SANAV
#define MFG_ID_SCIENTIA_TECHNOLOGIES_INC
                                                                                        0x012C
                                                                                                   //SANAV
                                                                                        0x001F
                                                                                                   //Scientia Technologies, Inc.
#define MFG_ID_SECURE_WIRELESS
#define MFG_ID_SECURENET_TECHNOLOGIES
                                                                                        0×011E
                                                                                                   //Secure Wireless
//SecureNet Technologies
                                                                                        0x0167
#define MFG_ID_SECURIFI_LTD
#define MFG_ID_SELUXIT
                                                                                        0x0182
                                                                                                    //Securifi Ltd.
                                                                                        0x0069
                                                                                                    //Seluxit
#define MFG_ID_SENMATIC_AS
                                                                                        0x0043
                                                                                                    //Senmatic A/S
#define MFG_ID_SENSATIVE_AB
#define MFG_ID_SEQUOIA_TECHNOLOGY_LTD
#define MFG_ID_SERCOMM_CORP
#define MFG_ID_SHANGDONG_SMART_LIFE_DATA_SYSTEM_CO_LTD
                                                                                        0×019A
                                                                                                    //Sensative AB
                                                                                        0x0044
                                                                                                    //Sequoia Technology LTD
                                                                                                    //Sercomm Corp
                                                                                        0x0151
                                                                                        0x0215
                                                                                                    //Shangdong Smart Life Data System
#define MFG_ID_SHANGHAI_DORLINK_INTELLIGENT_TECHNOLOGIES_CO_LTD
                                                                                        0x023E
                                                                                                   //Shanghai Dorlink Intelligent
Technologies Co.,Ltd
#define MFG_ID_SHANGHAI_LONGCHUANG_ECOENERGY_SYSTEMS_CO_LTD
Systems Co., Ltd
#define MFG_ID_SHARP
                                                                                        0 \times 0205
                                                                                                   //Shanghai Longchuang Eco-energy
                                                                                        0x010B
                                                                                                    //Sharp
#define MFG_ID_SHENZHEN_AOYA_INDUSTRY_CO_LTD
                                                                                        0x021A
                                                                                                    //SHENZHEN AOYA INDUSTRY CO. LTD
#define MFG_ID_SHENZHEN_ISURPASS_TECHNOLOGY_CO_LTD
                                                                                        0x021C
                                                                                                    //Shenzhen iSurpass Technology Co.
#define MFG_ID_SHENZHEN_KAADAS_INTELLIGENT_TECHNOLOGY CO LTD
                                                                                        0x021D
                                                                                                   //Shenzhen Kaadas Intelligent
Technology Co., Ltd
#define MFG_ID_SHENZHEN_LIAO_WANG_TONG_DA_TECHNOLOGY_LTD
                                                                                        0x0211
                                                                                                    //Shenzhen Liao Wang Tong Da
Technology Ltd
#define MFG_ID_SHENZHEN_NEO_ELECTRONICS_CO_LTD
#define MFG_ID_SHENZHEN_TRIPATH_DIGITAL_AUDIO_EQUIPMENT_CO_LTD
                                                                                        0×0258
                                                                                                    //Shenzhen Neo Electronics Co., Ltd
                                                                                        0 \times 0.250
                                                                                                   //Shenzhen Tripath Digital Audio
Equipment Co., Ltd
#define MFG_ID_SIEGENIAAUBI_KG
                                                                                                   //SIEGENIA-AUBI KG
#define MFG_ID_SIGMA_DESIGNS
                                                                                                    //Sigma Designs (Former Zensys)
                                                                                        0x0000
#define MFG_ID_SINE_WIRELESS
#define MFG_ID_SMART_PRODUCTS_INC
#define MFG_ID_SMARTLY_AS
#define MFG_ID_SMK_MANUFACTURING_INC
                                                                                        0x0045
                                                                                                    //Sine Wireless
                                                                                        0x0046
                                                                                                    //Smart Products, Inc.
                                                                                        0x024F
                                                                                                    //Smartly AS
                                                                                        0x0102
                                                                                                    //SMK Manufacturing Inc.
#define MFG_ID_SOMFY
#define MFG_ID_SPECTRUM_BRANDS
                                                                                        0x0047
                                                                                                    //Somfy
                                                                                        0x0254
                                                                                                    //Spectrum Brands
#define MFG_ID_SQUARE_CONNECT
                                                                                        0x0124
                                                                                                    //Square Connect
#define MFG_ID_STT_ELECTRIC_CORPORATION #define MFG_ID_STARKOFF
                                                                                                    //ST&T Electric Corporation
                                                                                        0x021B
                                                                                                    //Starkoff
                                                                                        0x0259
#define MFG ID STELPRO
                                                                                                   //Stelpro
```

```
#define MFG ID STRATTEC ADVANCED LOGIC LLC
                                                                                                           //Strattec Advanced Logic, LLC
#define MFG_ID_STRATTEC_SECURITY_CORPORATION #define MFG_ID_SUMITOMO
                                                                                              0x0168
                                                                                                           //STRATTEC Security Corporation
                                                                                              0x0105
                                                                                                           //Sumitomo
#define MFG_ID_SUPERNA
#define MFG_ID_SWANN_COMMUNICATIONS_PTY_LTD
#define MFG_ID_SYLVANIA
#define MFG_ID_SYSTECH_CORPORATION
                                                                                              0 \times 0.054
                                                                                                           //Superna
                                                                                              0x0191
                                                                                                           //Swann Communications Ptv Ltd
                                                                                              0x0009
                                                                                                           //Sylvania
                                                                                                           //Systech Corporation
                                                                                              0x0136
#define MFG_ID_TAEWON_LIGHTING_CO_LTD
                                                                                              0x0235
                                                                                                           //TAEWON Lighting Co., Ltd.
#define MFG_ID_TAEWON_LIGHTING_CO_LTD
#define MFG_ID_TEAM_DIGITAL_LIMITED
#define MFG_ID_TEAM_PRECISION_PCL
#define MFG_ID_TECHNICOLOR
#define MFG_ID_TECHNIKU
#define MFG_ID_TECHNIKU
#define MFG_ID_TELL_IT_ONLINE
#define MFG_ID_TELL_DIS_TECHNOLOGIES_AB
#define MFG_ID_TELSEY
#define MFG_ID_TELLDLAR
#define MFG_ID_TELLAR
#define MFG_ID_TELPARA_ORTIMA_BY_RELMAID
                                                                                              0x0186
                                                                                                           //Team Digital Limited
                                                                                              0×0089
                                                                                                           //Team Precision PCL
                                                                                              0x0240
                                                                                                           //Technicolor
                                                                                                           //Techniku
                                                                                              0x000A
                                                                                              0x012F
                                                                                                           //Tecom Co., Ltd.
                                                                                              0x0012
                                                                                                           //Tell It Online
                                                                                              0x0176
                                                                                                           //Telldus Technologies AB
                                                                                              0×0048
                                                                                                           //Telsev
                                                                                              0x017E
                                                                                                           //Telular
 #define MFG_ID_TERRA_OPTIMA_BV_PRIMAIR_SERVICES
                                                                                              0x005C
                                                                                                           //Terra Optima B.V. (tidligere Primair
Services)
#define MFG_ID_THERE_CORPORATION
                                                                                              0x010C
                                                                                                           //There Corporation
#define MFG_ID_THERMOFLOOR
#define MFG_ID_TIMEVALVE_INC
#define MFG_ID_TKB_HOME
#define MFG_ID_TKH_GROUP_EMINENT
                                                                                              0x019B
0x022A
                                                                                                           //ThermoFloor
                                                                                                           //TIMEVALVE, Inc.
                                                                                              0x0118
                                                                                                           //TKB Home
                                                                                              0x011C
                                                                                                           //TKH Group / Eminent
                                                                                                           //Trane Corporation
 #define MFG ID TRANE CORPORATION
                                                                                              0x008B
#define MFG_ID_TRICKLESTAR
                                                                                              0x0066
                                                                                                           //TrickleStar
#define MFG_ID_TRICKLESTAR_LTD_EMPOWER_CONTROLS_LTD
                                                                                              0x006B
                                                                                                           //Tricklestar Ltd. (former Empower
Controls Ltd.)
#define MFG ID TRIDIUM
                                                                                                           //Tridium
#define MFG_ID_TWISTHINK
#define MFG_ID_UFAIRY_GR_TECH
#define MFG_ID_UNIVERSAL_DEVICES_INC
                                                                                                           //Twisthink
                                                                                              0x0049
                                                                                              0x0152
                                                                                                           //UFairy G.R. Tech
                                                                                              0x0193
                                                                                                           //Universal Devices, Inc
#define MFG_ID_UNIVERSAL_ELECTRONICS_INC
#define MFG_ID_UNIVERSE_FUTURE
#define MFG_ID_UTC_FIRE_AND_SECURITY_AMERICAS_CORP
#define MFG_ID_VDA
                                                                                              0x0020
                                                                                                           //Universal Electronics Inc.
                                                                                              0x0183
                                                                                                           //Universe Future
                                                                                              0x0209
                                                                                                           //UTC Fire and Security Americas Corp
                                                                                              0x010A
                                                                                                           //VDA
#define MFG_ID_VENSTAR_INC
                                                                                              0x0198
                                                                                                           //Venstar Inc.
#define MFG_ID_VERA_CONTROL
#define MFG_ID_VERO_DUCO
#define MFG_ID_VESTEL_ELEKTRONIK_TICARET_VE_SANAYI_AS
                                                                                              0x008C
0x0080
                                                                                                           //Vera Control
                                                                                                           //Vero Duco
                                                                                                           //Vestel Elektronik Ticaret ve Sanayi
                                                                                              0x0237
A.S.
#define MFG_ID_VIEWSONIC
                                                                                              0x0053
                                                                                                           //Viewsonic
#define MFG_ID_VIEWSONIC_CORPORATION
#define MFG_ID_VIMAR_CRS
                                                                                              0x005E
                                                                                                           //ViewSonic Corporation
                                                                                              0x0007
                                                                                                           //Vimar CRS
                                                                                                           //Vipa-Star
#define MFG_ID_VIPASTAR
#define MFG ID VISION SECURITY
                                                                                              0x0188
                                                                                              0x0109
                                                                                                           //Vision Security
#define MFG_ID_VISUALIZE
#define MFG_ID_VITELEC
                                                                                              0x004A
                                                                                                           //Visualize
                                                                                              0x0058
                                                                                                           //Vitelec
#define MFG_ID_VIVINT
#define MFG_ID_VSSAFETY_AS
#define MFG_ID_WATT_STOPPER
                                                                                                           //Vivint
                                                                                              0x0156
                                                                                              0x017B
                                                                                                           //Vs-Safety AS
                                                                                              0x004B
                                                                                                           //Watt Stopper
#define MFG_ID_WAYNE_DALTON
#define MFG_ID_WEBEE_LIFE
                                                                                              0x0008
                                                                                                           //Wayne Dalton
                                                                                              0x019F
                                                                                                           //Webee Life
#define MFG_ID_WEBEHOME_AB
                                                                                              0x0171
                                                                                                           //WeBeHome AB
#define MFG_ID_WENZHOU_MTLC_ELECTRIC_APPLIANCES_CO_LTD
                                                                                              0x011A
                                                                                                           //Wenzhou MTLC Electric Appliances
Co., Ltd.
#define MFG_ID_WHIRLPOOL
#define MFG_ID_WIDOM
                                                                                              0 \times 0.057
                                                                                                           //Whirlpool
                                                                                              0x0149
                                                                                                           //wiDom
 #define MFG_ID_WILLIS_ELECTRIC_CO_LTD
                                                                                              0x015D
                                                                                                           //Willis Electric Co., Ltd.
 #define MFG_ID_WILSHINE_HOLDING_CO_LTD
                                                                                              0x012D
                                                                                                           //Wilshine Holding Co., Ltd
#define MFG_ID_WINK_INC
                                                                                              0x017F
                                                                                                           //Wink Inc.
#define MFG_ID_WINTOP
#define MFG_ID_WINTOP
#define MFG_ID_WINYTECHNOLOGY
#define MFG_ID_WIRELESS_MAINGATE_AB
#define MFG_ID_WOODWARD_LABS
                                                                                              0x0097
                                                                                                           //Wintop
                                                                                                           //Winytechnology
                                                                                              0x0242
                                                                                              0x0199
                                                                                                           //Wireless Maingate AB
                                                                                              0x004C
                                                                                                           //Woodward Labs
#define MFG_ID_WRAP
#define MFG_ID_WRAP
#define MFG_ID_WRT_INTELLIGENT_TECHNOLOGY_CO_LTD
#define MFG_ID_WUHAN_NWD_TECHNOLOGY_CO_LTD
#define MFG_ID_XANBOO
                                                                                                           //Wr@p
                                                                                              0x0003
                                                                                                           //WRT Intelligent Technology CO., LTD.
                                                                                              0x022F
                                                                                                           //Wuhan NWD Technology Co., Ltd.
                                                                                              0×012E
                                                                                              0x004D
                                                                                                           //Xanboo
#define MFG ID ZDATA LLC
                                                                                              0x004E
                                                                                                           //Zdata, LLC.
 #define MFG_ID_ZHEJIANG_JIUXING_ELECTRIC_CO_LTD
                                                                                              0x016F
                                                                                                           //Zhejiang Jiuxing Electric Co Ltd
 #define MFG_ID_ZHOME
                                                                                              0x0139
                                                                                                           //Zhome
#define MFG ID_ZIPATO
#define MFG_ID_ZONOFF
#define MFG_ID_ZWAVE_TECHNOLOGIA
                                                                                              0x0131
                                                                                                           //Zipato
                                                                                              0x0120
                                                                                                           //Zonoff
                                                                                              0x004F
                                                                                                           //Z-Wave Technologia
 #define MFG ID ZWAVEME
                                                                                              0x0115
                                                                                                           //Z-Wave.Me
 #define MFG_ID_ZWORKS_INC
                                                                                              0x024D
                                                                                                           //Z-works Inc.
#define MFG_ID_ZYKRONIX
#define MFG_ID_ZYXEL
                                                                                              0x0021
                                                                                                           //Zykronix
                                                                                              0×0135
                                                                                                           //ZyXEL
```

```
******** command class identifiers **********/
#define COMMAND_CLASS_ALARM #define COMMAND_CLASS_ALARM_V2 #define COMMAND_CLASS_NOTIFICATION_V3 #define COMMAND_CLASS_NOTIFICATION_V4 #define COMMAND_CLASS_NOTIFICATION_V5 #define COMMAND_CLASS_NOTIFICATION_V6
                                                                                                                                                                                                                                              0x71 /*[DEPRECATED]*/
                                                                                                                                                                                                                                              0x71 /*[DEPRECATED]*/
                                                                                                                                                                                                                                              0x71
                                                                                                                                                                                                                                              0x71
                                                                                                                                                                                                                                              0x71
                                                                                                                                                                                                                                              0x71
 #define COMMAND_CLASS_NOTIFICATION_V7
                                                                                                                                                                                                                                              0x71
#define COMMAND_CLASS_NOTIFICATION_V7
#define COMMAND_CLASS_NOTIFICATION_V8
#define COMMAND_CLASS_APPLICATION_STATUS
#define COMMAND_CLASS_ASSOCIATION_COMMAND_CONFIGURATION
#define COMMAND_CLASS_ASSOCIATION_V2
#define COMMAND_CLASS_AV_CONTENT_DIRECTORY_MD
#define COMMAND_CLASS_AV_CONTENT_SEARCH_MD
#define COMMAND_CLASS_AV_RENDERER_STATUS
#define COMMAND_CLASS_AV_TAGGING_MD
#define COMMAND_CLASS_AV_TAGGING_MD
#define COMMAND_CLASS_BASIC_TARIFF_INFO
                                                                                                                                                                                                                                              0x71
                                                                                                                                                                                                                                              0 \times 22
                                                                                                                                                                                                                                              0x9B
                                                                                                                                                                                                                                              0x85
                                                                                                                                                                                                                                              0x95
                                                                                                                                                                                                                                              0x97
                                                                                                                                                                                                                                              0x96
                                                                                                                                                                                                                                              0x99
 #define COMMAND_CLASS_BASIC_TARIFF_INFO
#define COMMAND_CLASS_BASIC_WINDOW_COVERING
                                                                                                                                                                                                                                              0x36
                                                                                                                                                                                                                                              0x50 /*[OBSOLETED]*/
#define COMMAND_CLASS_BASIC_V2
#define COMMAND_CLASS_BASIC_V2
#define COMMAND_CLASS_BATTERY
#define COMMAND_CLASS_CLIMATE_CONTROL_SCHEDULE
                                                                                                                                                                                                                                              0x20
                                                                                                                                                                                                                                              0x20
                                                                                                                                                                                                                                              0x80
                                                                                                                                                                                                                                              0x2A
                                                                                                                                                                                                                                              0x46 /*[DEPRECATED]*/
 #define COMMAND CLASS CLOCK
                                                                                                                                                                                                                                              0x81
#define COMMAND CLASS CONFIGURATION
#define COMMAND CLASS CONFIGURATION V2
#define COMMAND CLASS CONFIGURATION V3
#define COMMAND CLASS CONFIGURATION V4
                                                                                                                                                                                                                                              0x70
                                                                                                                                                                                                                                              0 \times 70
                                                                                                                                                                                                                                              0 \times 70
                                                                                                                                                                                                                                              0x70
#define COMMAND_CLASS_CONFIGURATION_V4
#define COMMAND_CLASS_CONFOLLER_REPLICATION
#define COMMAND_CLASS_CRC_16_ENCAP
#define COMMAND_CLASS_DCP_CONFIG
#define COMMAND_CLASS_DCP_MONITOR
#define COMMAND_CLASS_DOOR_LOCK_LOGGING
#define COMMAND_CLASS_DOOR_LOCK
#define COMMAND_CLASS_DOOR_LOCK_V2
                                                                                                                                                                                                                                              0x21
                                                                                                                                                                                                                                              0x56
                                                                                                                                                                                                                                              0x3A
                                                                                                                                                                                                                                              0x3B
                                                                                                                                                                                                                                              0x4C
                                                                                                                                                                                                                                              0x62
                                                                                                                                                                                                                                              0x62
 #define COMMAND_CLASS_DOOR_LOCK_V3
                                                                                                                                                                                                                                              0x62
#define COMMAND CLASS ENERGY PRODUCTION
#define COMMAND CLASS FIRMWARE UPDATE MD
#define COMMAND CLASS FIRMWARE UPDATE MD V2
#define COMMAND CLASS FIRMWARE UPDATE MD V3
                                                                                                                                                                                                                                              0x90
                                                                                                                                                                                                                                              0x7A /*[DEPRECATED]*/
                                                                                                                                                                                                                                              0x7A
                                                                                                                                                                                                                                              0x7A
#define COMMAND CLASS FIRMWARE UPDATE MD_V4
#define COMMAND_CLASS_FIRMWARE_UPDATE_MD_V5
#define COMMAND_CLASS_GEOGRAPHIC_LOCATION
                                                                                                                                                                                                                                              0x7A
                                                                                                                                                                                                                                              0x7A
                                                                                                                                                                                                                                              0×8C
#define COMMAND_CLASS_GROUPING_NAME
#define COMMAND_CLASS_HAIL
                                                                                                                                                                                                                                              0x7B /*[DEPRECATED]*/
                                                                                                                                                                                                                                              0x82 /*[DEPRECATED]*/
#define COMMAND_CLASS_HRV_CONTROL
#define COMMAND_CLASS_HRV_STATUS
                                                                                                                                                                                                                                              0x39
                                                                                                                                                                                                                                              0x37
#define COMMAND_CLASS_INDICATOR
#define COMMAND_CLASS_INDICATOR_V2
#define COMMAND_CLASS_IP_CONFIGURATION
#define COMMAND_CLASS_LANGUAGE
#define COMMAND_CLASS_LOCK
                                                                                                                                                                                                                                              0x87
                                                                                                                                                                                                                                              0 \times 87
                                                                                                                                                                                                                                              0x9A /*[OBSOLETED]*/
                                                                                                                                                                                                                                              0x89
                                                                                                                                                                                                                                              0x76 /*[DEPRECATED]*/
 #define COMMAND_CLASS_MANUFACTURER_PROPRIETARY
                                                                                                                                                                                                                                              0x91
#define COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2
#define COMMAND_CLASS_MARK
#define COMMAND_CLASS_MARK
#define COMMAND_CLASS_METER_PULSE
                                                                                                                                                                                                                                              0x72
                                                                                                                                                                                                                                              0 \times 72
                                                                                                                                                                                                                                              0xEF
                                                                                                                                                                                                                                              0x35 /*[DEPRECATED]*/
#define COMMAND CLASS METER PULSE
#define COMMAND CLASS METER TBL CONFIG
#define COMMAND CLASS METER TBL MONITOR
#define COMMAND CLASS METER TBL MONITOR V2
#define COMMAND CLASS METER TBL PUSH
#define COMMAND CLASS METER V2
#define COMMAND CLASS METER V2
#define COMMAND CLASS METER V3
                                                                                                                                                                                                                                              0x3C
                                                                                                                                                                                                                                              0x3D
                                                                                                                                                                                                                                              0 \times 3 D
                                                                                                                                                                                                                                              0x3E
                                                                                                                                                                                                                                              0x32
                                                                                                                                                                                                                                              0x32
 #define COMMAND_CLASS_METER_V4
                                                                                                                                                                                                                                              0x32
#define COMMAND_CLASS_METER_V4
#define COMMAND_CLASS_MTP_WINDOW_COVERING
#define COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION_V2
#define COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION_V3
#define COMMAND_CLASS_MULTI_CHANNEL_V2
#define COMMAND_CLASS_MULTI_CHANNEL_V3
#define COMMAND_CLASS_MULTI_CHANNEL_V4
#define COMMAND_CLASS_MULTI_CMD
#define COMMAND_CLASS_MULTI_CMD
#define COMMAND_CLASS_MULTI_INSTANCE_ASSOCIATION
#define COMMAND_CLASS_MULTI_INSTANCE
                                                                                                                                                                                                                                              0x51 /*[OBSOLETED]*/
                                                                                                                                                                                                                                              0x8E
                                                                                                                                                                                                                                              0x8E
                                                                                                                                                                                                                                              0x60 /*[OBSOLETED]*/
                                                                                                                                                                                                                                              0x60
                                                                                                                                                                                                                                              0x60
                                                                                                                                                                                                                                              0x8F
                                                                                                                                                                                                                                              0x8E /*[OBSOLETED]*/
                                                                                                                                                                                                                                              0x60 /*[OBSOLETED]*/
 #define COMMAND_CLASS_NETWORK_MANAGEMENT_PROXY
#define COMMAND_CLASS_NETWORK_MANAGEMENT_PROXY_V2
                                                                                                                                                                                                                                              0x52
                                                                                                                                                                                                                                              0x52
#define COMMAND_CLASS_NETWORK_MANAGEMENT_BASIC_V2
#define COMMAND_CLASS_NETWORK_MANAGEMENT_BASIC_V2
#define COMMAND_CLASS_NETWORK_MANAGEMENT_INCLUSION
#define COMMAND_CLASS_NETWORK_MANAGEMENT_INCLUSION_V2
                                                                                                                                                                                                                                              0x4D
                                                                                                                                                                                                                                              0 \times 4 D
                                                                                                                                                                                                                                              0x34
                                                                                                                                                                                                                                              0x34
```

```
#define COMMAND CLASS NO OPERATION
                                                                                                                                                                                                0x00
#define COMMAND_CLASS_NODE_NAMING
#define COMMAND_CLASS_NON_INTEROPERABLE
                                                                                                                                                                                                0x77
                                                                                                                                                                                                0xF0
#define COMMAND_CLASS_POWERLEVEL
#define COMMAND_CLASS_PREPAYMENT_ENCAPSULATION
                                                                                                                                                                                                0x73
                                                                                                                                                                                                0x41
#define COMMAND_CLASS_PREPAYMENT
#define COMMAND_CLASS_PROPRIETARY
                                                                                                                                                                                                0x3F
                                                                                                                                                                                                0x88 /*[DEPRECATED]*/
 #define COMMAND_CLASS_PROTECTION
                                                                                                                                                                                                0x75
#define COMMAND_CLASS_PROTECTION V2
#define COMMAND_CLASS_RATE_TBL_CONFIG
#define COMMAND_CLASS_RATE_TBL_MONITOR
#define COMMAND_CLASS_RATE_TBL_MONITOR
#define COMMAND_CLASS_REMOTE_ASSOCIATION_ACTIVATE
#define COMMAND_CLASS_SCENE_ACTIVATION
#define COMMAND_CLASS_SCENE_ACTIVATION
                                                                                                                                                                                                0x75
                                                                                                                                                                                                0 \times 48
                                                                                                                                                                                                0x49
                                                                                                                                                                                                0x7C /*[OBSOLETED]*/
                                                                                                                                                                                                0x7D /*[OBSOLETED]*/
                                                                                                                                                                                                0x2B
#define COMMAND_CLASS_SCENE_ACTUATOR_CONF
                                                                                                                                                                                                0×2C
#define COMMAND_CLASS_SCENE_CONTROLLER_CONF
#define COMMAND_CLASS_SCHEDULE_ENTRY_LOCK
                                                                                                                                                                                                0x2D
                                                                                                                                                                                                0x4E /*[DEPRECATED]*/
#define COMMAND_CLASS_SCHEDULE_ENTRY_LOCK_V2
#define COMMAND_CLASS_SCHEDULE_ENTRY_LOCK_V3
                                                                                                                                                                                                0x4E /*[DEPRECATED]*/
                                                                                                                                                                                                0x4E /*[DEPRECATED]*/
#define COMMAND_CLASS_SCREEN_ATTRIBUTES
                                                                                                                                                                                                0x93
#define COMMAND_CLASS_SCREEN_ATTRIBUTES_V2
#define COMMAND_CLASS_SCREEN_MD
#define COMMAND_CLASS_SCREEN_MD_V2
#define COMMAND_CLASS_SCREEN_MD_V2
#define COMMAND_CLASS_SECURITY_PANEL_MODE
                                                                                                                                                                                                0 \times 93
                                                                                                                                                                                                0x92
                                                                                                                                                                                                0x92
                                                                                                                                                                                                0x24
 #define COMMAND CLASS SECURITY PANEL ZONE SENSOR
                                                                                                                                                                                                0x2F
#define COMMAND_CLASS_SECURITY_PANEL_ZONE
#define COMMAND_CLASS_SECURITY
#define COMMAND_CLASS_SECURITY
#define COMMAND_CLASS_SENSOR_ALARM
Sensor Alarm command class can be used to realize Sensor Alarms.*/
                                                                                                                                                                                                0x2E
                                                                                                                                                                                                0×98
                                                                                                                                                                                                0x9C /*SDS10963-4 The
 #define COMMAND_CLASS_SENSOR_BINARY
                                                                                                                                                                                                0x30 /*[DEPRECATED]*
#define COMMAND CLASS SENSOR BINARY V2
#define COMMAND CLASS SENSOR CONFIGURATION
#define COMMAND CLASS SENSOR MULTILEVEL
#define COMMAND CLASS SENSOR MULTILEVEL V2
#define COMMAND CLASS SENSOR MULTILEVEL V3
#define COMMAND CLASS SENSOR MULTILEVEL V4
                                                                                                                                                                                                0x30 /*[DEPRECATED]*/
0x9E /*[OBSOLETED]*/
                                                                                                                                                                                                0x31
                                                                                                                                                                                                0x31
                                                                                                                                                                                                0x31
                                                                                                                                                                                                0x31
#define COMMAND_CLASS_SENSOR_MULTILEVEL_V5
                                                                                                                                                                                                0x31
#define COMMAND_CLASS_SENSOR_MULTILEVEL_V6
#define COMMAND_CLASS_SENSOR_MULTILEVEL_V7
#define COMMAND_CLASS_SENSOR_MULTILEVEL_V8
#define COMMAND_CLASS_SENSOR_MULTILEVEL_V9
                                                                                                                                                                                                0x31
                                                                                                                                                                                                0 \times 31
                                                                                                                                                                                                0x31
                                                                                                                                                                                                0x31
#define COMMAND_CLASS_SENSOR_MULTILEVEL_V10
#define COMMAND_CLASS_SILENCE_ALARM
                                                                                                                                                                                                0x9D /*SDS10963-4 The
Alarm Silence command class can be used to nuisance silence to temporarily disable the sounding*/
#define COMMAND_CLASS_SIMPLE_AV_CONTROL #define COMMAND CLASS_SWITCH_ALL
                                                                                                                                                                                                0 \times 94
                                                                                                                                                                                                0x27
#define COMMAND_CLASS_SWITCH_BINARY
#define COMMAND_CLASS_SWITCH_BINARY_V2
                                                                                                                                                                                                0x25
                                                                                                                                                                                                0x25
0x26
                                                                                                                                                                                                0x26
                                                                                                                                                                                                0x26
                                                                                                                                                                                                0x26
                                                                                                                                                                                                0x28 /*[DEPRECATED]*/
 #define COMMAND_CLASS_SWITCH_TOGGLE_MULTILEVEL
                                                                                                                                                                                                0x29 /*[DEPRECATED]*/
#define COMMAND_CLASS_TARIFF_CONFIG
#define COMMAND_CLASS_TARIFF_TBL_MONITOR
#define COMMAND_CLASS_THERMOSTAT_FAN_MODE
#define COMMAND_CLASS_THERMOSTAT_FAN_MODE_V2
                                                                                                                                                                                                0x4A
                                                                                                                                                                                                0 \times 4B
                                                                                                                                                                                                0 \times 44
                                                                                                                                                                                                0x44
#define COMMAND CLASS THERMOSTAT FAN MODE V2
#define COMMAND CLASS THERMOSTAT FAN MODE V4
#define COMMAND CLASS THERMOSTAT FAN MODE V4
#define COMMAND CLASS THERMOSTAT FAN STATE
#define COMMAND CLASS THERMOSTAT FAN STATE V2
#define COMMAND CLASS THERMOSTAT HEATING
#define COMMAND CLASS THERMOSTAT MODE
#define COMMAND CLASS THERMOSTAT MODE V2
                                                                                                                                                                                                0x44
                                                                                                                                                                                                0x44
                                                                                                                                                                                                0 \times 4.5
                                                                                                                                                                                                0x45
                                                                                                                                                                                                0x38
                                                                                                                                                                                                0x40
                                                                                                                                                                                                0x40
#define COMMAND_CLASS_THERMOSTAT_MODE_V3
                                                                                                                                                                                                0x40
#define COMMAND_CLASS_THERMOSTAT_MODE_V3
#define COMMAND_CLASS_THERMOSTAT_OPERATING_STATE
#define COMMAND_CLASS_THERMOSTAT_OPERATING_STATE_V2
#define COMMAND_CLASS_THERMOSTAT_SETBACK
#define COMMAND_CLASS_THERMOSTAT_SETPOINT_V2
#define COMMAND_CLASS_THERMOSTAT_SETPOINT_V3
#define COMMAND_CLASS_THERMOSTAT_SETPOINT_V3
#define COMMAND_CLASS_TIME_PARAMETERS
#define COMMAND_CLASS_TIME_V2
#define COMMAND_CLASS_TIME_V2
                                                                                                                                                                                                0x42
                                                                                                                                                                                                0 \times 42
                                                                                                                                                                                                0x47
                                                                                                                                                                                                0x43
                                                                                                                                                                                                0x43
                                                                                                                                                                                                0×8B
                                                                                                                                                                                                0x8A
                                                                                                                                                                                                0x8A
#define COMMAND_CLASS_TRANSPORT_SERVICE_V2
#define COMMAND_CLASS_TRANSPORT_SERVICE
                                                                                                                                                                                                0x55
                                                                                                                                                                                                0x55 /*[OBSOLETED]*/
#define COMMAND_CLASS_USER_CODE
#define COMMAND_CLASS_VERSION
#define COMMAND_CLASS_VERSION_V2
                                                                                                                                                                                                0x63
                                                                                                                                                                                                0×86
                                                                                                                                                                                                0x86
#define COMMAND CLASS WAKE UP
                                                                                                                                                                                                0x84
```

```
#define COMMAND CLASS WAKE UP V2
                                                                                                                                                                                     0x84
#define COMMAND_CLASS_ZIP_6LOWPAN
#define COMMAND_CLASS_ZIP
                                                                                                                                                                                     0x4F
                                                                                                                                                                                     0x23 /*[OBSOLETED]*/
#define COMMAND_CLASS_ZIP_V2
#define COMMAND_CLASS_ZIP_V3
#define COMMAND_CLASS_APPLICATION_CAPABILITY
#define COMMAND_CLASS_SWITCH_COLOR
                                                                                                                                                                                     0x23
                                                                                                                                                                                     0x23
                                                                                                                                                                                     0x57
                                                                                                                                                                                     0x33
 #define COMMAND_CLASS_SWITCH_COLOR_V2
#define COMMAND_CLASS_SWITCH_COLOR_V2
#define COMMAND_CLASS_SWITCH_COLOR_V3
#define COMMAND_CLASS_SCHEDULE
#define COMMAND_CLASS_SCHEDULE_V2
#define COMMAND_CLASS_SCHEDULE_V3
#define COMMAND_CLASS_NETWORK_MANAGEMENT_PRIMARY
#define COMMAND_CLASS_ZIP_ND
                                                                                                                                                                                     0x33
                                                                                                                                                                                     0 \times 53
                                                                                                                                                                                     0x53
                                                                                                                                                                                     0x53
                                                                                                                                                                                     0x58
#define COMMAND CLASS ASSOCIATION GRP_INFO #define COMMAND CLASS ASSOCIATION GRP_INFO_V2 #define COMMAND_CLASS_ASSOCIATION_GRP_INFO_V3
                                                                                                                                                                                     0x59
                                                                                                                                                                                     0x59
                                                                                                                                                                                     0x59
#define COMMAND_CLASS_DEVICE_RESET_LOCALLY
#define COMMAND_CLASS_CENTRAL_SCENE
                                                                                                                                                                                     0x5A
                                                                                                                                                                                     0x5B
 #define COMMAND_CLASS_CENTRAL_SCENE_V2
                                                                                                                                                                                     0x5B
#define COMMAND_CLASS_CENTRAL_SCENE_V2
#define COMMAND_CLASS_IP_ASSOCIATION
#define COMMAND_CLASS_ANTITHEFT
#define COMMAND_CLASS_ANTITHEFT_V2
                                                                                                                                                                                     0x5B
                                                                                                                                                                                     0x5C
                                                                                                                                                                                     0x5D /*[OBSOLETED]*/
 #define COMMAND CLASS ZWAVEPLUS INFO
                                                                                                                                                                                     0x5E /*[OBSOLETED]*/
#define COMMAND_CLASS_ZWAVEPLUS_INFO_V2
#define COMMAND_CLASS_ZIP_GATEWAY
#define COMMAND_CLASS_ZIP_PORTAL
#define COMMAND_CLASS_DMX
                                                                                                                                                                                     0x5E /*SDS11907-3*/
                                                                                                                                                                                     0x5F
                                                                                                                                                                                     0x61
                                                                                                                                                                                     0x65
#define COMMAND_CLASS_BARRIER_OPERATOR
#define COMMAND_CLASS_NETWORK_MANAGEMENT_INSTALLATION_MAINTENANCE
#define COMMAND_CLASS_ZIP_NAMING
                                                                                                                                                                                     0x66
                                                                                                                                                                                     0x67
                                                                                                                                                                                     0x68
#define COMMAND_CLASS_MAILBOX
#define COMMAND_CLASS_WINDOW_COVERING
#define COMMAND_CLASS_SECURITY_2
#define COMMAND_CLASS_IRRIGATION
                                                                                                                                                                                     0x69
                                                                                                                                                                                     0x6A
                                                                                                                                                                                     0x9F
                                                                                                                                                                                     0x6B
                                                                                                                                                                                     0x6C
 #define COMMAND_CLASS_SUPERVISION
#define COMMAND_CLASS_HUMIDITY_CONTROL_SETPOINT
#define COMMAND_CLASS_HUMIDITY_CONTROL_MODE
#define COMMAND_CLASS_HUMIDITY_CONTROL_OPERATING_STATE
#define COMMAND_CLASS_ENTRY_CONTROL
                                                                                                                                                                                     0x64
                                                                                                                                                                                     0×6D
                                                                                                                                                                                     0x6E
                                                                                                                                                                                     0x6F
 #define COMMAND_CLASS_INCLUSION_CONTROLLER
                                                                                                                                                                                     0x74
 /******** command class extended identifiers **********/
#define COMMAND_CLASS_SECURITY_SCHEME0_MARK
                                                                                                                                                                                     0xF100
 /* Unknown command class commands */
 #define UNKNOWN VERSION
                                                                                                                                                                                     0x00
 /* Alarm command class commands */
#define ALARM VERSION
                                                                                                                                                                                     0x01
 #define ALARM GET
                                                                                                                                                                                     0x04
 #define ALARM REPORT
                                                                                                                                                                                     0x05
/* Alarm command class commands */#define ALARM_VERSION_V2#define ALARM_GET_V2
                                                                                                                                                                                     0 \times 0.2
                                                                                                                                                                                     0 \times 0.4
 #define ALARM REPORT V2
                                                                                                                                                                                     0x05
 #define ALARM_SET_V2
                                                                                                                                                                                     0x06
 #define ALARM_TYPE_SUPPORTED_GET_V2
                                                                                                                                                                                     0x07
#define ALARM_TYPE_SUPPORTED_REPORT_V2
/* Values used for Alarm Get_command */
                                                                                                                                                                                     0×08
/* Values used for Alarm Get command */
#define ALARM_GET_RESERVED_V2
#define ALARM_GET_SMOKE_V2
#define ALARM_GET_CO_V2
#define ALARM_GET_CO_V2
#define ALARM_GET_HEAT_V2
#define ALARM_GET_WATER_V2
#define ALARM_GET_BURGLAR_V2
#define ALARM_GET_BURGLAR_V2
#define ALARM_GET_SUREM_V2
#define ALARM_GET_SWSTEM_V2
#define ALARM_GET_SYSTEM_V2
#define ALARM_GET_SYSTEM_V2
#define ALARM_GET_EMERGENCY_V2
#define ALARM_GET_CLOCK_V2
#define ALARM_GET_FIRST_V2
/* Values used for Alarm Report command */
#define ALARM_REPORT_RESERVED_V2
                                                                                                                                                                                     0x00
                                                                                                                                                                                     0x01
                                                                                                                                                                                     0x02
                                                                                                                                                                                     0x03
                                                                                                                                                                                     0x04
                                                                                                                                                                                     0 \times 0.5
                                                                                                                                                                                     0x06
                                                                                                                                                                                     0x07
                                                                                                                                                                                     0x08
                                                                                                                                                                                     0x09
                                                                                                                                                                                     0x0A
                                                                                                                                                                                     0x0B
                                                                                                                                                                                     0xFF
 #define ALARM_REPORT_RESERVED_V2
                                                                                                                                                                                     0x00
 #define ALARM_REPORT_SMOKE_V2
                                                                                                                                                                                     0x01
#define ALARM_REPORT_CO_V2
#define ALARM_REPORT_CO2_V2
                                                                                                                                                                                     0 \times 02
                                                                                                                                                                                     0x03
 #define ALARM REPORT HEAT V2
                                                                                                                                                                                     0x04
```

```
#define ALARM REPORT WATER V2
                                                                                                                                                                                                                                                                                      0x05
 #define ALARM_REPORT_ACCESS_CONTROL_V2
#define ALARM_REPORT_BURGLAR_V2
                                                                                                                                                                                                                                                                                      0x06
                                                                                                                                                                                                                                                                                      0x07
 #define ALARM_REFORT_POWER_MANAGEMENT_V2
#define ALARM_REPORT_SYSTEM_V2
                                                                                                                                                                                                                                                                                      0x08
                                                                                                                                                                                                                                                                                      0x09
 #define ALARM_REPORT_EMERGENCY_V2
#define ALARM_REPORT_CLOCK_V2
#define ALARM_REPORT_FIRST_V2
                                                                                                                                                                                                                                                                                      0x0A
                                                                                                                                                                                                                                                                                      0x0B
#define ALARM_REPORT_FIRST_V2
/* Values used for Alarm Set command */
#define ALARM_SET_RESERVED_V2
#define ALARM_SET_SMOKE_V2
#define ALARM_SET_CO_V2
#define ALARM_SET_CO_V2
#define ALARM_SET_HEAT_V2
#define ALARM_SET_WATER_V2
#define ALARM_SET_BURGLAR_V2
#define ALARM_SET_BURGLAR_V2
#define ALARM_SET_BURGLAR_V2
#define ALARM_SET_SYSTEM_V2
#define ALARM_SET_SYSTEM_V2
#define ALARM_SET_EMERGENCY_V2
#define ALARM_SET_EMERGENCY_V2
#define ALARM_SET_CLOCK_V2
                                                                                                                                                                                                                                                                                      0×00
                                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                                      0x03
                                                                                                                                                                                                                                                                                      0x04
                                                                                                                                                                                                                                                                                      0x05
                                                                                                                                                                                                                                                                                      0 \times 0.6
                                                                                                                                                                                                                                                                                      0x07
                                                                                                                                                                                                                                                                                      0x08
                                                                                                                                                                                                                                                                                      0x09
                                                                                                                                                                                                                                                                                      0x0A
 #define ALARM_SET_CLOCK_V2
#define ALARM_SET_FIRST_V2
                                                                                                                                                                                                                                                                                      0x0B
                                                                                                                                                                                                                                                                                      0xFF
   '* Values used for Alarm Type Supported Report command */
#define ALARM_TYPE_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V2
#define ALARM_TYPE_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V2
#define ALARM_TYPE_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V2
#define ALARM_TYPE_SUPPORTED_REPORT_PROPERTIES1_V1_ALARM_BIT_MASK_V2
                                                                                                                                                                                                                                                                                      0x1F
                                                                                                                                                                                                                                                                                      0x60
                                                                                                                                                                                                                                                                                      0x05
                                                                                                                                                                                                                                                                                      0x80
  /* Notification command class commands */
 #define NOTIFICATION_VERSION_V3
#define NOTIFICATION_GET_V3
                                                                                                                                                                                                                                                                                      0x03
                                                                                                                                                                                                                                                                                      0x04
 #define NOTIFICATION_REPORT_V3
                                                                                                                                                                                                                                                                                      0x05
 #define NOTIFICATION_SET_V3
#define NOTIFICATION_SUPPORTED_GET_V3
#define NOTIFICATION_SUPPORTED_REPORT_V3
                                                                                                                                                                                                                                                                                      0x06
                                                                                                                                                                                                                                                                                      0x07
                                                                                                                                                                                                                                                                                      0x08
  #define EVENT SUPPORTED GET V3
                                                                                                                                                                                                                                                                                      0x01
 #define EVENT_SUPPORTED_REPORT_V3
                                                                                                                                                                                                                                                                                      0x02
#define NOTIFICATION_GET_MATER_V3
#define NOTIFICATION_GET_CO_V3
#define NOTIFICATION_GET_CO_V3
#define NOTIFICATION_GET_CO_V3
#define NOTIFICATION_GET_CO_V3
#define NOTIFICATION_GET_WATER_V3
#define NOTIFICATION_GET_WATER_V3
                                                                                                                                                                                                                                                                                      0×00
                                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                                      0x03
                                                                                                                                                                                                                                                                                      0x04
                                                                                                                                                                                                                                                                                      0x05
 #define NOTIFICATION_GET_ACCESS_CONTROL_V3
#define NOTIFICATION_GET_BURGLAR_V3
#define NOTIFICATION_GET_POWER_MANAGEMENT_V3
#define NOTIFICATION_GET_SYSTEM_V3
                                                                                                                                                                                                                                                                                      0 \times 0.6
                                                                                                                                                                                                                                                                                      0x07
                                                                                                                                                                                                                                                                                      0x08
                                                                                                                                                                                                                                                                                      0x09
 #define NOTIFICATION_GET_EMERGENCY_V3
#define NOTIFICATION_GET_CLOCK_V3
#define NOTIFICATION_GET_FIRST_V3
                                                                                                                                                                                                                                                                                      0x0A
                                                                                                                                                                                                                                                                                      0 \times 0 B
                                                                                                                                                                                                                                                                                      0xFF
  /* Values used for Notification Report command */
/* Values used for Notification Report define NoTIFICATION_REPORT_RESERVED_V3 #define NOTIFICATION_REPORT_SMOKE_V3 #define NOTIFICATION_REPORT_CO_V3 #define NOTIFICATION_REPORT_CO_V3 #define NOTIFICATION_REPORT_HEAT_V3 #define NOTIFICATION_REPORT_WATER_V3
                                                                                                                                                                                                                                                                                      0x00
                                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                                      0 \times 0.3
                                                                                                                                                                                                                                                                                      0 \times 0.4
                                                                                                                                                                                                                                                                                      0x05
#define NOTIFICATION_REPORT_WATER_V3
#define NOTIFICATION_REPORT_ACCESS_CONTROL_V3
#define NOTIFICATION_REPORT_BURGLAR_V3
#define NOTIFICATION_REPORT_POWER_MANAGEMENT_V3
#define NOTIFICATION_REPORT_SYSTEM_V3
#define NOTIFICATION_REPORT_EMERGENCY_V3
#define NOTIFICATION_REPORT_CLOCK_V3
#define NOTIFICATION_REPORT_FIRST_V3
#define NOTIFICATION_REPORT_FIRST_V3
#define NOTIFICATION_REPORT_PROPERTIES1_EVENT_PARAMETERS_LENGTH_MASK_V3
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_SHIFT_V3
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_SHIFT_V3
#define NOTIFICATION_REPORT_PROPERTIES1_SEQUENCE_BIT_MASK_V3
/* Values used for Notification Set command */
#define NOTIFICATION_SET RESERVED V3
                                                                                                                                                                                                                                                                                      0x06
                                                                                                                                                                                                                                                                                      0x07
                                                                                                                                                                                                                                                                                      0×08
                                                                                                                                                                                                                                                                                      0x09
                                                                                                                                                                                                                                                                                      0x0A
                                                                                                                                                                                                                                                                                      0x0B
                                                                                                                                                                                                                                                                                      0xFF
                                                                                                                                                                                                                                                                                      0x1F
                                                                                                                                                                                                                                                                                      0x60
                                                                                                                                                                                                                                                                                      0 \times 0.5
                                                                                                                                                                                                                                                                                      0x80
/* Values used for Notification Set command
#define NOTIFICATION_SET_RESERVED_V3
#define NOTIFICATION_SET_SMOKE_V3
#define NOTIFICATION_SET_CO_V3
#define NOTIFICATION_SET_CO2_V3
#define NOTIFICATION_SET_HEAT_V3
#define NOTIFICATION_SET_WATER_V3
#define NOTIFICATION_SET_ACCESS_CONTROL_V3
#define NOTIFICATION_SET_BURGLAR_V3
                                                                                                                                                                                                                                                                                      0x00
                                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                                      0x03
                                                                                                                                                                                                                                                                                      0x04
                                                                                                                                                                                                                                                                                      0x05
                                                                                                                                                                                                                                                                                      0x06
 #define NOTIFICATION_SET_BURGLAR_V3
#define NOTIFICATION_SET_POWER_MANAGEMENT_V3
#define NOTIFICATION_SET_SYSTEM_V3
#define NOTIFICATION_SET_EMERGENCY_V3
                                                                                                                                                                                                                                                                                      0x07
                                                                                                                                                                                                                                                                                      0×08
                                                                                                                                                                                                                                                                                      0x09
                                                                                                                                                                                                                                                                                      0x0A
```

```
#define NOTIFICATION SET CLOCK V3
                                                                                                                                                                                                                                                                                                                           0x0B
 #define NOTIFICATION_SET_FIRST_V3
                                                                                                                                                                                                                                                                                                                           0xFF
  /* Values used for Notification Supported Report command */
 #define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V3
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V3
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V3
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_V1_ALARM_BIT_MASK_V3
                                                                                                                                                                                                                                                                                                                           0x1F
                                                                                                                                                                                                                                                                                                                           0x60
                                                                                                                                                                                                                                                                                                                           0x05
                                                                                                                                                                                                                                                                                                                           0x80
  /* Values used for Event Supported Get command */
/* Values used for Event Supported Get command *
#define EVENT_SUPPORTED_GET_RESERVED_V3
#define EVENT_SUPPORTED_GET_SMOKE_V3
#define EVENT_SUPPORTED_GET_CO_V3
#define EVENT_SUPPORTED_GET_CO_V3
#define EVENT_SUPPORTED_GET_CO_V3
#define EVENT_SUPPORTED_GET_HEAT_V3
#define EVENT_SUPPORTED_GET_WATER_V3
#define EVENT_SUPPORTED_GET_WATER_V3
#define EVENT_SUPPORTED_GET_BURGLAR_V3
#define EVENT_SUPPORTED_GET_POWER_MANAGEMENT_V3
#define EVENT_SUPPORTED_GET_SYSTEM_V3
#define EVENT_SUPPORTED_GET_SYSTEM_V3
#define EVENT_SUPPORTED_GET_EMERGENCY_V3
#define EVENT_SUPPORTED_GET_EMERGENCY_V3
#define EVENT_SUPPORTED_GET_COCK_V3
                                                                                                                                                                                                                                                                                                                           0 \times 0 0
                                                                                                                                                                                                                                                                                                                           0 \times 01
                                                                                                                                                                                                                                                                                                                           0x02
                                                                                                                                                                                                                                                                                                                           0x03
                                                                                                                                                                                                                                                                                                                           0x04
                                                                                                                                                                                                                                                                                                                           0x05
                                                                                                                                                                                                                                                                                                                           0x06
                                                                                                                                                                                                                                                                                                                           0 \times 0.7
                                                                                                                                                                                                                                                                                                                           0x08
                                                                                                                                                                                                                                                                                                                           0x09
                                                                                                                                                                                                                                                                                                                           0x0A
#define EVENT_SUPPORTED_GET_EMERGENCY_V3
#define EVENT_SUPPORTED_GET_CLOCK_V3
#define EVENT_SUPPORTED_GET_FIRST_V3
/* Values used for Event Supported Report command */
#define EVENT_SUPPORTED_REPORT_RESERVED_V3
#define EVENT_SUPPORTED_REPORT_CO_V3
#define EVENT_SUPPORTED_REPORT_CO_V3
                                                                                                                                                                                                                                                                                                                           0x0B
                                                                                                                                                                                                                                                                                                                           0xFF
                                                                                                                                                                                                                                                                                                                           0x00
                                                                                                                                                                                                                                                                                                                           0x01
                                                                                                                                                                                                                                                                                                                           0x02
 #define EVENT_SUPPORTED_REPORT_CO2_V3
#define EVENT_SUPPORTED_REPORT_HEAT_V3
#define EVENT_SUPPORTED_REPORT_WATER_V3
#define EVENT_SUPPORTED_REPORT_ACCESS_CONTROL_V3
                                                                                                                                                                                                                                                                                                                           0x03
                                                                                                                                                                                                                                                                                                                           0 \times 0.4
                                                                                                                                                                                                                                                                                                                           0 \times 0.5
                                                                                                                                                                                                                                                                                                                           0x06
 #define EVENT_SUPPORTED_REPORT_BURGLAR_V3
#define EVENT_SUPPORTED_REPORT_POWER_MANAGEMENT_V3
#define EVENT_SUPPORTED_REPORT_SYSTEM_V3
                                                                                                                                                                                                                                                                                                                           0x07
                                                                                                                                                                                                                                                                                                                           0x08
                                                                                                                                                                                                                                                                                                                           0x09
 #define EVENT_SUPPORTED_REPORT_SISTEM
#define EVENT_SUPPORTED_REPORT_EMERGENCY_V3
#define EVENT_SUPPORTED_REPORT_CLOCK_V3
#define EVENT_SUPPORTED_REPORT_FIRST_V3
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V3
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V3
                                                                                                                                                                                                                                                                                                                           0x0A
                                                                                                                                                                                                                                                                                                                           0x0B
                                                                                                                                                                                                                                                                                                                           0xFF
                                                                                                                                                                                                                                                                                                                           0x1F
                                                                                                                                                                                                                                                                                                                           0xE0
 #define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V3
                                                                                                                                                                                                                                                                                                                           0x05
  /* Notification command class commands */
 #define NOTIFICATION_VERSION_V4
                                                                                                                                                                                                                                                                                                                           0x04
  #define NOTIFICATION_GET_V4
                                                                                                                                                                                                                                                                                                                           0x04
 #define NOTIFICATION_REPORT_V4
#define NOTIFICATION_SET_V4
                                                                                                                                                                                                                                                                                                                           0x05
                                                                                                                                                                                                                                                                                                                           0x06
 #define NOTIFICATION_SUPPORTED_GET_V4
#define NOTIFICATION_SUPPORTED_REPORT_V4
                                                                                                                                                                                                                                                                                                                           0 \times 0.7
                                                                                                                                                                                                                                                                                                                           0x08
 #define EVENT_SUPPORTED_GET_V4
#define EVENT_SUPPORTED_REPORT_V4
                                                                                                                                                                                                                                                                                                                           0x01
#define EVENT_SUPPORTED REPORT_V4

/* Values used for Notification Get command */
#define NOTIFICATION_GET_RESERVED_V4

#define NOTIFICATION_GET_SMOKE_V4

#define NOTIFICATION_GET_CO_V4

#define NOTIFICATION_GET_CO_V4

#define NOTIFICATION_GET_HEAT_V4

#define NOTIFICATION_GET_WATER_V4

#define NOTIFICATION_GET_HEAT_V4

#define NOTIFICATION_GET_HOME_SECURITY_V4

#define NOTIFICATION_GET_BOWER_MANAGEMENT_V4

#define NOTIFICATION_GET_SYSTEM_V4

#define NOTIFICATION_GET_SYSTEM_V4

#define NOTIFICATION_GET_EMERGENCY_V4

#define NOTIFICATION_GET_APPLIANCE_V4

#define NOTIFICATION_GET_APPLIANCE_V4

#define NOTIFICATION_GET_HOME_HEALTH_V4

#define NOTIFICATION_GET_FIRST_V4

/* Values used for Notification Report command */
#define NOTIFICATION_REPORT_OFF_V4
                                                                                                                                                                                                                                                                                                                           0x02
                                                                                                                                                                                                                                                                                                                           0×00
                                                                                                                                                                                                                                                                                                                           0x01
                                                                                                                                                                                                                                                                                                                           0x02
                                                                                                                                                                                                                                                                                                                           0x03
                                                                                                                                                                                                                                                                                                                           0x04
                                                                                                                                                                                                                                                                                                                           0x05
                                                                                                                                                                                                                                                                                                                           0 \times 0.6
                                                                                                                                                                                                                                                                                                                           0 \times 0.7
                                                                                                                                                                                                                                                                                                                           0x08
                                                                                                                                                                                                                                                                                                                           0x09
                                                                                                                                                                                                                                                                                                                           0x0A
                                                                                                                                                                                                                                                                                                                           0 \times 0 B
                                                                                                                                                                                                                                                                                                                           0x0C
                                                                                                                                                                                                                                                                                                                           0x0D
                                                                                                                                                                                                                                                                                                                           0xFF
/* Values used for Notification Report command */
#define NOTIFICATION_REPORT_OFF_V4
#define NOTIFICATION_REPORT_NO_PENDING_NOTIFICATIONS_V4
#define NOTIFICATION_REPORT_ON_V4
#define NOTIFICATION_REPORT_RESERVED_V4
#define NOTIFICATION_REPORT_CO_V4
#define NOTIFICATION_REPORT_CO_V4
#define NOTIFICATION_REPORT_CO_V4
#define NOTIFICATION_REPORT_CO_V4
#define NOTIFICATION_REPORT_HEAT_V4
#define NOTIFICATION_REPORT_HEAT_V4
#define NOTIFICATION_REPORT_HOME_SECURITY_V4
#define NOTIFICATION_REPORT_HOME_SECURITY_V4
#define NOTIFICATION_REPORT_SYSTEM_V4
#define NOTIFICATION_REPORT_SYSTEM_V4
#define NOTIFICATION_REPORT_EMERGENCY_V4
#define NOTIFICATION_REPORT_EMERGENCY_V4
#define NOTIFICATION_REPORT_EMERGENCY_V4
#define NOTIFICATION_REPORT_APPLIANCE_V4
                                                                                                                                                                                                                                                                                                                           0x00
                                                                                                                                                                                                                                                                                                                           0xFE
                                                                                                                                                                                                                                                                                                                           0×FF
                                                                                                                                                                                                                                                                                                                           0x00
                                                                                                                                                                                                                                                                                                                           0x01
                                                                                                                                                                                                                                                                                                                           0x02
                                                                                                                                                                                                                                                                                                                           0x03
                                                                                                                                                                                                                                                                                                                           0x04
                                                                                                                                                                                                                                                                                                                           0 \times 05
                                                                                                                                                                                                                                                                                                                           0x06
                                                                                                                                                                                                                                                                                                                           0x07
                                                                                                                                                                                                                                                                                                                           0x08
                                                                                                                                                                                                                                                                                                                           0x09
                                                                                                                                                                                                                                                                                                                           A \cap x \cap A
                                                                                                                                                                                                                                                                                                                           0x0B
 #define NOTIFICATION REPORT APPLIANCE V4
```

```
#define NOTIFICATION REPORT HOME HEALTH V4
                                                                                                                                                                                                                                                                                    0x0D
#define NOTIFICATION_REPORT_HOME_HEALTH_V4
#define NOTIFICATION_REPORT_FIRST_V4
#define NOTIFICATION_REPORT_PROPERTIES1_EVENT_PARAMETERS_LENGTH_MASK_V4
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_MASK_V4
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_SHIFT_V4
#define NOTIFICATION_REPORT_PROPERTIES1_SEQUENCE_BIT_MASK_V4
/* Values used for Notification_Set command */
                                                                                                                                                                                                                                                                                    0xFF
                                                                                                                                                                                                                                                                                    0x1F
                                                                                                                                                                                                                                                                                    0x60
                                                                                                                                                                                                                                                                                    0 \times 05
                                                                                                                                                                                                                                                                                    0x80
  #define NOTIFICATION_SET_RESERVED_V4
                                                                                                                                                                                                                                                                                    0x00
#define NOTIFICATION_SET_RESERVED_V4
#define NOTIFICATION_SET_SMOKE_V4
#define NOTIFICATION_SET_CO_V4
#define NOTIFICATION_SET_CO2_V4
#define NOTIFICATION_SET_HEAT_V4
#define NOTIFICATION_SET_HEAT_V4
#define NOTIFICATION_SET_ACCESS_CONTROL_V4
#define NOTIFICATION_SET_HOME_SECURITY_V4
#define NOTIFICATION_SET_POWER_MANAGEMENT_V4
#define NOTIFICATION_SET_SYSTEM_V4
#define NOTIFICATION_SET_EMERGENCY_V4
#define NOTIFICATION_SET_EMERGENCY_V4
#define NOTIFICATION_SET_CLOCK_V4
#define NOTIFICATION_SET_APPLIANCE_V4
                                                                                                                                                                                                                                                                                    0x01
                                                                                                                                                                                                                                                                                    0 \times 0.2
                                                                                                                                                                                                                                                                                    0x03
                                                                                                                                                                                                                                                                                    0x04
                                                                                                                                                                                                                                                                                    0x05
                                                                                                                                                                                                                                                                                    0x06
                                                                                                                                                                                                                                                                                    0x07
                                                                                                                                                                                                                                                                                    0 \times 0 8
                                                                                                                                                                                                                                                                                    0x09
                                                                                                                                                                                                                                                                                    0x0A
                                                                                                                                                                                                                                                                                    0x0B
#define NOTIFICATION_SET_CLOCK_V4
#define NOTIFICATION_SET_APPLIANCE_V4
#define NOTIFICATION_SET_HOME_HEALTH_V4
#define NOTIFICATION_SET_FIRST_V4
#define NOTIFICATION_SET_OFF_V4
#define NOTIFICATION_SET_NO_PENDING_NOTIFICATIONS_V4
#define NOTIFICATION_SET_ON_V4
                                                                                                                                                                                                                                                                                    0x0C
                                                                                                                                                                                                                                                                                    0x0D
                                                                                                                                                                                                                                                                                    0xFF
                                                                                                                                                                                                                                                                                    0x00
                                                                                                                                                                                                                                                                                    0xFE
                                                                                                                                                                                                                                                                                    0xFF
  /st Values used for Notification Supported Report command st/
 #define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V4 #define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V4 #define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V4
                                                                                                                                                                                                                                                                                    0x1F
                                                                                                                                                                                                                                                                                    0 \times 60
                                                                                                                                                                                                                                                                                    0x05
 #define NOTIFICATION_SUPPORTED_REPORT_PROPERTIESI_V1_ALARM_BIT_MASK_V4 /* Values used for Event Supported Get command */
                                                                                                                                                                                                                                                                                    0x80
 #define EVENT_SUPPORTED_GET_RESERVED_V4
                                                                                                                                                                                                                                                                                    0x00
 #define EVENT_SUPPORTED_GET_KESBAVED#
#define EVENT_SUPPORTED_GET_CO_V4
#define EVENT_SUPPORTED_GET_CO2_V4
#define EVENT_SUPPORTED_GET_HEAT_V4
                                                                                                                                                                                                                                                                                    0x01
0x02
                                                                                                                                                                                                                                                                                    0x03
                                                                                                                                                                                                                                                                                    0x04
 #define EVENT_SUPPORTED_GET_WATER_V4
                                                                                                                                                                                                                                                                                    0x05
#define EVENT_SUPPORTED_GET_WATER_V4
#define EVENT_SUPPORTED_GET_ACCESS_CONTROL_V4
#define EVENT_SUPPORTED_GET_HOME_SECURITY_V4
#define EVENT_SUPPORTED_GET_POWER_MANAGEMENT_V4
#define EVENT_SUPPORTED_GET_EMERGENCY_V4
#define EVENT_SUPPORTED_GET_EMERGENCY_V4
#define EVENT_SUPPORTED_GET_APPLIANCE_V4
#define EVENT_SUPPORTED_GET_HOME_HEALTH_V4
#define EVENT_SUPPORTED_GET_HOME_HEALTH_V4
#define EVENT_SUPPORTED_GET_FIRST_V4
                                                                                                                                                                                                                                                                                    0x06
                                                                                                                                                                                                                                                                                    0 \times 0.7
                                                                                                                                                                                                                                                                                    0x08
                                                                                                                                                                                                                                                                                    0x09
                                                                                                                                                                                                                                                                                    0x0A
                                                                                                                                                                                                                                                                                    0x0B
                                                                                                                                                                                                                                                                                    0 \times 0 C
                                                                                                                                                                                                                                                                                    0 \times 0 D
                                                                                                                                                                                                                                                                                    0xFF
  /* Values used for Event Supported Report command */
  #define EVENT_SUPPORTED_REPORT_RESERVED_V4
                                                                                                                                                                                                                                                                                    0x00
#define EVENT_SUPPORTED_REPORT_RESERVED_V4
#define EVENT_SUPPORTED_REPORT_SMOKE_V4
#define EVENT_SUPPORTED_REPORT_CO_V4
#define EVENT_SUPPORTED_REPORT_CO_V4
#define EVENT_SUPPORTED_REPORT_HEAT_V4
#define EVENT_SUPPORTED_REPORT_WATER_V4
#define EVENT_SUPPORTED_REPORT_ACCESS_CONTROL_V4
#define EVENT_SUPPORTED_REPORT_DESCRIPT_V4
#define EVENT_SUPPORTED_REPORT_POWER_MANAGEMENT_V4
#define EVENT_SUPPORTED_REPORT_SYSTEM_V4
#define EVENT_SUPPORTED_REPORT_BERGRIPT_V4
#define EVENT_SUPPORTED_REPORT_BERGRIPT_V4
#define EVENT_SUPPORTED_REPORT_BERGRIPT_V4
#define EVENT_SUPPORTED_REPORT_BERGRIPT_V4
#define EVENT_SUPPORTED_REPORT_BERGRIPT_V4
#define EVENT_SUPPORTED_REPORT_BERGRIPT_V4
#define EVENT_SUPPORTED_REPORT_CLOCK_V4
                                                                                                                                                                                                                                                                                    0x01
                                                                                                                                                                                                                                                                                    0 \times 02
                                                                                                                                                                                                                                                                                    0x03
                                                                                                                                                                                                                                                                                    0x04
                                                                                                                                                                                                                                                                                    0x05
                                                                                                                                                                                                                                                                                    0x06
                                                                                                                                                                                                                                                                                    0x07
                                                                                                                                                                                                                                                                                    0 \times 0 8
                                                                                                                                                                                                                                                                                    0 \times 0.9
                                                                                                                                                                                                                                                                                    0x0A
 #define EVENT_SUPPORTED_REPORT_CLOCK_V4
#define EVENT_SUPPORTED_REPORT_APPLIANCE_V4
                                                                                                                                                                                                                                                                                    0x0B
                                                                                                                                                                                                                                                                                    0x0C
 #define EVENT_SUPPORTED_REPORT_HOME_HEALTH_V4
#define EVENT_SUPPORTED_REPORT_FIRST_V4
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V4
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V4
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V4
                                                                                                                                                                                                                                                                                    0×0D
                                                                                                                                                                                                                                                                                    0xFF
                                                                                                                                                                                                                                                                                    0x1F
                                                                                                                                                                                                                                                                                    0xE0
                                                                                                                                                                                                                                                                                    0x05
 /* Notification command class commands */#define NOTIFICATION_VERSION_V5#define NOTIFICATION_GET_V5
                                                                                                                                                                                                                                                                                    0 \times 0.5
                                                                                                                                                                                                                                                                                    0x04
 #define NOTIFICATION REPORT V5
                                                                                                                                                                                                                                                                                    0x05
 #define NOTIFICATION_REPORT_V5
#define NOTIFICATION_SUPPORTED_GET_V5
#define NOTIFICATION_SUPPORTED_REPORT_V5
#define EVENT_SUPPORTED_GET_V5
#define EVENT_SUPPORTED_REPORT_V5
                                                                                                                                                                                                                                                                                    0x06
                                                                                                                                                                                                                                                                                    0x07
                                                                                                                                                                                                                                                                                    0x08
                                                                                                                                                                                                                                                                                    0x01
                                                                                                                                                                                                                                                                                    0x02
  /* Values used for Notification Get command */
  #define NOTIFICATION_GET_RESERVED_V5
                                                                                                                                                                                                                                                                                    0x00
 #define NOTIFICATION_GET_SMOKE_V5
#define NOTIFICATION_GET_CO_V5
#define NOTIFICATION_GET_CO2_V5
                                                                                                                                                                                                                                                                                    0x01
                                                                                                                                                                                                                                                                                    0 \times 02
                                                                                                                                                                                                                                                                                    0x03
 #define NOTIFICATION GET HEAT V5
                                                                                                                                                                                                                                                                                    0x04
```

```
#define NOTIFICATION GET WATER V5
                                                                                                                                                                                                                                                                                                                                                                                                              0x05
#define NOTIFICATION_GET_WATER_V5
#define NOTIFICATION_GET_ACCESS_CONTROL_V5
#define NOTIFICATION_GET_HOME_SECURITY_V5
#define NOTIFICATION_GET_POWER_MANAGEMENT_V5
#define NOTIFICATION_GET_SYSTEM_V5
#define NOTIFICATION_GET_EMERGENCY_V5
#define NOTIFICATION_GET_CLOCK_V5
#define NOTIFICATION_GET_APPLIANCE_V5
#define NOTIFICATION_GET_HOME_HEALTH_V5
                                                                                                                                                                                                                                                                                                                                                                                                              0x06
                                                                                                                                                                                                                                                                                                                                                                                                              0x07
                                                                                                                                                                                                                                                                                                                                                                                                              0x08
                                                                                                                                                                                                                                                                                                                                                                                                              0x09
                                                                                                                                                                                                                                                                                                                                                                                                              0x0A
                                                                                                                                                                                                                                                                                                                                                                                                              0x0B
                                                                                                                                                                                                                                                                                                                                                                                                              0x0C
 #define NOTIFICATION_GET_HOME_HEALTH_V5 #define NOTIFICATION_GET_FIRST_V5
                                                                                                                                                                                                                                                                                                                                                                                                              0x0D
                                                                                                                                                                                                                                                                                                                                                                                                              OxFF
#define NOTIFICATION_GET_FIRST_VS

/* Values used for Notification Report command */
#define NOTIFICATION_REPORT_OFF_V5
#define NOTIFICATION_REPORT_NO_PENDING_NOTIFICATIONS_V5
#define NOTIFICATION_REPORT_ON_V5
#define NOTIFICATION_REPORT_RESERVED_V5
                                                                                                                                                                                                                                                                                                                                                                                                              0x00
                                                                                                                                                                                                                                                                                                                                                                                                              0xFF
                                                                                                                                                                                                                                                                                                                                                                                                              0x00
 #define NOTIFICATION_REPORT_SMOKE_V5
#define NOTIFICATION_REPORT_CO_V5
#define NOTIFICATION_REPORT_CO2_V5
#define NOTIFICATION_REPORT_HEAT_V5
                                                                                                                                                                                                                                                                                                                                                                                                              0 \times 0.1
                                                                                                                                                                                                                                                                                                                                                                                                              0x02
                                                                                                                                                                                                                                                                                                                                                                                                              0x03
#define NOTIFICATION_REPORT_WATER_V5
#define NOTIFICATION_REPORT_WATER_V5
#define NOTIFICATION_REPORT_ACCESS_CONTROL_V5
#define NOTIFICATION_REPORT_HOME_SECURITY_V5
#define NOTIFICATION_REPORT_POWER_MANAGEMENT_V5
#define NOTIFICATION_REPORT_SYSTEM_V5
#define NOTIFICATION_REPORT_EMERGENCY_V5
#define NOTIFICATION_REPORT_CLOCK_V5
#define NOTIFICATION_REPORT_APPLIANCE_V5
#define NOTIFICATION_REPORT_HOME_HEALTH_V5
#define NOTIFICATION_REPORT_FROPERTIES1_EVENT_PARAMETERS_LENGTH_MASK_V5
#define NOTIFICATION_REPORT_PROPERTIES1_EVENT_PARAMETERS_LENGTH_MASK_V5
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_MASK_V5
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_SHIFT_V5
#define NOTIFICATION_REPORT_PROPERTIES1_SEQUENCE_BIT_MASK_V5
/* Values used for Notification Set command */
#define NOTIFICATION_SET_RESERVED_V5
#define NOTIFICATION_SET_RESERVED_V5
#define NOTIFICATION_SET_SMOKE_V5
#define NOTIFICATION_SET_SMOKE_V5
                                                                                                                                                                                                                                                                                                                                                                                                              0x04
                                                                                                                                                                                                                                                                                                                                                                                                              0x05
                                                                                                                                                                                                                                                                                                                                                                                                              0x06
                                                                                                                                                                                                                                                                                                                                                                                                              0x07
                                                                                                                                                                                                                                                                                                                                                                                                              0x08
                                                                                                                                                                                                                                                                                                                                                                                                              0x09
                                                                                                                                                                                                                                                                                                                                                                                                              0x0A
                                                                                                                                                                                                                                                                                                                                                                                                              0x0B
                                                                                                                                                                                                                                                                                                                                                                                                              0×0C
                                                                                                                                                                                                                                                                                                                                                                                                              0 \times 0 D
                                                                                                                                                                                                                                                                                                                                                                                                              0xFF
                                                                                                                                                                                                                                                                                                                                                                                                              0x1F
                                                                                                                                                                                                                                                                                                                                                                                                              0x60
                                                                                                                                                                                                                                                                                                                                                                                                              0x05
                                                                                                                                                                                                                                                                                                                                                                                                              0x80
                                                                                                                                                                                                                                                                                                                                                                                                              0x00
                                                                                                                                                                                                                                                                                                                                                                                                              0x01
   #define NOTIFICATION_SET_CO_V5
                                                                                                                                                                                                                                                                                                                                                                                                              0x02
 #define NOTIFICATION_SET_CO2_V5
#define NOTIFICATION_SET_HEAT_V5
#define NOTIFICATION_SET_WATER_V5
#define NOTIFICATION_SET_ACCESS_CONTROL_V5
                                                                                                                                                                                                                                                                                                                                                                                                              0x03
                                                                                                                                                                                                                                                                                                                                                                                                              0 \times 0.4
                                                                                                                                                                                                                                                                                                                                                                                                              0x05
                                                                                                                                                                                                                                                                                                                                                                                                              0x06
 #define NOTIFICATION_SET_HOME_SECURITY_V5
#define NOTIFICATION_SET_POWER_MANAGEMENT_V5
#define NOTIFICATION_SET_SYSTEM_V5
                                                                                                                                                                                                                                                                                                                                                                                                              0x07
                                                                                                                                                                                                                                                                                                                                                                                                              0x08
                                                                                                                                                                                                                                                                                                                                                                                                              0x09
#define NOTIFICATION_SET_SYSTEM_VS
#define NOTIFICATION_SET_EMERGENCY_V5
#define NOTIFICATION_SET_CLOCK_V5
#define NOTIFICATION_SET_APPLIANCE_V5
#define NOTIFICATION_SET_HOME_HEALTH_V5
#define NOTIFICATION_SET_FIRST_V5
#define NOTIFICATION_SET_OFF_V5
#define NOTIFICATION_SET_OFF_V5
#define NOTIFICATION_SET_ON_V5
/* Values used for Notification Supported Report command */
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF
                                                                                                                                                                                                                                                                                                                                                                                                              0 \times 0 A
                                                                                                                                                                                                                                                                                                                                                                                                              0x0B
                                                                                                                                                                                                                                                                                                                                                                                                              0x0C
                                                                                                                                                                                                                                                                                                                                                                                                              0x0D
                                                                                                                                                                                                                                                                                                                                                                                                              0xFF
                                                                                                                                                                                                                                                                                                                                                                                                              0×00
                                                                                                                                                                                                                                                                                                                                                                                                              0xFE
                                                                                                                                                                                                                                                                                                                                                                                                              0xFF
 #define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V5
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V5
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V5
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_V1_ALARM_BIT_MASK_V5
/* Values used for Event Supported Get command */
                                                                                                                                                                                                                                                                                                                                                                                                              0x1F
                                                                                                                                                                                                                                                                                                                                                                                                              0x60
                                                                                                                                                                                                                                                                                                                                                                                                              0 \times 0.5
                                                                                                                                                                                                                                                                                                                                                                                                              0 \times 80
/* Values used for Event Supported Get command
#define EVENT_SUPPORTED_GET_RESERVED_V5
#define EVENT_SUPPORTED_GET_SMOKE_V5
#define EVENT_SUPPORTED_GET_CO_V5
#define EVENT_SUPPORTED_GET_CO2_V5
#define EVENT_SUPPORTED_GET_HEAT_V5
#define EVENT_SUPPORTED_GET_WATER_V5
#define EVENT_SUPPORTED_GET_ACCESS_CONTROL_V5
                                                                                                                                                                                                                                                                                                                                                                                                              0x00
                                                                                                                                                                                                                                                                                                                                                                                                              0x01
                                                                                                                                                                                                                                                                                                                                                                                                              0x02
                                                                                                                                                                                                                                                                                                                                                                                                              0x03
                                                                                                                                                                                                                                                                                                                                                                                                              0x04
                                                                                                                                                                                                                                                                                                                                                                                                              0x05
#define EVENT_SUPPORTED_GET_ACCESS_CONTROL_V5
#define EVENT_SUPPORTED_GET_HOME_SECURITY_V5
#define EVENT_SUPPORTED_GET_POWER_MANAGEMENT_V5
#define EVENT_SUPPORTED_GET_SYSTEM_V5
#define EVENT_SUPPORTED_GET_SYSTEM_V5
#define EVENT_SUPPORTED_GET_CLOCK_V5
#define EVENT_SUPPORTED_GET_APPLIANCE_V5
#define EVENT_SUPPORTED_GET_HOME_HEALTH_V5
#define EVENT_SUPPORTED_GET_FIRST_V5
/* Values used for Event_Supported Report command */
#define EVENT_SUPPORTED_REPORT_RESERVED_V5
#define EVENT_SUPPORTED_REPORT_SMOKE_V5
#define EVENT_SUPPORTED_REPORT_CO_V5
#define EVENT_SUPPORTED_REPORT_CO_V5
#define EVENT_SUPPORTED_REPORT_CO_V5
#define EVENT_SUPPORTED_REPORT_CO_V5
#define EVENT_SUPPORTED_REPORT_HEAT_V5
#define EVENT_SUPPORTED_REPORT_HEAT_V5
#define EVENT_SUPPORTED_REPORT_ACCESS_CONTROL_V5
                                                                                                                                                                                                                                                                                                                                                                                                              0x06
                                                                                                                                                                                                                                                                                                                                                                                                              0x07
                                                                                                                                                                                                                                                                                                                                                                                                              0x08
                                                                                                                                                                                                                                                                                                                                                                                                              0 \times 09
                                                                                                                                                                                                                                                                                                                                                                                                              0x0A
                                                                                                                                                                                                                                                                                                                                                                                                              0x0B
                                                                                                                                                                                                                                                                                                                                                                                                              0x0C
                                                                                                                                                                                                                                                                                                                                                                                                              0x0D
                                                                                                                                                                                                                                                                                                                                                                                                              0xFF
                                                                                                                                                                                                                                                                                                                                                                                                              0x00
                                                                                                                                                                                                                                                                                                                                                                                                              0x01
                                                                                                                                                                                                                                                                                                                                                                                                              0x02
                                                                                                                                                                                                                                                                                                                                                                                                              0x03
                                                                                                                                                                                                                                                                                                                                                                                                              0 \times 0.4
                                                                                                                                                                                                                                                                                                                                                                                                              0x05
  #define EVENT SUPPORTED REPORT ACCESS CONTROL V5
                                                                                                                                                                                                                                                                                                                                                                                                              0x06
```

```
#define EVENT SUPPORTED REPORT HOME SECURITY V5
                                                                                                                                                                                                                                                                                           0x07
 #define EVENT_SUPPORTED_REPORT_POWER_MANAGEMENT_V5
#define EVENT_SUPPORTED_REPORT_SYSTEM_V5
                                                                                                                                                                                                                                                                                           0x08
                                                                                                                                                                                                                                                                                           0x09
 #define EVENT_SUPPORTED_REPORT_EMERGENCY_V5
#define EVENT_SUPPORTED_REPORT_CLOCK_V5
#define EVENT_SUPPORTED_REPORT_APPLIANCE_V5
#define EVENT_SUPPORTED_REPORT_HOME_HEALTH_V5
                                                                                                                                                                                                                                                                                           0x0A
                                                                                                                                                                                                                                                                                           0x0B
                                                                                                                                                                                                                                                                                           0x0C
                                                                                                                                                                                                                                                                                           0x0D
 #define EVENT_SUPPORTED_REPORT_FIRST_V5
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V5
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V5
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V5
                                                                                                                                                                                                                                                                                           0xFF
                                                                                                                                                                                                                                                                                           0x1F
                                                                                                                                                                                                                                                                                           0xE0
                                                                                                                                                                                                                                                                                           0x05
  /* Notification command class commands */
 #define NOTIFICATION_VERSION_V6
#define NOTIFICATION_GET_V6
                                                                                                                                                                                                                                                                                           0x06
                                                                                                                                                                                                                                                                                           0x04
 #define NOTIFICATION_REPORT_V6
#define NOTIFICATION_SET_V6
                                                                                                                                                                                                                                                                                           0 \times 0.5
                                                                                                                                                                                                                                                                                           0x06
 #define NOTIFICATION_SUPPORTED_GET_V6
#define NOTIFICATION_SUPPORTED_REPORT_V6
                                                                                                                                                                                                                                                                                           0x07
                                                                                                                                                                                                                                                                                           0x08
  #define EVENT_SUPPORTED_GET_V6
                                                                                                                                                                                                                                                                                           0x01
#define EVENT_SUPPORTED_REPORT_V6
/* Values used for Notification Get command */
#define NOTIFICATION_GET_RESERVED_V6
#define NOTIFICATION_GET_SMOKE_V6
                                                                                                                                                                                                                                                                                           0 \times 0.2
                                                                                                                                                                                                                                                                                           0x00
                                                                                                                                                                                                                                                                                           0x01
  #define NOTIFICATION GET CO V6
                                                                                                                                                                                                                                                                                           0x02
 #define NOTIFICATION_GET_CO2_V6
#define NOTIFICATION_GET_HEAT_V6
#define NOTIFICATION_GET_WATER_V6
#define NOTIFICATION_GET_ACCESS_CONTROL_V6
                                                                                                                                                                                                                                                                                           0x03
                                                                                                                                                                                                                                                                                           0 \times 0.4
                                                                                                                                                                                                                                                                                           0 \times 0.5
                                                                                                                                                                                                                                                                                           0x06
 #define NOTIFICATION_GET_HOME_SECURITY_V6
#define NOTIFICATION_GET_POWER_MANAGEMENT_V6
#define NOTIFICATION_GET_SYSTEM_V6
                                                                                                                                                                                                                                                                                           0x07
                                                                                                                                                                                                                                                                                           0x08
                                                                                                                                                                                                                                                                                           0x09
 #define NOTIFICATION_GET_EMERGENCY_V6
#define NOTIFICATION_GET_CLOCK_V6
#define NOTIFICATION_GET_APPLIANCE_V6
#define NOTIFICATION_GET_HOME_HEALTH_V6
                                                                                                                                                                                                                                                                                           0x0A
                                                                                                                                                                                                                                                                                           0x0B
                                                                                                                                                                                                                                                                                           0x0C
                                                                                                                                                                                                                                                                                           0x0D
#define NOTIFICATION_GET_HOME_HEALTH_V6
#define NOTIFICATION_GET_SIREN_V6
#define NOTIFICATION_GET_FIRST_V6
/* Values used for Notification Report command */
#define NOTIFICATION_REPORT_OFF_V6
#define NOTIFICATION_REPORT_NO_PENDING_NOTIFICATIONS_V6
#define NOTIFICATION_REPORT_ON_V6
#define NOTIFICATION_REPORT_RESERVED_V6
#define NOTIFICATION_REPORT_SMOKE_V6
#define NOTIFICATION_REPORT_CO_V6
                                                                                                                                                                                                                                                                                           0x0E
                                                                                                                                                                                                                                                                                           0xFF
                                                                                                                                                                                                                                                                                           0x00
                                                                                                                                                                                                                                                                                           0xFE
                                                                                                                                                                                                                                                                                           0xFF
                                                                                                                                                                                                                                                                                           0x00
                                                                                                                                                                                                                                                                                           0x01
#define NOTIFICATION_REPORT_SMOKE_V6
#define NOTIFICATION_REPORT_CO_V6
#define NOTIFICATION_REPORT_CO_V6
#define NOTIFICATION_REPORT_CO_V6
#define NOTIFICATION_REPORT_HEAT_V6
#define NOTIFICATION_REPORT_WATER_V6
#define NOTIFICATION_REPORT_ACCESS_CONTROL_V6
#define NOTIFICATION_REPORT_HOME_SECURITY_V6
#define NOTIFICATION_REPORT_POWER_MANAGEMENT_V6
#define NOTIFICATION_REPORT_SYSTEM_V6
#define NOTIFICATION_REPORT_SYSTEM_V6
#define NOTIFICATION_REPORT_CLOCK_V6
#define NOTIFICATION_REPORT_APPLIANCE_V6
#define NOTIFICATION_REPORT_APPLIANCE_V6
#define NOTIFICATION_REPORT_HOME_HEALTH_V6
#define NOTIFICATION_REPORT_SIREN_V6
                                                                                                                                                                                                                                                                                           0 \times 0.2
                                                                                                                                                                                                                                                                                           0x03
                                                                                                                                                                                                                                                                                           0x04
                                                                                                                                                                                                                                                                                           0x05
                                                                                                                                                                                                                                                                                           0x06
                                                                                                                                                                                                                                                                                           0 \times 0.7
                                                                                                                                                                                                                                                                                           0x08
                                                                                                                                                                                                                                                                                           0x09
                                                                                                                                                                                                                                                                                           0x0A
                                                                                                                                                                                                                                                                                           0x0B
                                                                                                                                                                                                                                                                                           0x0C
                                                                                                                                                                                                                                                                                           0×0D
#define NOTIFICATION_REPORT_HOME_HEALTH_V6
#define NOTIFICATION_REPORT_SIREN_V6
#define NOTIFICATION_REPORT_FIRST_V6
#define NOTIFICATION_REPORT_PROPERTIES1_EVENT_PARAMETERS_LENGTH_MASK_V6
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_MASK_V6
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_SHIFT_V6
#define NOTIFICATION_REPORT_PROPERTIES1_SQUENCE_BIT_MASK_V6
#VENUE NOOF NOTIFICATION_REPORT_PROPERTIES1_SQUENCE_BIT_MASK_V6
                                                                                                                                                                                                                                                                                           0 \times 0 E
                                                                                                                                                                                                                                                                                           0xFF
                                                                                                                                                                                                                                                                                           0x1F
                                                                                                                                                                                                                                                                                           0x60
                                                                                                                                                                                                                                                                                           0 \times 0.5
                                                                                                                                                                                                                                                                                           0x80
 /* Values used for Notification Set command */
#define NOTIFICATION_SET_RESERVED_V6
#define NOTIFICATION_SET_SMOKE_V6
                                                                                                                                                                                                                                                                                           0x00
                                                                                                                                                                                                                                                                                           0x01
 #define NOTIFICATION_SET_CO_V6
#define NOTIFICATION_SET_CO2_V6
#define NOTIFICATION_SET_HEAT_V6
#define NOTIFICATION_SET_WATER_V6
#define NOTIFICATION_SET_ACCESS_CONTROL_V6
                                                                                                                                                                                                                                                                                           0x02
                                                                                                                                                                                                                                                                                           0x03
                                                                                                                                                                                                                                                                                           0 \times 0.4
                                                                                                                                                                                                                                                                                           0x05
                                                                                                                                                                                                                                                                                           0x06
#define NOTIFICATION_SET_ACCESS_CONTROL V6
#define NOTIFICATION_SET_HOME_SECURITY_V6
#define NOTIFICATION_SET_POWER_MANAGEMENT_V6
#define NOTIFICATION_SET_SYSTEM_V6
#define NOTIFICATION_SET_EMERGENCY_V6
#define NOTIFICATION_SET_CLOCK_V6
#define NOTIFICATION_SET_APPLIANCE_V6
#define NOTIFICATION_SET_HOME_HEALTH_V6
#define NOTIFICATION_SET_SIREN_V6
                                                                                                                                                                                                                                                                                           0x07
                                                                                                                                                                                                                                                                                           0x08
                                                                                                                                                                                                                                                                                           0x09
                                                                                                                                                                                                                                                                                           0x0A
                                                                                                                                                                                                                                                                                           0x0B
                                                                                                                                                                                                                                                                                           0x0C
                                                                                                                                                                                                                                                                                           0x0D
 #define NOTIFICATION_SET_SIREN_V6
#define NOTIFICATION_SET_FIRST_V6
#define NOTIFICATION_SET_OFF_V6
                                                                                                                                                                                                                                                                                           0x0E
                                                                                                                                                                                                                                                                                           OxFF
                                                                                                                                                                                                                                                                                           0x00
 #define NOTIFICATION SET NO PENDING NOTIFICATIONS V6
                                                                                                                                                                                                                                                                                           0xFE
```

```
#define NOTIFICATION SET ON V6
                                                                                                                                                                                                                                                                                                                                                                                                          0xFF
   /* Values used for Notification Supported Report command */
/* values used for Notlification Supported Report command */
#define NoTIFICATION_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V6
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V6
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V6
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_V1_ALARM_BIT_MASK_V6
/* Values used for Event_Supported Get command */
#define EVENT_SUPPORTED_GET_RESERVED_V6
#define_EVENT_SUPPORTED_GET_RESERVED_V6
                                                                                                                                                                                                                                                                                                                                                                                                          0x1F
                                                                                                                                                                                                                                                                                                                                                                                                          0x60
                                                                                                                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                                                                                                                          0x80
                                                                                                                                                                                                                                                                                                                                                                                                          0x00
 #define EVENT_SUPPORTED_GET_SMOKE_V6
#define EVENT_SUPPORTED_GET_CO_V6
                                                                                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 0.2
 #define EVENT_SUPPORTED_GET_CO2_V6
#define EVENT_SUPPORTED_GET_CO2_V6
#define EVENT_SUPPORTED_GET_HEAT_V6
#define EVENT_SUPPORTED_GET_WATER_V6
#define EVENT_SUPPORTED_GET_ACCESS_CONTROL_V6
#define EVENT_SUPPORTED_GET_HOME_SECURITY_V6
                                                                                                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                                                                                                                          0x06
                                                                                                                                                                                                                                                                                                                                                                                                          0x07
 #define EVENT_SUPPORTED_GET_POWER_MANAGEMENT_V6
#define EVENT_SUPPORTED_GET_SYSTEM_V6
#define EVENT_SUPPORTED_GET_EMERGENCY_V6
#define EVENT_SUPPORTED_GET_CLOCK_V6
                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 0 8
                                                                                                                                                                                                                                                                                                                                                                                                          0x09
                                                                                                                                                                                                                                                                                                                                                                                                          0x0A
                                                                                                                                                                                                                                                                                                                                                                                                          0x0B
 #define EVENT_SUPPORTED_GET_APPLIANCE_V6
#define EVENT_SUPPORTED_GET_HOME_HEALTH_V6
#define EVENT_SUPPORTED_GET_SIREN_V6
#define EVENT_SUPPORTED_GET_FIRST_V6
/* Values used for Event Supported Report command */
                                                                                                                                                                                                                                                                                                                                                                                                          0x0C
                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 0 D
                                                                                                                                                                                                                                                                                                                                                                                                          0x0E
                                                                                                                                                                                                                                                                                                                                                                                                          0xFF
   #define EVENT SUPPORTED REPORT RESERVED V6
                                                                                                                                                                                                                                                                                                                                                                                                          0x00
 #define EVENT_SUPPORTED_REPORT_SMOKE_V6
#define EVENT_SUPPORTED_REPORT_CO_V6
#define EVENT_SUPPORTED_REPORT_CO_V6
#define EVENT_SUPPORTED_REPORT_HEAT_V6
                                                                                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 0.3
                                                                                                                                                                                                                                                                                                                                                                                                          0x04
  #define EVENT_SUPPORTED_REPORT_WATER_V6
#define EVENT_SUPPORTED_REPORT_ACCESS_CONTROL_V6
                                                                                                                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                                                                                                                          0x06
  #define EVENT_SUPPORTED_REPORT_HOME_SECURITY_V6
                                                                                                                                                                                                                                                                                                                                                                                                          0x07
 #define EVENT_SUPPORTED_REPORT_POWER_MANAGEMENT_V6
#define EVENT_SUPPORTED_REPORT_SYSTEM_V6
#define EVENT_SUPPORTED_REPORT_EMERGENCY_V6
#define EVENT_SUPPORTED_REPORT_CLOCK_V6
                                                                                                                                                                                                                                                                                                                                                                                                          0x08
                                                                                                                                                                                                                                                                                                                                                                                                          0x09
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  #define EVENT_SUPPORTED_REPORT_APPLIANCE_V6
                                                                                                                                                                                                                                                                                                                                                                                                          0x0C
#define EVENT_SUPPORTED_REPORT_APPLIANCE_V6
#define EVENT_SUPPORTED_REPORT_HOME_HEALTH_V6
#define EVENT_SUPPORTED_REPORT_SIREN_V6
#define EVENT_SUPPORTED_REPORT_FIRST_V6
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V6
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V6
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V6
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 /* Notification command class commands */#define NOTIFICATION_VERSION_V7#define NOTIFICATION_GET_V7
                                                                                                                                                                                                                                                                                                                                                                                                          0x07
                                                                                                                                                                                                                                                                                                                                                                                                          0x04
   #define NOTIFICATION_REPORT_V7
                                                                                                                                                                                                                                                                                                                                                                                                          0x05
 #define NOTIFICATION_SET_V7
#define NOTIFICATION_SUPPORTED_GET_V7
#define NOTIFICATION_SUPPORTED_REPORT_V7
                                                                                                                                                                                                                                                                                                                                                                                                          0x06
                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 0.7
                                                                                                                                                                                                                                                                                                                                                                                                          0x08
 #define EVENT_SUPPORTED_GET_V7
#define EVENT_SUPPORTED_REPORT_V7
                                                                                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                                                                                          0x02
   /* Values used for Notification Get command */
/* Values used for Notification Get command in the define NoTIFICATION_GET_RESERVED_V7 in the define NoTIFICATION_GET_SMOKE_V7 in the define NoTIFICATION_GET_CO_V7 in the define NoTIFICATION_GET_CO_V7 in the define NoTIFICATION_GET_WATER_V7 in the define NoTIFICATION_GET_WATER_V7 in the define NoTIFICATION_GET_ACCESS_CONTROL_V7 in the define NoTIFICATION_GET_NOME_SECURITY_V7 in the define NoTIFICATION_GET_SYSTEM_V7 in the define NoTIFICATION_GET_SYSTEM_V7 in the define NoTIFICATION_GET_EMERGENCY_V7 in the define NoTIFICATION_GET_EMERGENCY_V7 in the define NoTIFICATION_GET_COCK_V7 in the define NO
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#define NOTIFICATION_GET_EMERGENCY_V7
#define NOTIFICATION_GET_CLOCK_V7
#define NOTIFICATION_GET_CLOCK_V7
#define NOTIFICATION_GET_APPLIANCE_V7
#define NOTIFICATION_GET_HOME_HEALTH_V7
#define NOTIFICATION_GET_SIREN_V7
#define NOTIFICATION_GET_WATER_VALVE_V7
#define NOTIFICATION_GET_WEATHER_ALARM_V7
#define NOTIFICATION_GET_IRRIGATION_V7
#define NOTIFICATION_GET_FIRST_V7
/* Values used for Notification Report command */
#define NOTIFICATION_REPORT_OFF_V7
#define NOTIFICATION_REPORT_OFF_V7
#define NOTIFICATION_REPORT_ON_V7
#define NOTIFICATION_REPORT_ON_V7
#define NOTIFICATION_REPORT_ON_V7
#define NOTIFICATION_REPORT_ON_V7
#define NOTIFICATION_REPORT_NO_PENDING_NOTIFICATIONS_V7
#define NOTIFICATION_REPORT_RESERVED_V7
#define NOTIFICATION_REPORT_RESERVED_V7
#define NOTIFICATION_REPORT_CO_V7
                                                                                                                                                                                                                                                                                                                                                                                                          0x0A
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  #define NOTIFICATION REPORT CO V7
                                                                                                                                                                                                                                                                                                                                                                                                          0x02
```

```
#define NOTIFICATION_REPORT_CO2_V7
#define NOTIFICATION_REPORT_HEAT_V7
#define NOTIFICATION_REPORT_WATER_V7
#define NOTIFICATION_REPORT_ACCESS_CONTROL_V7
#define NOTIFICATION_REPORT_HOME_SECURITY_V7
#define NOTIFICATION_REPORT_POWER_MANAGEMENT_V7
#define NOTIFICATION_REPORT_SYSTEM_V7
#define NOTIFICATION_REPORT_EMERGENCY_V7
#define NOTIFICATION_REPORT_CLOCK_V7
#define NOTIFICATION_REPORT_APPLIANCE_V7
#define NOTIFICATION_REPORT_HOME_HEALTH_V7
#define NOTIFICATION_REPORT_SIREN_V7
#define NOTIFICATION_REPORT_WATER_VALVE_V7
#define NOTIFICATION_REPORT_WATER_VALVE_V7
#define NOTIFICATION_REPORT_WATER_VALVE_V7
#define NOTIFICATION_REPORT_WATER_VALVE_V7
#define NOTIFICATION_REPORT_HEALTH_V7
#define NOTIFICATION_REPORT_HRIGATION_V7
#define NOTIFICATION_REPORT_IRRIGATION_V7
#define NOTIFICATION_REPORT_IRRIGATION_V7
  #define NOTIFICATION REPORT CO2 V7
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#define NOTIFICATION_REPORT_IRRIGATION_V/
#define NOTIFICATION_REPORT_GAS_ALARM_V7

#define NOTIFICATION_REPORT_FIRST_V7

#define NOTIFICATION_REPORT_PROPERTIES1_EVENT_PARAMETERS_LENGTH_MASK_V7

#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_MASK_V7

#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_SHIFT_V7

#define NOTIFICATION_REPORT_PROPERTIES1_SEQUENCE_BIT_MASK_V7

** Values_used_for_Notification_Set_command_*/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0xFF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x80
  /* Values used for Notification Set command */
#define NOTIFICATION_SET_RESERVED_V7
#define NOTIFICATION_SET_SMOKE_V7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x01
   #define NOTIFICATION SET CO V7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x02
 #define NOTIFICATION_SET_CO_V/
#define NOTIFICATION_SET_HEAT_V/
#define NOTIFICATION_SET_WATER_V/
#define NOTIFICATION_SET_ACCESS_CONTROL_V/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x03
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 #define NOTIFICATION_SET_HOME_SECURITY_V7
#define NOTIFICATION_SET_POWER_MANAGEMENT_V7
#define NOTIFICATION_SET_SYSTEM_V7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x08
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#define NOTIFICATION_SET_EMERGENCY_V7
#define NOTIFICATION_SET_CLOCK_V7
#define NOTIFICATION_SET_APPLIANCE_V7
#define NOTIFICATION_SET_HOME_HEALTH_V7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x0A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x0C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x0D
   #define NOTIFICATION_SET_SIREN_V7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x0E
#define NOTIFICATION_SET_WATER_VALVE_V7
#define NOTIFICATION_SET_WEATHER_ALARM_V7
#define NOTIFICATION_SET_IRRIGATION_V7
#define NOTIFICATION_SET_GAS_ALARM_V7
#define NOTIFICATION_SET_FIRST_V7
#define NOTIFICATION_SET_OFF_V7
#define NOTIFICATION_SET_OFF_V7
#define NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_SET_NO_PENDING_NOTIFICATION_PENDING_NOTIFICATION_PENDING_NOTIFICATION_PENDING_NOTIFICATION_PENDING_NOTIFICATION_PENDING_NOTIFICATION_PENDING_NOTIFICATION_PENDING_NOTIFICATION_PENDING_NOTIFICATION_PENDING_NOTIFICATION_PENDING_NOTIFICATION_PENDING_NOTIFICATION_PENDING_NOTIFICATION_PENDING_NOTIFICATION_PENDING_NOTIFICATION_PENDING_NOTIFICATI
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  #define NOTIFICATION_SET_NO_PENDING_NOTIFICATIONS_V7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0xFE
 #define NOTIFICATION_SET_ON_V7
/* Values used for Notification Supported Report command */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0xFF
 /* Values used for Notlitication Supported Report Command ', Hdefine Notlification_Supported_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V7 #define NOTLIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V7 #define NOTLIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V7 #define NOTLIFICATION_SUPPORTED_REPORT_PROPERTIES1_V1_ALARM_BIT_MASK_V7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x1F
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   ^{\prime \star} Values used for Event Supported Get command ^{\star \prime}
/* Values used for Event Supported Get command #define EVENT_SUPPORTED_GET_RESERVED_V7 #define EVENT_SUPPORTED_GET_SMOKE_V7 #define EVENT_SUPPORTED_GET_CO_V7 #define EVENT_SUPPORTED_GET_CO_V7 #define EVENT_SUPPORTED_GET_HEAT_V7 #define EVENT_SUPPORTED_GET_WATER_V7 #define EVENT_SUPPORTED_GET_ACCESS_CONTROL_V7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x00
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#define EVENT_SUPPORTED_GET_ACCESS_CONTROL_V7
#define EVENT_SUPPORTED_GET_HOME_SECURITY_V7
#define EVENT_SUPPORTED_GET_POWER_MANAGEMENT_V7
#define EVENT_SUPPORTED_GET_SYSTEM_V7
#define EVENT_SUPPORTED_GET_EMERGENCY_V7
#define EVENT_SUPPORTED_GET_CLOCK_V7
#define EVENT_SUPPORTED_GET_APPLIANCE_V7
#define EVENT_SUPPORTED_GET_HOME_HEALTH_V7
#define EVENT_SUPPORTED_GET_HOME_HEALTH_V7
#define EVENT_SUPPORTED_GET_WATER_VALVE_V7
#define EVENT_SUPPORTED_GET_WATER_VALVE_V7
#define EVENT_SUPPORTED_GET_IRRIGATION_V7
#define EVENT_SUPPORTED_GET_IRRIGATION_V7
#define EVENT_SUPPORTED_GET_GAS_ALARM_V7
#define EVENT_SUPPORTED_GET_FIRST_V7
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   #define EVENT_SUPPORTED_GET_FIRST_V7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0xFF
/* Values used for Event Supported Report command */
#define EVENT_SUPPORTED_REPORT_RESERVED_V7
#define EVENT_SUPPORTED_REPORT_SMOKE_V7
#define EVENT_SUPPORTED_REPORT_CO_V7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x02
  #define EVENT_SUPPORTED_REPORT_CO2_V7
#define EVENT_SUPPORTED_REPORT_HEAT_V7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x04
 #define EVENT_SUPPORTED_REPORT_MATER_V7
#define EVENT_SUPPORTED_REPORT_ACCESS_CONTROL_V7
#define EVENT_SUPPORTED_REPORT_HOME_SECURITY_V7
#define EVENT_SUPPORTED_REPORT_POWER_MANAGEMENT_V7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x05
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```

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#define EVENT SUPPORTED REPORT SYSTEM V7
                                                                                                                                                                                                                                                                                                                                                                  0x09
  #define EVENT_SUPPORTED_REPORT_EMERGENCY_V7
#define EVENT_SUPPORTED_REPORT_CLOCK_V7
                                                                                                                                                                                                                                                                                                                                                                  0x0A
#define EVENT_SUPPORTED_REPORT_CLOCK_V7

#define EVENT_SUPPORTED_REPORT_APPLIANCE_V7

#define EVENT_SUPPORTED_REPORT_HOME_HEALTH_V7

#define EVENT_SUPPORTED_REPORT_WATER_VALVE_V7

#define EVENT_SUPPORTED_REPORT_WEATHER_ALARM_V7

#define EVENT_SUPPORTED_REPORT_WEATHER_ALARM_V7

#define EVENT_SUPPORTED_REPORT_IRRIGATION_V7

#define EVENT_SUPPORTED_REPORT_FIRST_V7

#define EVENT_SUPPORTED_REPORT_FIRST_V7

#define EVENT_SUPPORTED_REPORT_FIRST_V7

#define EVENT_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V7

#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V7

#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V7
                                                                                                                                                                                                                                                                                                                                                                  0x0B
                                                                                                                                                                                                                                                                                                                                                                  0x0C
                                                                                                                                                                                                                                                                                                                                                                  0x0D
                                                                                                                                                                                                                                                                                                                                                                  0x0E
                                                                                                                                                                                                                                                                                                                                                                  0x0F
                                                                                                                                                                                                                                                                                                                                                                  0x10
                                                                                                                                                                                                                                                                                                                                                                  0x11
                                                                                                                                                                                                                                                                                                                                                                  0 \times 12
                                                                                                                                                                                                                                                                                                                                                                  0xFF
                                                                                                                                                                                                                                                                                                                                                                  0x1F
                                                                                                                                                                                                                                                                                                                                                                  0x05
  /* Notification command class commands */#define NOTIFICATION_VERSION_V8 #define NOTIFICATION_GET_V8
                                                                                                                                                                                                                                                                                                                                                                  0x08
                                                                                                                                                                                                                                                                                                                                                                  0x04
   #define NOTIFICATION_REPORT_V8
                                                                                                                                                                                                                                                                                                                                                                  0x05
   #define NOTIFICATION_SET_V8
                                                                                                                                                                                                                                                                                                                                                                  0x06
  #define NOTIFICATION_SUPPORTED_GET_V8
#define NOTIFICATION_SUPPORTED_REPORT_V8
                                                                                                                                                                                                                                                                                                                                                                  0x07
                                                                                                                                                                                                                                                                                                                                                                  0x08
  #define EVENT_SUPPORTED_GET_V8
#define EVENT_SUPPORTED_REPORT_V8
                                                                                                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                                                                                                  0x02
   /* Values used for Notification Get command */
  #define NOTIFICATION_GET_RESERVED_V8
#define NOTIFICATION_GET_SMOKE_V8
#define NOTIFICATION_GET_CO_V8
#define NOTIFICATION_GET_CO_V8
                                                                                                                                                                                                                                                                                                                                                                  0x00
                                                                                                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                                                                                                  0 \times 0.2
                                                                                                                                                                                                                                                                                                                                                                  0x03
  #define NOTIFICATION_GET_HEAT_V8
#define NOTIFICATION_GET_WATER_V8
#define NOTIFICATION_GET_ACCESS_CONTROL_V8
                                                                                                                                                                                                                                                                                                                                                                  0x04
                                                                                                                                                                                                                                                                                                                                                                  0x05
                                                                                                                                                                                                                                                                                                                                                                  0x06
  #define NOTIFICATION_GET_HOME_SECURITY_V8
#define NOTIFICATION_GET_HOME_MANAGEMENT_V8
#define NOTIFICATION_GET_SYSTEM_V8
#define NOTIFICATION_GET_EMERGENCY_V8
                                                                                                                                                                                                                                                                                                                                                                  0x07
                                                                                                                                                                                                                                                                                                                                                                  0x08
                                                                                                                                                                                                                                                                                                                                                                  0x09
                                                                                                                                                                                                                                                                                                                                                                  0x0A
  #define NOTIFICATION_GET_CLOCK_V8
                                                                                                                                                                                                                                                                                                                                                                  0x0B
  #define NOTIFICATION_GET_APPLIANCE_V8
#define NOTIFICATION_GET_HOME_HEALTH_V8
#define NOTIFICATION_GET_SIREN_V8
#define NOTIFICATION_GET_WATER_VALVE_V8
                                                                                                                                                                                                                                                                                                                                                                  0x0C
                                                                                                                                                                                                                                                                                                                                                                  0×0D
                                                                                                                                                                                                                                                                                                                                                                  0x0E
                                                                                                                                                                                                                                                                                                                                                                  0x0F
  #define NOTIFICATION_GET_WATER_VALVB_V0
#define NOTIFICATION_GET_WEATHER_ALARM_V8
#define NOTIFICATION_GET_IRRIGATION_V8
#define NOTIFICATION_GET_GAS_ALARM_V8
#define NOTIFICATION_GET_FIRST_V8
/* Values used for Notification Report command */
                                                                                                                                                                                                                                                                                                                                                                  0x10
                                                                                                                                                                                                                                                                                                                                                                  0x11
                                                                                                                                                                                                                                                                                                                                                                  0 \times 12
                                                                                                                                                                                                                                                                                                                                                                  0xFF
#define NOTIFICATION_GET_FIRST_V8

/* Values used for Notification Report command */
#define NOTIFICATION_REPORT_OFF_V8

#define NOTIFICATION_REPORT_NO_PENDING_NOTIFICATIONS_V8

#define NOTIFICATION_REPORT_ON_V8

#define NOTIFICATION_REPORT_GET_RESERVED_V8

#define NOTIFICATION_REPORT_CO_V8

#define NOTIFICATION_REPORT_CO_V8

#define NOTIFICATION_REPORT_CO_V8

#define NOTIFICATION_REPORT_HEAT_V8

#define NOTIFICATION_REPORT_HEAT_V8

#define NOTIFICATION_REPORT_ACCESS_CONTROL_V8

#define NOTIFICATION_REPORT_ACCESS_CONTROL_V8

#define NOTIFICATION_REPORT_HOME_SECURITY_V8

#define NOTIFICATION_REPORT_POWER_MANAGEMENT_V8

#define NOTIFICATION_REPORT_SYSTEM_V8

#define NOTIFICATION_REPORT_CLOCK_V8

#define NOTIFICATION_REPORT_CLOCK_V8

#define NOTIFICATION_REPORT_APPLIANCE_V8

#define NOTIFICATION_REPORT_HOME_HEALTH_V8

#define NOTIFICATION_REPORT_WATER_VALVE_V8

#define NOTIFICATION_REPORT_WATER_VALVE_V8

#define NOTIFICATION_REPORT_WATER_VALVE_V8
                                                                                                                                                                                                                                                                                                                                                                  0x00
                                                                                                                                                                                                                                                                                                                                                                  0xFE
                                                                                                                                                                                                                                                                                                                                                                  0xFF
                                                                                                                                                                                                                                                                                                                                                                  0×00
                                                                                                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                                                                                                  0x02
                                                                                                                                                                                                                                                                                                                                                                  0x03
                                                                                                                                                                                                                                                                                                                                                                  0x04
                                                                                                                                                                                                                                                                                                                                                                  0x05
                                                                                                                                                                                                                                                                                                                                                                  0 \times 0.6
                                                                                                                                                                                                                                                                                                                                                                  0 \times 0.7
                                                                                                                                                                                                                                                                                                                                                                  0x08
                                                                                                                                                                                                                                                                                                                                                                  0x09
                                                                                                                                                                                                                                                                                                                                                                  0x0A
                                                                                                                                                                                                                                                                                                                                                                  0 \times 0 B
                                                                                                                                                                                                                                                                                                                                                                  0x0C
                                                                                                                                                                                                                                                                                                                                                                  0x0D
                                                                                                                                                                                                                                                                                                                                                                  0x0E
                                                                                                                                                                                                                                                                                                                                                                  0x0F
 #define NOTIFICATION_REPORT_WATER_VALVE_V8
#define NOTIFICATION_REPORT_WEATHER_ALARM_V8
#define NOTIFICATION_REPORT_IRRIGATION_V8
#define NOTIFICATION_REPORT_GAS_ALARM_V8
#define NOTIFICATION_REPORT_FIRST_V8
#define NOTIFICATION_REPORT_PROPERTIES1_EVENT_PARAMETERS_LENGTH_MASK_V8
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_MASK_V8
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_SHIFT_V8
#define NOTIFICATION_REPORT_PROPERTIES1_SEQUENCE_BIT_MASK_V8
/* Values used for Notification Set command */
#define NOTIFICATION_SET_RESERVED_V8
#define NOTIFICATION_SET_RESERVED_V8
                                                                                                                                                                                                                                                                                                                                                                  0x10
                                                                                                                                                                                                                                                                                                                                                                  0x11
                                                                                                                                                                                                                                                                                                                                                                  0 \times 12
                                                                                                                                                                                                                                                                                                                                                                  0xFF
                                                                                                                                                                                                                                                                                                                                                                  0x1F
                                                                                                                                                                                                                                                                                                                                                                  0x05
                                                                                                                                                                                                                                                                                                                                                                  0x80
  #define NOTIFICATION_SET_RESERVED_V8
#define NOTIFICATION_SET_SMOKE_V8
#define NOTIFICATION_SET_CO_V8
                                                                                                                                                                                                                                                                                                                                                                  0x00
                                                                                                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                                                                                                  0x02
  #define NOTIFICATION_SET_CO2 V8
#define NOTIFICATION_SET_HEAT_V8
#define NOTIFICATION_SET_WATER_V8
#define NOTIFICATION_SET_ACCESS_CONTROL_V8
                                                                                                                                                                                                                                                                                                                                                                  0x03
                                                                                                                                                                                                                                                                                                                                                                  0 \times 0.4
                                                                                                                                                                                                                                                                                                                                                                  0x05
                                                                                                                                                                                                                                                                                                                                                                  0x06
```

```
#define NOTIFICATION SET HOME SECURITY V8
                                                                                                                                                                                                                                                              0x07
 #define NOTIFICATION_SET_POWER_MANAGEMENT_V8
#define NOTIFICATION_SET_SYSTEM_V8
                                                                                                                                                                                                                                                              0x08
                                                                                                                                                                                                                                                              0x09
#define NOTIFICATION_SET_SYSTEM_V8
#define NOTIFICATION_SET_EMERGENCY_V8
#define NOTIFICATION_SET_CLOCK_V8
#define NOTIFICATION_SET_APPLIANCE_V8
#define NOTIFICATION_SET_HOME_HEALTH_V8
#define NOTIFICATION_SET_SIREN_V8
#define NOTIFICATION_SET_WATER_VALVE_V8
#define NOTIFICATION_SET_WEATHER_ALARM_V8
#define NOTIFICATION_SET_FIRST_V8
#define NOTIFICATION_SET_FIRST_V8
#define NOTIFICATION_SET_OFF_V8
#define NOTIFICATION_SET_OFF_V8
#define NOTIFICATION_SET_OFF_V8
                                                                                                                                                                                                                                                              0x0A
                                                                                                                                                                                                                                                              0x0B
                                                                                                                                                                                                                                                              0x0C
                                                                                                                                                                                                                                                              0x0D
                                                                                                                                                                                                                                                              0x0E
                                                                                                                                                                                                                                                              0x0F
                                                                                                                                                                                                                                                              0 \times 10
                                                                                                                                                                                                                                                              0x11
                                                                                                                                                                                                                                                              0x12
                                                                                                                                                                                                                                                              0xFF
                                                                                                                                                                                                                                                              0x00
 #define NOTIFICATION_SET_NO_PENDING_NOTIFICATIONS_V8
                                                                                                                                                                                                                                                              0xFE
 #define NOTIFICATION_SET_ON_V8
/* Values used for Notification Supported Report command */
                                                                                                                                                                                                                                                              0xFF
/* Values used for Notification Supported Report command */
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V8
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V8
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V8
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_V1_ALARM_BIT_MASK_V8
/* Values used for Event_Supported Get_command */
#define EVENT_SUPPORTED_GET_RESERVED_V8
#define_EVENT_SUPPORTED_GET_SMOKE_V8
#define_EVENT_SUPPORTED_GET_SOURCE_V8
                                                                                                                                                                                                                                                              0x1F
                                                                                                                                                                                                                                                              0x60
                                                                                                                                                                                                                                                              0x05
                                                                                                                                                                                                                                                              0x80
                                                                                                                                                                                                                                                              0x00
                                                                                                                                                                                                                                                              0x01
  #define EVENT SUPPORTED GET CO V8
                                                                                                                                                                                                                                                              0x02
 #define EVENT_SUPPORTED_GET_CO2_V8
#define EVENT_SUPPORTED_GET_HEAT_V8
#define EVENT_SUPPORTED_GET_WATER_V8
#define EVENT_SUPPORTED_GET_ACCESS_CONTROL_V8
                                                                                                                                                                                                                                                              0x03
                                                                                                                                                                                                                                                              0x04
                                                                                                                                                                                                                                                              0 \times 0.5
                                                                                                                                                                                                                                                              0x06
 #define EVENT_SUPPORTED_GET_HOME_SECURITY_V8
#define EVENT_SUPPORTED_GET_POWER_MANAGEMENT_V8
#define EVENT_SUPPORTED_GET_SYSTEM_V8
                                                                                                                                                                                                                                                              0x07
                                                                                                                                                                                                                                                              0x08
                                                                                                                                                                                                                                                              0x09
 #define EVENT_SUPPORTED_GET_EMERGENCY_V8
#define EVENT_SUPPORTED_GET_CLOCK_V8
#define EVENT_SUPPORTED_GET_APPLIANCE_V8
#define EVENT_SUPPORTED_GET_HOME_HEALTH_V8
                                                                                                                                                                                                                                                              0x0A
                                                                                                                                                                                                                                                              0x0B
                                                                                                                                                                                                                                                              0x0C
                                                                                                                                                                                                                                                              0x0D
#define EVENT_SUPPORTED_GET_SIREN_V8
#define EVENT_SUPPORTED_GET_SIREN_V8
#define EVENT_SUPPORTED_GET_WATER_VALVE_V8
#define EVENT_SUPPORTED_GET_WEATHER_ALARM_V8
#define EVENT_SUPPORTED_GET_IRRIGATION_V8
#define EVENT_SUPPORTED_GET_GAS_ALARM_V8
#define EVENT_SUPPORTED_GET_FIRST_V8
                                                                                                                                                                                                                                                              0x0E
                                                                                                                                                                                                                                                              0x0F
                                                                                                                                                                                                                                                              0 \times 10
                                                                                                                                                                                                                                                              0x11
                                                                                                                                                                                                                                                              0x12
                                                                                                                                                                                                                                                              0xFF
  /* Values used for Event Supported Report command */
 #define EVENT_SUPPORTED_REPORT_RESERVED_V8
#define EVENT_SUPPORTED_REPORT_CO_V8
#define EVENT_SUPPORTED_REPORT_CO_V8
#define EVENT_SUPPORTED_REPORT_CO_V8
#define EVENT_SUPPORTED_REPORT_CO_V8
#define EVENT_SUPPORTED_REPORT_HEAT_V8
                                                                                                                                                                                                                                                              0x00
                                                                                                                                                                                                                                                              0x01
                                                                                                                                                                                                                                                              0x02
                                                                                                                                                                                                                                                              0x03
                                                                                                                                                                                                                                                              0x04
 #define EVENT_SUPPORTED_REPORT_WATER_V8
#define EVENT_SUPPORTED_REPORT_ACCESS_CONTROL_V8
#define EVENT_SUPPORTED_REPORT_HOME_SECURITY_V8
#define EVENT_SUPPORTED_REPORT_POWER_MANAGEMENT_V8
#define EVENT_SUPPORTED_REPORT_SYSTEM_V8
                                                                                                                                                                                                                                                              0x05
                                                                                                                                                                                                                                                              0×06
                                                                                                                                                                                                                                                              0x07
                                                                                                                                                                                                                                                              0x08
                                                                                                                                                                                                                                                              0x09
 #define EVENT_SUPPORTED_REPORT_SISTEM_V0
#define EVENT_SUPPORTED_REPORT_CLOCK_V8
#define EVENT_SUPPORTED_REPORT_APPLIANCE_V8
#define EVENT_SUPPORTED_REPORT_HOME_HEALTH_V8
#define EVENT_SUPPORTED_REPORT_SIREN_V8
                                                                                                                                                                                                                                                              0x0A
                                                                                                                                                                                                                                                              0x0B
                                                                                                                                                                                                                                                              0 \times 0 C
                                                                                                                                                                                                                                                              0 \times 0 D
                                                                                                                                                                                                                                                              0x0E
#define EVENT_SUPPORTED_REPORT_SIREN_V8
#define EVENT_SUPPORTED_REPORT_WATER_VALVE_V8
#define EVENT_SUPPORTED_REPORT_WEATHER_ALARM_V8
#define EVENT_SUPPORTED_REPORT_IRRIGATION_V8
#define EVENT_SUPPORTED_REPORT_GAS_ALARM_V8
#define EVENT_SUPPORTED_REPORT_FIRST_V8
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V8
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V8
                                                                                                                                                                                                                                                              0x0F
                                                                                                                                                                                                                                                              0x10
                                                                                                                                                                                                                                                              0 \times 11
                                                                                                                                                                                                                                                              0x12
                                                                                                                                                                                                                                                              0xFF
                                                                                                                                                                                                                                                              0x1F
                                                                                                                                                                                                                                                              0xE0
 #define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V8
                                                                                                                                                                                                                                                              0x05
 0x01
 #define APPLICATION BUSY
                                                                                                                                                                                                                                                              0x01
  #define APPLICATION_REJECTED_REQUEST
                                                                                                                                                                                                                                                              0x02
#define APPLICATION_BUSY_TRY_AGAIN_LATER
#define APPLICATION_BUSY_TRY_AGAIN_IN_WAIT_TIME_SECONDS
#define APPLICATION_BUSY_REQUEST_QUEUED_EXECUTED_LATER
                                                                                                                                                                                                                                                              0x00
                                                                                                                                                                                                                                                              0x01
                                                                                                                                                                                                                                                              0x02
  ^{\prime \star} Association Command Configuration command class commands ^{\star \prime}
 #define ASSOCIATION COMMAND CONFIGURATION_VERSION
#define COMMAND_CONFIGURATION_GET
#define COMMAND_CONFIGURATION_REPORT
#define COMMAND_CONFIGURATION_SET
                                                                                                                                                                                                                                                              0x01
                                                                                                                                                                                                                                                              0 \times 0.4
                                                                                                                                                                                                                                                              0x05
                                                                                                                                                                                                                                                              0x03
```

```
#define COMMAND RECORDS SUPPORTED GET
                                                                                                                                                                                                                       0x01
 #define COMMAND_RECORDS_SUPPORTED_REPORT
                                                                                                                                                                                                                       0x02
 /* Values used for Command Configuration Report command */
#define COMMAND_CONFIGURATION_REPORT_PROPERTIES1_REPORTS_TO_FOLLOW_MASK
#define COMMAND_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_MASK
#define COMMAND_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_SHIFT
#define COMMAND_CONFIGURATION_REPORT_PROPERTIES1_FIRST_BIT_MASK
                                                                                                                                                                                                                       0×0F
                                                                                                                                                                                                                       0x70
                                                                                                                                                                                                                       0x04
                                                                                                                                                                                                                       0x80
 /* Values used for Command Records Supported Report command */
#define COMMAND_RECORDS_SUPPORTED_REPORT_PROPERTIES1_CONF_CMD_BIT_MASK
#define COMMAND_RECORDS_SUPPORTED_REPORT_PROPERTIES1_V_C_BIT_MASK
#define COMMAND_RECORDS_SUPPORTED_REPORT_PROPERTIES1_MAX_COMMAND_LENGTH_MASK
#define COMMAND_RECORDS_SUPPORTED_REPORT_PROPERTIES1_MAX_COMMAND_LENGTH_SHIFT
                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                       0 \times 02
                                                                                                                                                                                                                       0xFC
                                                                                                                                                                                                                       0x02
 /* Association command class commands */
 #define ASSOCIATION_VERSION
                                                                                                                                                                                                                       0x01
#define ASSOCIATION_GET
#define ASSOCIATION_GROUPINGS_GET
                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                       0x05
 #define ASSOCIATION_GROUPINGS_REPORT
#define ASSOCIATION_REMOVE
                                                                                                                                                                                                                       0x06
                                                                                                                                                                                                                       0x04
 #define ASSOCIATION_REPORT
                                                                                                                                                                                                                       0x03
#define ASSOCIATION SET
                                                                                                                                                                                                                       0 \times 0.1
 /* Association command class commands */
#define ASSOCIATION_VERSION_V2
#define ASSOCIATION_GET_V2
                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                       0x02
#define ASSOCIATION_GET_V2
#define ASSOCIATION_GROUPINGS_GET_V2
#define ASSOCIATION_GROUPINGS_REPORT_V2
#define ASSOCIATION_REMOVE_V2
#define ASSOCIATION_REPORT_V2
                                                                                                                                                                                                                       0x05
                                                                                                                                                                                                                       0×06
                                                                                                                                                                                                                       0 \times 0.4
                                                                                                                                                                                                                       0x03
#define ASSOCIATION_SET_V2
#define ASSOCIATION_SPECIFIC_GROUP_GET_V2
#define ASSOCIATION_SPECIFIC_GROUP_REPORT_V2
                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                       0x0B
                                                                                                                                                                                                                       0x0C
/* Av Content Directory Md command class commands */#define AV_CONTENT_DIRECTORY_MD_VERSION #define AV_CONTENT_BROWSE_MD_BY_LETTER_GET
                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                       0x03
#define AV_CONTENT_BROWSE_MD_BY_LETTER_GET
#define AV_CONTENT_BROWSE_MD_BY_LETTER_REPORT
#define AV_CONTENT_BROWSE_MD_CHILD_COUNT_GET
#define AV_CONTENT_BROWSE_MD_GET
#define AV_CONTENT_BROWSE_MD_GET
#define AV_CONTENT_BROWSE_MD_REPORT
#define AV_MATCH_ITEM_TO_RENDERER_MD_GET
#define AV_MATCH_ITEM_TO_RENDERER_MD_REPORT
                                                                                                                                                                                                                       0x04
                                                                                                                                                                                                                       0x05
                                                                                                                                                                                                                       0×06
                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                       0x08
 /* Av Content Search Md command class commands */
#define AV_CONTENT_SEARCH_MD_VERSION
#define AV_CONTENT_SEARCH_MD_GET
#define AV_CONTENT_SEARCH_MD_REPORT
                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                       0x02
 /* Av Renderer Status command class commands */
#define AV_RENDERER_STATUS_VERSION
#define AV_RENDERER_STATUS_GET
#define AV_RENDERER_STATUS_REPORT
                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                       0x02
/* Av Tagging Md command class commands */
#define AV_TAGGING_MD_VERSION
#define AV_TAGGING_MD_GET
#define AV_TAGGING_MD_REPORT
                                                                                                                                                                                                                       0 \times 0.1
                                                                                                                                                                                                                       0 \times 0.1
                                                                                                                                                                                                                       0x02
 /* Basic Tariff Info command class commands */
#define BASIC_TARIFF_INFO_VERSION
#define BASIC_TARIFF_INFO_GET
#define BASIC_TARIFF_INFO_REPORT
                                                                                                                                                                                                                       0 \times 0.1
                                                                                                                                                                                                                       0x01
#define BASIC_TARIFF_INFO_REPORT

/* Values used for Basic Tariff Info Report command */

#define BASIC_TARIFF_INFO_REPORT_PROPERTIES1_TOTAL_NO_IMPORT_RATES_MASK

#define BASIC_TARIFF_INFO_REPORT_PROPERTIES1_RESERVED1_MASK

#define BASIC_TARIFF_INFO_REPORT_PROPERTIES1_RESERVED1_SHIFT

#define BASIC_TARIFF_INFO_REPORT_PROPERTIES1_DUAL_BIT_MASK

#define BASIC_TARIFF_INFO_REPORT_PROPERTIES2_E1_CURRENT_RATE_IN_USE_MASK

#define BASIC_TARIFF_INFO_REPORT_PROPERTIES2_RESERVED2_MASK

#define BASIC_TARIFF_INFO_REPORT_PROPERTIES2_RESERVED2_SHIFT

#define BASIC_TARIFF_INFO_REPORT_PROPERTIES3_E2_CURRENT_RATE_IN_USE_MASK

#define BASIC_TARIFF_INFO_REPORT_PROPERTIES3_RESERVED3_MASK

#define BASIC_TARIFF_INFO_REPORT_PROPERTIES3_RESERVED3_MASK

#define BASIC_TARIFF_INFO_REPORT_PROPERTIES3_RESERVED3_SHIFT
                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                       0x0F
                                                                                                                                                                                                                       0x70
                                                                                                                                                                                                                       0x04
                                                                                                                                                                                                                       0 \times 80
                                                                                                                                                                                                                       0x0F
                                                                                                                                                                                                                       0xF0
                                                                                                                                                                                                                       0x04
                                                                                                                                                                                                                       0x0F
                                                                                                                                                                                                                       0 \times F0
                                                                                                                                                                                                                       0x04
 /* Basic Window Covering command class commands */
 #define BASIC_WINDOW_COVERING_VERSION
                                                                                                                                                                                                                       0x01
#define BASIC_WINDOW_COVERING_START_LEVEL_CHANGE
#define BASIC_WINDOW_COVERING_STOP_LEVEL_CHANGE
/* Values used for Basic Window Covering Start Level Change command */
                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                       0 \times 02
 #define BASIC_WINDOW_COVERING_START_LEVEL_CHANGE_LEVEL_RESERVED1_MASK
                                                                                                                                                                                                                       0x3F
```

```
#define BASIC WINDOW COVERING START LEVEL CHANGE LEVEL OPEN CLOSE BIT MASK
                                                                                                                                                                                                                                                                                                                                              0x40
  #define BASIC_WINDOW_COVERING_START_LEVEL_CHANGE_LEVEL_RESERVED2_BIT_MASK
                                                                                                                                                                                                                                                                                                                                              0x80
   /* Basic command class commands */
 #define BASIC_VERSION
#define BASIC_GET
                                                                                                                                                                                                                                                                                                                                              0x01
                                                                                                                                                                                                                                                                                                                                              0x02
   #define BASIC REPORT
                                                                                                                                                                                                                                                                                                                                              0x03
   #define BASIC SET
                                                                                                                                                                                                                                                                                                                                              0x01
   /* Basic command class commands */
 #define BASIC_VERSION_V2
#define BASIC_GET_V2
#define BASIC_REPORT_V2
                                                                                                                                                                                                                                                                                                                                              0x02
                                                                                                                                                                                                                                                                                                                                              0x02
                                                                                                                                                                                                                                                                                                                                              0x03
  #define BASIC SET V2
                                                                                                                                                                                                                                                                                                                                              0x01
 /* Battery command class commands */
#define BATTERY_VERSION
#define BATTERY_GET
#define BATTERY_REPORT
                                                                                                                                                                                                                                                                                                                                              0x01
                                                                                                                                                                                                                                                                                                                                              0x02
                                                                                                                                                                                                                                                                                                                                              0x03
 /* Chimney Fan command class commands */
#define CHIMNEY_FAN_VERSION
#define CHIMNEY_FAN_ALARM_LOG_GET
#define CHIMNEY_FAN_ALARM_LOG_REPORT
                                                                                                                                                                                                                                                                                                                                              0x01
                                                                                                                                                                                                                                                                                                                                              0x20
                                                                                                                                                                                                                                                                                                                                              0x21
 #define CHIMNEY_FAN_ALARM_LOG_SET
#define CHIMNEY_FAN_ALARM_STATUS_GET
#define CHIMNEY_FAN_ALARM_STATUS_REPORT
#define CHIMNEY_FAN_ALARM_STATUS_SET
#define CHIMNEY_FAN_ALARM_TEMP_GET
                                                                                                                                                                                                                                                                                                                                              0x1F
                                                                                                                                                                                                                                                                                                                                              0x23
                                                                                                                                                                                                                                                                                                                                              0 \times 24
                                                                                                                                                                                                                                                                                                                                              0 \times 2.2
                                                                                                                                                                                                                                                                                                                                              0x0E
 #define CHIMNEY_FAN_ALARM_TEMP_REPORT
#define CHIMNEY_FAN_ALARM_TEMP_SET
#define CHIMNEY_FAN_BOOST_TIME_GET
                                                                                                                                                                                                                                                                                                                                              0x0F
                                                                                                                                                                                                                                                                                                                                              0x0D
                                                                                                                                                                                                                                                                                                                                              0x11
 #define CHIMNEY_FAN_BOOST_TIME_REPORT
#define CHIMNEY_FAN_BOOST_TIME_SET
#define CHIMNEY_FAN_DEFAULT_SET
#define CHIMNEY_FAN_MIN_SPEED_GET
                                                                                                                                                                                                                                                                                                                                              0x12
                                                                                                                                                                                                                                                                                                                                              0x10
                                                                                                                                                                                                                                                                                                                                              0x28
                                                                                                                                                                                                                                                                                                                                              0x26
  #define CHIMNEY_FAN_MIN_SPEED_REPORT
                                                                                                                                                                                                                                                                                                                                              0x27
 #define CHIMNEY FAN MIN SPEED SET
#define CHIMNEY FAN MODE GET
#define CHIMNEY FAN MODE REPORT
#define CHIMNEY FAN MODE SET
                                                                                                                                                                                                                                                                                                                                              0x25
                                                                                                                                                                                                                                                                                                                                              0 \times 17
                                                                                                                                                                                                                                                                                                                                              0x18
                                                                                                                                                                                                                                                                                                                                              0x16
 #define CHIMNEY_FAN_SETUP_GET
#define CHIMNEY_FAN_SETUP_REPORT
#define CHIMNEY_FAN_SETUP_SET
                                                                                                                                                                                                                                                                                                                                              0x1A
                                                                                                                                                                                                                                                                                                                                              0x1B
                                                                                                                                                                                                                                                                                                                                              0x19
 #define CHIMNEY_FAN_SPEED_GET
#define CHIMNEY_FAN_SPEED_REPORT
                                                                                                                                                                                                                                                                                                                                              0 \times 0.5
                                                                                                                                                                                                                                                                                                                                              0x06
 #define CHIMNEY_FAN_SPEED_REPORT
#define CHIMNEY_FAN_SPEED_SET
#define CHIMNEY_FAN_START_TEMP_GET
#define CHIMNEY_FAN_START_TEMP_SET
#define CHIMNEY_FAN_START_TEMP_SET
#define CHIMNEY_FAN_STATE_GET
#define CHIMNEY_FAN_STATE_REPORT
#define CHIMNEY_FAN_STATE_SET
#define CHIMNEY_FAN_STATE_SET
#define CHIMNEY_FAN_STATE_SET
                                                                                                                                                                                                                                                                                                                                              0x04
                                                                                                                                                                                                                                                                                                                                              0x08
                                                                                                                                                                                                                                                                                                                                              0x09
                                                                                                                                                                                                                                                                                                                                              0 \times 0.7
                                                                                                                                                                                                                                                                                                                                              0x02
                                                                                                                                                                                                                                                                                                                                              0x03
                                                                                                                                                                                                                                                                                                                                              0x01
   #define CHIMNEY_FAN_STATUS_GET
                                                                                                                                                                                                                                                                                                                                              0x1D
 #define CHIMNEY_FAN_STATUS_REPORT
#define CHIMNEY_FAN_STOP_TEMP_GET
                                                                                                                                                                                                                                                                                                                                              0x1E
                                                                                                                                                                                                                                                                                                                                              0 \times 0 B
 #define CHIMNEY_FAN_STOP_TEMP_REPORT
#define CHIMNEY_FAN_STOP_TEMP_SET
                                                                                                                                                                                                                                                                                                                                              0 \times 0 C
#define CHIMNEY FAN STOP TEMP SET

#define CHIMNEY FAN STOP TEMP SET

#define CHIMNEY FAN STOP TIME GET

#define CHIMNEY FAN STOP TIME GET

#define CHIMNEY FAN STOP TIME GET

#define CHIMNEY FAN STOP TIME SET

#define CHIMNEY FAN STOP TIME SET

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 1 RESERVED11 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 1 EXTERNAL ALARM 1 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 1 SENSOR ERROR 1 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 1 ALARM TEMPERATURE EXCEEDED 1 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 1 RESERVED12 MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 1 RESERVED12 SHIFT

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 1 RESERVED12 SHIFT

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 1 RESERVED12 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 1 RESERVED12 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 2 RESERVED12 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 2 RESERVED21 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 2 RESERVED22 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 2 RESERVED22 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 2 RESERVED22 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 2 RESERVED22 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 2 RESERVED22 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 2 RESERVED22 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 2 RESERVED22 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 2 RESERVED22 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 2 RESERVED22 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 2 RESERVED22 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 2 RESERVED22 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 2 RESERVED22 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT ALARM EVENT 2 ALARM TEMPERATURE EXCEEDED 2 BIT MASK

#define CHIMNEY FAN ALARM LOG REPORT 
                                                                                                                                                                                                                                                                                                                                              0x0A
  #define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_2_ALARM_STILL_ACTIVE_2_BIT_MASK
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_3_RESERVED31_BIT_MASK
                                                                                                                                                                                                                                                                                                                                              0x80
                                                                                                                                                                                                                                                                                                                                              0x01
 #define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_3_EXTERNAL_ALARM_3_BIT_MASK 0x02
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_3_SENSOR_ERROR_3_BIT_MASK 0x04
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_3_ALARM_TEMPERATURE_EXCEEDED_3_BIT_MASK 0x08
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_3_RESERVED32_MASK 0x70
```

```
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_3 RESERVED32_SHIFT 0x00
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_3 ALARM_STILL_ACTIVE_3 BIT_MASK 0x80
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_4 RESERVED41_BIT_MASK 0x01
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_4 EXTERNAL_ALARM_4 BIT_MASK 0x04
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_4 SENSOR_ERROR_4 BIT_MASK 0x04
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_4 ALARM_TEMPERATURE_EXCEEDED_4 BIT_MASK 0x08
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_4 RESERVED42_MASK 0x70
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_4 RESERVED42_SHIFT 0x04
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_4 ALARM_STILL_ACTIVE_4 BIT_MASK 0x01
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_5 RESERVED51_BIT_MASK 0x01
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_5 EXTERNAL_ALARM_5 BIT_MASK 0x04
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_5 SENSOR_ERROR_5 BIT_MASK 0x04
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_5 SENSOR_ERROR_5 BIT_MASK 0x04
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_5 RESERVED52_MASK 0x70
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_5 RESERVED52 SHIFT 0x04
  #define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_3_RESERVED32_SHIFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x04
 #define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_5_RESERVEDS2_SHIFT
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_5_ALARM_STILL_ACTIVE_5_BIT_MASK
/* Values used for Chimney Fan Alarm Log Set command */
#define CHIMNEY_FAN_ALARM_LOG_SET_RESET_LOG
/* Values used for Chimney Fan Alarm Status Report command */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x08
 #define CHIMNEY_FAN_ALARM_STATUS_REPORT_ALARM_STATUS_SERVICE_BIT_MASK 0x01
#define CHIMNEY_FAN_ALARM_STATUS_REPORT_ALARM_STATUS_EXTERNAL_ALARM_BIT_MASK 0x02
#define CHIMNEY_FAN_ALARM_STATUS_REPORT_ALARM_STATUS_SENSOR_ERROR_BIT_MASK 0x04
#define CHIMNEY_FAN_ALARM_STATUS_REPORT_ALARM_STATUS_ALARM_TEMPERATURE_EXCEEDED_BIT_MASK 0x08
#define CHIMNEY_FAN_ALARM_STATUS_REPORT_ALARM_STATUS_NOT_USED_MASK 0x30
   #define CHIMNEY FAN ALARM STATUS REPORT ALARM STATUS NOT USED SHIFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x04
 #define CHIMNEY FAN ALARM STATUS REPORT ALARM STATUS SPEED CHANGE ENABLE BIT MASK 0x40
#define CHIMNEY FAN ALARM STATUS REPORT ALARM STATUS START TEMPERATURE EXCEEDED BIT MASK 0x80
  #define Chimnel Fan Alarm Status Refort Abaks Set command */
#define CHIMNEY FAN ALARM STATUS SET MESSAGE NOT USED1 BIT MASK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x01
#define CHIMNEY_FAN_ALARM_STATUS_SET_MESSAGE_ACKNOWLEDGE_EXTERNAL_ALARM_BIT_MASK 0x02
#define CHIMNEY_FAN_ALARM_STATUS_SET_MESSAGE_ACKNOWLEDGE_EXTERNAL_ALARM_BIT_MASK 0x04
#define CHIMNEY_FAN_ALARM_STATUS_SET_MESSAGE_ACKNOWLEDGE_SENSOR_ERROR_BIT_MASK 0x08
#define CHIMNEY_FAN_ALARM_STATUS_SET_MESSAGE_ACKNOWLEDGE_ALARM_TEMPERATURE_EXCEEDED_BIT_MASK 0x08
#define CHIMNEY_FAN_ALARM_STATUS_SET_MESSAGE_NOT_USED2_MASK 0xF0
#define CHIMNEY_FAN_ALARM_STATUS_SET_MESSAGE_NOT_USED2_SHIFT 0x04

/* Values used for Chimney_Fan_ALARM_TEMP_REPORT_PROPERTIES1_SIZE_MASK 0x07
#define_CHIMNEY_FAN_ALARM_TEMP_REPORT_PROPERTIES1_SIZE_MASK 0x07
#define_CHIMNEY_FAN_ALARM_TEMP_REPORT_PROPERTIES1_SCALE_MASK 0x18
  #define CHIMNEY_FAN_ALARM_TEMP_REPORT_PROPERTIES1_SCALE_MASK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x18
#define CHIMNEY_FAN_ALARM_TEMP_REPORT_PROPERTIES1_SCALE_MASK
#define CHIMNEY_FAN_ALARM_TEMP_REPORT_PROPERTIES1_SCALE_SHIFT
#define CHIMNEY_FAN_ALARM_TEMP_REPORT_PROPERTIES1_PRECISION_MASK
#define CHIMNEY_FAN_ALARM_TEMP_REPORT_PROPERTIES1_PRECISION_SHIFT
/* Values used for Chimney_Fan_ALARM_TEMP_SET_PROPERTIES1_SIZE_MASK
#define CHIMNEY_FAN_ALARM_TEMP_SET_PROPERTIES1_SIZE_MASK
#define CHIMNEY_FAN_ALARM_TEMP_SET_PROPERTIES1_SCALE_SHIFT
#define CHIMNEY_FAN_ALARM_TEMP_SET_PROPERTIES1_PRECISION_MASK
#define CHIMNEY_FAN_ALARM_TEMP_SET_PROPERTIES1_PRECISION_SHIFT
/* Values_used_for_Chimney_Fan_Mode_Report_command_*/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0xE0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x07
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0xE0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0 \times 05
     /* Values used for Chimney Fan Mode Report command */
 #define CHIMNEY FAN MODE REPORT OFF
#define CHIMNEY FAN MODE REPORT ON
/* Values used for Chimney Fan Mode Set command */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0xFF
 #define CHIMNEY_FAN_MODE_SET_OFF
#define CHIMNEY_FAN_MODE_SET_ON
/* Values used for Chimney Fan Setup Report command */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0xFF
/* Values used for Chimney Fan Setup Report command */
#define CHIMNEY FAN SETUP REPORT OFF
#define CHIMNEY FAN SETUP REPORT ON
#define CHIMNEY FAN SETUP REPORT ON
#define CHIMNEY FAN SETUP REPORT PROPERTIES1 SIZE 1 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES1 SCALE 1 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES1 SCALE 1 SHIFT
#define CHIMNEY FAN SETUP REPORT PROPERTIES1 PRECISION 1 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES1 PRECISION 1 SHIFT
#define CHIMNEY FAN SETUP REPORT PROPERTIES2 SIZE 2 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES2 SCALE 2 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES2 SCALE 2 SHIFT
#define CHIMNEY FAN SETUP REPORT PROPERTIES2 PRECISION 2 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES2 PRECISION 2 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 SIZE 3 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 SCALE 3 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 SCALE 3 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 SCALE 3 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 SCALE 3 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 PRECISION 3 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 PRECISION 3 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 PRECISION 3 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 PRECISION 3 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 PRECISION 3 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 PRECISION 3 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 PRECISION 3 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 PRECISION 3 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 PRECISION 3 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 PRECISION 3 MASK
#define CHIMNEY FAN SETUP REPORT PROPERTIES3 PRECISION 3 MASK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0xFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0 \times 0.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0 \times 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0xE0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0 \times 0.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0xE0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x05
/* Values used for Chimney Fan Setup Set command */
#define CHIMNEY FAN_SETUP_SET_OFF
#define CHIMNEY FAN_SETUP_SET_ON
#define CHIMNEY FAN_SETUP_SET_PROPERTIES1_SIZE_1_MASK
#define CHIMNEY FAN_SETUP_SET_PROPERTIES1_SCALE_1_MASK
#define CHIMNEY FAN_SETUP_SET_PROPERTIES1_SCALE_1_SHIFT
#define CHIMNEY FAN_SETUP_SET_PROPERTIES1_PRECISION_1_MASK
#define CHIMNEY FAN_SETUP_SET_PROPERTIES1_PRECISION_1_SHIFT
#define CHIMNEY FAN_SETUP_SET_PROPERTIES2_SIZE_2_MASK
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES2_SCALE_2_MASK
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES2_SCALE_2_SHIFT
     /* Values used for Chimney Fan Setup Set command */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0xFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x07
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x05
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0x18
```

```
#define CHIMNEY FAN SETUP SET PROPERTIES2 PRECISION 2 MASK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0xE0
 #define CHIMNEY_FAN_SETUP_SET_PROPERTIES2_PRECISION_2 MASK
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES2_PRECISION_2_SHIFT
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES3_SIZE_3_MASK
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES3_SCALE_3_SHIFT
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES3_PRECISION_3_MASK
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES3_PRECISION_3_SHIFT
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES3_PRECISION_3_SHIFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0xE0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x05
/* Values used for Chimney Fan Start Temp Report command */
#define CHIMNEY FAN START TEMP REPORT PROPERTIES1 SIZE MASK
#define CHIMNEY FAN START TEMP REPORT PROPERTIES1 SCALE MASK
#define CHIMNEY FAN START TEMP REPORT PROPERTIES1 SCALE SHIFT
#define CHIMNEY FAN START TEMP REPORT PROPERTIES1 PRECISION_MASK
#define CHIMNEY FAN START TEMP REPORT PROPERTIES1 PRECISION_SHIFT
/* Values used for Chimney Fan Start Temp Set command */
#define CHIMNEY FAN START TEMP SET PROPERTIES1 SIZE MASK
#define CHIMNEY FAN START TEMP SET PROPERTIES1 SIZE MASK
#define CHIMNEY FAN START TEMP SET PROPERTIES1 SCALE SHIFT
#define CHIMNEY FAN START TEMP SET PROPERTIES1 PRECISION_MASK
#define CHIMNEY FAN START TEMP SET PROPERTIES1 PRECISION_SHIFT
/* Values used for Chimney Fan State Report command */
    /* Values used for Chimney Fan Start Temp Report command */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0xE0
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0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0xE0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x05
    /* Values used for Chimney Fan State Report command */
  #define CHIMNEY_FAN_STATE_REPORT_OFF
#define CHIMNEY_FAN_STATE_REPORT_BOOST
#define CHIMNEY_FAN_STATE_REPORT_EXHAUST
#define CHIMNEY_FAN_STATE_REPORT_RELOAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x03
 #define CHIMNEY_FAN_STATE_REPORT_RELOAD
#define CHIMNEY_FAN_STATE_REPORT_VENTING
#define CHIMNEY_FAN_STATE_REPORT_STOP
#define CHIMNEY_FAN_STATE_REPORT_VENTING_EX
#define CHIMNEY_FAN_STATE_REPORT_SERVICE
#define CHIMNEY_FAN_STATE_REPORT_SENSOR_FAILURE
#define CHIMNEY_FAN_STATE_REPORT_CHIMNEY_FIRE
#define CHIMNEY_FAN_STATE_REPORT_EXTERNAL_ALARM
/* Values_used_for_Chimney_Fan_State_Set_commander
* Values_used_for_Chimney_Fan_State_Set_commander
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0×06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 0.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x0A
    /* Values used for Chimney Fan State Set command */
  / values used for Chimney Fan State Set Command /
#define CHIMNEY_FAN_STATE_SET_NEXT_STATE
/* Values used for Chimney Fan Status Report command */
#define CHIMNEY_FAN_STATUS_REPORT_OFF
#define CHIMNEY_FAN_STATUS_REPORT_BOOST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 0.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x01
    #define CHIMNEY_FAN_STATUS_REPORT_EXHAUST
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x02
 #define CHIMNEY_FAN_STATUS_REPORT_EXHAUST #define CHIMNEY_FAN_STATUS_REPORT_RELOAD #define CHIMNEY_FAN_STATUS_REPORT_VENTING #define CHIMNEY_FAN_STATUS_REPORT_STOP #define CHIMNEY_FAN_STATUS_REPORT_VENTING_EX #define CHIMNEY_FAN_STATUS_REPORT_SERVICE #define CHIMNEY_FAN_STATUS_REPORT_SENSOR_FAILURE #define CHIMNEY_FAN_STATUS_REPORT_CHIMNEY_FIRE #define CHIMNEY_FIRE #define #
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 0.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 0.9
  #define CHIMNEY FAN STATUS REPORT EXTERNAL ALARM
#define CHIMNEY FAN STATUS REPORT ALARM STATUS SERVICE BIT MASK
#define CHIMNEY FAN STATUS REPORT ALARM STATUS EXTERNAL ALARM BIT MASK
#define CHIMNEY FAN STATUS REPORT ALARM STATUS SENSOR ERROR BIT MASK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 0 A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x04
#define CHIMNEY_FAN_STATUS_REPORT_ALARM_STATUS_SENSOR_ERROR_BIT_MASK
#define CHIMNEY_FAN_STATUS_REPORT_ALARM_STATUS_ALARM_TEMPERATURE_EXCEEDED_BIT_MASK
#define CHIMNEY_FAN_STATUS_REPORT_ALARM_STATUS_NOT_USED_MASK
#define CHIMNEY_FAN_STATUS_REPORT_ALARM_STATUS_NOT_USED_SHIFT
#define CHIMNEY_FAN_STATUS_REPORT_ALARM_STATUS_SPEED_CHANGE_ENABLE_BIT_MASK
#define CHIMNEY_FAN_STATUS_REPORT_ALARM_STATUS_START_TEMPERATURE_EXCEEDED_BIT_MASK
#define CHIMNEY_FAN_STATUS_REPORT_PROPERTIES1_SIZE_MASK
#define CHIMNEY_FAN_STATUS_REPORT_PROPERTIES1_SCALE_MASK
#define CHIMNEY_FAN_STATUS_REPORT_PROPERTIES1_SCALE_SHIFT
#define CHIMNEY_FAN_STATUS_REPORT_PROPERTIES1_PRECISION_MASK
#define CHIMNEY_FAN_STATUS_REPORT_PROPERTIES1_PRECISION_SHIFT
#define CHIMNEY_FAN_STATUS_REPORT_PROPERTIES1_PRECISION_SHIFT
#VALUES_USED_FOR_PROPERTIES1_PRECISION_SHIFT
#VALUES_USED_FOR_PROPERTIES1_PRECISION_SHIFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 0.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times E0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x05
     /* Values used for Chimney Fan Stop Temp Report command */
 /* Values used for Chimney Fan Stop Temp Report command */
#define CHIMNEY_FAN_STOP_TEMP_REPORT_PROPERTIES1_SIZE_MASK
#define CHIMNEY_FAN_STOP_TEMP_REPORT_PROPERTIES1_SCALE_MASK
#define CHIMNEY_FAN_STOP_TEMP_REPORT_PROPERTIES1_SCALE_SHIFT
#define CHIMNEY_FAN_STOP_TEMP_REPORT_PROPERTIES1_PRECISION_MASK
#define CHIMNEY_FAN_STOP_TEMP_REPORT_PROPERTIES1_PRECISION_SHIFT
/* Values used for Chimney Fan Stop Temp_Set command */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0xE0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x05
  #define CHIMNEY_FAN_STOP_TEMP_SET_PROPERTIES1_SIZE_MASK
#define CHIMNEY_FAN_STOP_TEMP_SET_PROPERTIES1_SCALE_MASK
#define CHIMNEY_FAN_STOP_TEMP_SET_PROPERTIES1_SCALE_SHIFT
#define CHIMNEY_FAN_STOP_TEMP_SET_PROPERTIES1_PRECISION_MASK
#define CHIMNEY_FAN_STOP_TEMP_SET_PROPERTIES1_PRECISION_SHIFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 0.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0xE0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x05
    /* Climate Control Schedule command class commands */
  #define CLIMATE CONTROL SCHEDULE_VERSION
#define SCHEDULE_CHANGED_GET
#define SCHEDULE_CHANGED_REPORT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x05
   #define SCHEDULE_GET
#define SCHEDULE_OVERRIDE_GET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x07
    #define SCHEDULE_OVERRIDE_REPORT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x08
   #define SCHEDULE_OVERRIDE_SET
#define SCHEDULE_REPORT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0×06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x03
    #define SCHEDULE SET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x01
```

```
/* Values used for Schedule Get command *
#define SCHEDULE GET PROPERTIES1 WEEKDAY MASK #define SCHEDULE GET PROPERTIES1 RESERVED MASK
                                                                                                                                                                                                                   0x07
                                                                                                                                                                                                                   0xF8
#define SCHEDULE_GET_PROPERTIES1_RESERVED_SHIFT
/* Values used for Schedule Override Report command */
                                                                                                                                                                                                                   0x03
/* Values used for Schedule Override Report command */
#define SCHEDULE_OVERRIDE_REPORT_PROPERTIES1_OVERRIDE_TYPE_MASK
#define SCHEDULE_OVERRIDE_REPORT_PROPERTIES1_RESERVED_MASK
#define SCHEDULE_OVERRIDE_REPORT_PROPERTIES1_RESERVED_SHIFT
#define SCHEDULE_OVERRIDE_REPORT_NO_OVERRIDE
#define SCHEDULE_OVERRIDE_REPORT_TEMPORARY_OVERRIDE
#define SCHEDULE_OVERRIDE_REPORT_PERMANENT_OVERRIDE
#define SCHEDULE_OVERRIDE_REPORT_RESERVED
#define SCHEDULE_OVERRIDE_REPORT_RESERVED
                                                                                                                                                                                                                   0x03
                                                                                                                                                                                                                   0xFC
                                                                                                                                                                                                                   0x02
                                                                                                                                                                                                                   0x00
                                                                                                                                                                                                                   0 \times 01
                                                                                                                                                                                                                   0x02
                                                                                                                                                                                                                   0x03
  * Values used for Schedule Override Set command */
#define SCHEDULE_OVERRIDE_SET_PROPERTIES1_OVERRIDE_TYPE_MASK
#define SCHEDULE_OVERRIDE_SET_PROPERTIES1_RESERVED_MASK
                                                                                                                                                                                                                   0x03
                                                                                                                                                                                                                   0xFC
#define SCHEDULE_OVERRIDE_SET_PROPERTIESI_RESERVED_MASK
#define SCHEDULE_OVERRIDE_SET_PROPERTIES1_RESERVED_SHIFT
#define SCHEDULE_OVERRIDE_SET_NO_OVERRIDE
#define SCHEDULE_OVERRIDE_SET_TEMPORARY_OVERRIDE
#define SCHEDULE_OVERRIDE_SET_PERMANENT_OVERRIDE
                                                                                                                                                                                                                   0 \times 0.2
                                                                                                                                                                                                                   0x00
                                                                                                                                                                                                                   0x01
                                                                                                                                                                                                                   0x02
                                                                                                                                                                                                                  0x03
#define SCHEDULE_OVERRIDE_SET_RESERVED
/* Values used for Schedule Report command */
#define SCHEDULE REPORT_PROPERTIES1_WEEKDAY_MASK
#define SCHEDULE_REPORT_PROPERTIES1_RESERVED_MASK
#define SCHEDULE_REPORT_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                   0x07
                                                                                                                                                                                                                   0xF8
                                                                                                                                                                                                                   0x03
 /* Values used for Schedule Set command */
#define SCHEDULE_SET_PROPERTIES1_WEEKDAY_MASK
#define SCHEDULE_SET_PROPERTIES1_RESERVED_MASK
#define SCHEDULE_SET_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                   0x07
                                                                                                                                                                                                                   0xF8
                                                                                                                                                                                                                   0 \times 0.3
 /* Clock command class commands */
#define CLOCK_VERSION
#define CLOCK_GET
                                                                                                                                                                                                                   0x01
                                                                                                                                                                                                                   0x05
#define CLOCK_REPORT
#define CLOCK_SET
                                                                                                                                                                                                                   0x06
                                                                                                                                                                                                                   0x04
  '* Values used for Clock Report command */
 #define CLOCK REPORT LEVEL HOUR MASK
                                                                                                                                                                                                                   0x1F
#define CLOCK_REPORT_LEVEL_WEEKDAY_MASK
                                                                                                                                                                                                                   0xE0
#define CLOCK_REPORT_LEVEL_WEEKDAY_SHIFT
                                                                                                                                                                                                                   0x05
/* Values used for Clock Set command */
#define CLOCK_SET_LEVEL_HOUR_MASK
#define CLOCK_SET_LEVEL_WEEKDAY_MASK
                                                                                                                                                                                                                   0x1F
                                                                                                                                                                                                                   0xE0
 #define CLOCK_SET_LEVEL_WEEKDAY_SHIFT
                                                                                                                                                                                                                   0x05
/* Configuration command class commands */
#define CONFIGURATION_VERSION
#define CONFIGURATION_GET
                                                                                                                                                                                                                   0 \times 01
                                                                                                                                                                                                                   0x05
 #define CONFIGURATION REPORT
                                                                                                                                                                                                                   0x06
 #define CONFIGURATION SET
                                                                                                                                                                                                                   0x04
/* Values used for Configuration Report command */
#define CONFIGURATION_REPORT_LEVEL_SIZE_MASK
#define CONFIGURATION_REPORT_LEVEL_RESERVED_MASK
                                                                                                                                                                                                                   0×07
                                                                                                                                                                                                                   0xF8
#define CONFIGURATION_REPORT_LEVEL_RESERVED_SHIFT
/* Values used for Configuration Set command */
                                                                                                                                                                                                                   0x03
#define CONFIGURATION_SET_LEVEL_SIZE_MASK
#define CONFIGURATION_SET_LEVEL_RESERVED_MASK
#define CONFIGURATION_SET_LEVEL_RESERVED_SHIFT
#define CONFIGURATION_SET_LEVEL_DEFAULT_BIT_MASK
                                                                                                                                                                                                                   0x07
                                                                                                                                                                                                                   0x78
                                                                                                                                                                                                                   0 \times 0.3
                                                                                                                                                                                                                   0 \times 80
      Configuration command class commands */
#define CONFIGURATION_VERSION_V2
#define CONFIGURATION_BULK_GET_V2
#define CONFIGURATION_BULK_REPORT_V2
#define CONFIGURATION_BULK_SET_V2
#define CONFIGURATION_GET_V2
                                                                                                                                                                                                                   0x02
                                                                                                                                                                                                                   0x08
                                                                                                                                                                                                                   0x09
                                                                                                                                                                                                                   0x07
                                                                                                                                                                                                                   0x05
 #define CONFIGURATION REPORT V2
                                                                                                                                                                                                                   0x06
#define CONFIGURATION_SET_V2
                                                                                                                                                                                                                   0 \times 04
#define CONFIGURATION_SET_VZ
/* Values used for Configuration Bulk Report command */
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_SIZE_MASK_V2
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_RESERVED_MASK_V2
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_RESERVED_SHIFT_V2
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_HANDSHAKE_BIT_MASK_V2
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_DEFAULT_BIT_MASK_V2
                                                                                                                                                                                                                   0 \times 0.7
                                                                                                                                                                                                                   0x38
                                                                                                                                                                                                                   0x03
                                                                                                                                                                                                                   0x80
#define CONFIGURATION_BULK_SET_PROPERTIES1_BERVED_HASK_V2
#define CONFIGURATION_BULK_SET_PROPERTIES1_SIZE_MASK_V2
#define CONFIGURATION_BULK_SET_PROPERTIES1_RESERVED_MASK_V2
#define CONFIGURATION_BULK_SET_PROPERTIES1_RESERVED_SHIFT_V2
#define CONFIGURATION_BULK_SET_PROPERTIES1_HANDSHAKE_BIT_MASK_V2
                                                                                                                                                                                                                   0x07
                                                                                                                                                                                                                   0x38
                                                                                                                                                                                                                   0x03
                                                                                                                                                                                                                   0x40
 #define CONFIGURATION_BULK_SET_PROPERTIES1_DEFAULT_BIT_MASK_V2
                                                                                                                                                                                                                   0x80
/* Values used for Configuration Report command */#define CONFIGURATION_REPORT_LEVEL_SIZE_MASK_V2#define CONFIGURATION_REPORT_LEVEL_RESERVED_MASK_V2
                                                                                                                                                                                                                   0x07
                                                                                                                                                                                                                   0xF8
```

```
#define CONFIGURATION REPORT LEVEL RESERVED SHIFT V2
                                                                                                                                                                                                     0x03
 /* Values used for Configuration Set command */
#define CONFIGURATION_SET_LEVEL_SIZE_MASK_V2
#define CONFIGURATION_SET_LEVEL_RESERVED_MASK_V2
#define CONFIGURATION_SET_LEVEL_RESERVED_SHIFT_V2
#define CONFIGURATION_SET_LEVEL_DEFAULT_BIT_MASK_V2
                                                                                                                                                                                                     0x07
                                                                                                                                                                                                     0x78
                                                                                                                                                                                                     0x03
                                                                                                                                                                                                     0x80
 /* Configuration command class commands */
#define CONFIGURATION_VERSION_V3
#define CONFIGURATION BULK GET V3
                                                                                                                                                                                                     0x03
                                                                                                                                                                                                     0×08
#define CONFIGURATION_BULK_REPORT_V3
#define CONFIGURATION_BULK_SET_V3
                                                                                                                                                                                                     0x09
                                                                                                                                                                                                     0x07
 #define CONFIGURATION GET V3
                                                                                                                                                                                                     0x05
 #define CONFIGURATION_REPORT_V3
                                                                                                                                                                                                     0x06
#define CONFIGURATION_SET_V3
#define CONFIGURATION_NAME_GET_V3
#define CONFIGURATION_NAME_REPORT_V3
                                                                                                                                                                                                     0x04
                                                                                                                                                                                                     0 \times 0 A
                                                                                                                                                                                                     0x0B
#define CONFIGURATION_INFO_GET_V3
#define CONFIGURATION_INFO_REPORT_V3
                                                                                                                                                                                                     0x0C
                                                                                                                                                                                                     0x0D
 #define CONFIGURATION_PROPERTIES_GET_V3
                                                                                                                                                                                                     0x0E
#define CONFIGURATION_PROPERTIES_REPORT_V3
                                                                                                                                                                                                     0x0F
#define CONFIGURATION_PROPERTIES_REPORT_V3

/* Values used for Configuration Bulk Report command */
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_SIZE_MASK_V3
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_RESERVED_MASK_V3
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_RESERVED_SHIFT_V3
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_HANDSHAKE_BIT_MASK_V3
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_DEFAULT_BIT_MASK_V3

/* Values used for Configuration Bulk Set command */
#define CONFIGURATION_BULK_SET_PROPERTIES1_SIZE_MASK_V3
#define CONFIGURATION_BULK_SET_PROPERTIES1_SIZE_MASK_V3
                                                                                                                                                                                                     0x07
                                                                                                                                                                                                     0x38
                                                                                                                                                                                                     0x03
                                                                                                                                                                                                     0x40
                                                                                                                                                                                                     0x80
                                                                                                                                                                                                     0x07
#define CONFIGURATION_BULK_SET_PROPERTIES1_RESERVED_MASK_V3
#define CONFIGURATION_BULK_SET_PROPERTIES1_RESERVED_SHIFT_V3
#define CONFIGURATION_BULK_SET_PROPERTIES1_HANDSHAKE_BIT_MASK_V3
                                                                                                                                                                                                     0x38
                                                                                                                                                                                                     0x03
                                                                                                                                                                                                     0x40
#define CONFIGURATION_BULK_SET_PROPERTIES1_DEFAULT_BIT_MASK_V3
/* Values used for Configuration Report command */
#define CONFIGURATION_REPORT_LEVEL_SIZE_MASK_V3
#define CONFIGURATION_REPORT_LEVEL_RESERVED_MASK_V3
                                                                                                                                                                                                     0x80
                                                                                                                                                                                                     0 \times 0.7
                                                                                                                                                                                                     0xF8
#define CONFIGURATION_REPORT_LEVEL_RESERVED_SHIFT_V3
                                                                                                                                                                                                     0x03
/* Values used for Configuration Set command */
#define CONFIGURATION_SET_LEVEL_SIZE_MASK_V3
#define CONFIGURATION_SET_LEVEL_RESERVED_MASK_V3
#define CONFIGURATION_SET_LEVEL_RESERVED_SHIFT_V3
                                                                                                                                                                                                     0 \times 0.7
                                                                                                                                                                                                     0x78
                                                                                                                                                                                                     0x03
 #define CONFIGURATION_SET_LEVEL_DEFAULT_BIT_MASK_V3
 /* Values used for Configuration Properties Report command */
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_SIZE_MASK_V3
                                                                                                                                                                                                     0x07
#define CONFIGURATION PROPERTIES REPORT PROPERTIES1 FORMAT MASK V3
#define CONFIGURATION PROPERTIES REPORT PROPERTIES1 FORMAT SHIFT V3
                                                                                                                                                                                                     0x38
                                                                                                                                                                                                     0x03
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_SIGNED_INTEGER_V3
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_UNSIGNED_INTEGER_V3
                                                                                                                                                                                                     0x00
                                                                                                                                                                                                     0x01
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_ENUMERATED_V3
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_BIT_FIELD_V3
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_RESERVED_MASK_V3
                                                                                                                                                                                                     0x02
                                                                                                                                                                                                     0 \times 03
                                                                                                                                                                                                     0xC0
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_RESERVED_SHIFT_V3
                                                                                                                                                                                                     0x06
 /* Configuration command class commands */
#define CONFIGURATION_VERSION_V4
#define CONFIGURATION_BULK_GET_V4
#define CONFIGURATION_BULK_REPORT_V4
#define CONFIGURATION_BULK_SET_V4
                                                                                                                                                                                                     0x04
                                                                                                                                                                                                     0 \times 0 8
                                                                                                                                                                                                     0 \times 0.9
                                                                                                                                                                                                     0x07
 #define CONFIGURATION_GET_V4
                                                                                                                                                                                                     0x05
 #define CONFIGURATION_REPORT_V4
                                                                                                                                                                                                     0x06
#define CONFIGURATION_SET_V4
#define CONFIGURATION_NAME_GET_V4
#define CONFIGURATION_NAME_REPORT_V4
#define CONFIGURATION_INFO_GET_V4
#define CONFIGURATION_INFO_REPORT_V4
                                                                                                                                                                                                     0 \times 0.4
                                                                                                                                                                                                     0x0A
                                                                                                                                                                                                     0x0B
                                                                                                                                                                                                     0x0C
                                                                                                                                                                                                     0x0D
 #define CONFIGURATION_PROPERTIES_GET_V4
                                                                                                                                                                                                     0x0E
#define CONFIGURATION_PROPERTIES_REPORT_V4
#define CONFIGURATION_DEFAULT_RESET_V4
                                                                                                                                                                                                     0x0F
                                                                                                                                                                                                     0 \times 0.1
  * Values used for Configuration Bulk Report command */
/* Values used for Configuration Bulk Report command */
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_SIZE_MASK_V4
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_RESERVED_MASK_V4
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_RESERVED_SHIFT_V4
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_HANDSHAKE_BIT_MASK_V4
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_DEFAULT_BIT_MASK_V4
/* Values used for Configuration Bulk Set command */
                                                                                                                                                                                                     0x07
                                                                                                                                                                                                     0x38
                                                                                                                                                                                                     0x03
                                                                                                                                                                                                     0x40
                                                                                                                                                                                                     0x80
#define CONFIGURATION_BULK_SET_PROPERTIES1_SIZE_MASK_V4
#define CONFIGURATION_BULK_SET_PROPERTIES1_RESERVED_MASK_V4
                                                                                                                                                                                                     0x07
                                                                                                                                                                                                     0x38
#define CONFIGURATION BULK SET PROPERTIES1 RESERVED SHIFT V4
#define CONFIGURATION BULK SET PROPERTIES1 HANDSHAKE BIT_MASK_V4
#define CONFIGURATION_BULK_SET_PROPERTIES1_DEFAULT_BIT_MASK_V4
                                                                                                                                                                                                     0x03
                                                                                                                                                                                                     0 \times 40
                                                                                                                                                                                                     0x80
     Values used for Configuration Report command
```

```
#define CONFIGURATION REPORT LEVEL SIZE MASK V4
                                                                                                                                                                                                                                       0x07
#define CONFIGURATION REPORT LEVEL RESERVED MASK V4 #define CONFIGURATION REPORT LEVEL RESERVED SHIFT V4
                                                                                                                                                                                                                                       0xF8
                                                                                                                                                                                                                                       0x03
/* Values used for Configuration Set command */
#define CONFIGURATION_SET_LEVEL_SIZE_MASK_V4
#define CONFIGURATION_SET_LEVEL_RESERVED_MASK_V4
#define CONFIGURATION_SET_LEVEL_RESERVED_SHIFT_V4
#define CONFIGURATION_SET_LEVEL_DEFAULT_BIT_MASK_V4
                                                                                                                                                                                                                                       0x07
                                                                                                                                                                                                                                       0x78
                                                                                                                                                                                                                                       0x03
#define CONFIGURATION_SET_LEVEL_DEFAULT_BIT_MASK_V4

/* Values used for Configuration Properties Report command */
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_SIZE_MASK_V4
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_FORMAT_MASK_V4
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_FORMAT_SHIFT_V4
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_SIGNED_INTEGER_V4
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_UNSIGNED_INTEGER_V4
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_BIT_FIELD_V4
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_BIT_FIELD_V4
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_BIT_FIELD_V4
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_READONLY_BIT_MASK_V4
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_RE_INCLUSION_REQUIRED_BIT_MASK_V4
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES2_ADVANCED_BIT_MASK_V4
#define CONFIGURATION_PROPERTIES REPORT_PROPERTIES2_RESERVED1_MASK_V4
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES2_RESERVED1_MASK_V4
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES2_RESERVED1_SHIFT_V4
                                                                                                                                                                                                                                       0 \times 0.7
                                                                                                                                                                                                                                       0x38
                                                                                                                                                                                                                                       0x03
                                                                                                                                                                                                                                       0x00
                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                                       0 \times 0.3
                                                                                                                                                                                                                                       0x40
                                                                                                                                                                                                                                       0x80
                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                                       0×FC
                                                                                                                                                                                                                                       0x02
 /* Controller Replication command class commands */
 #define CONTROLLER REPLICATION VERSION
                                                                                                                                                                                                                                       0x01
#define CTRL_REPLICATION_TRANSFER_GROUP
#define CTRL_REPLICATION_TRANSFER_GROUP_NAME
#define CTRL_REPLICATION_TRANSFER_SCENE
#define CTRL_REPLICATION_TRANSFER_SCENE_NAME
                                                                                                                                                                                                                                       0x31
                                                                                                                                                                                                                                       0x32
                                                                                                                                                                                                                                       0 \times 3.3
                                                                                                                                                                                                                                       0x34
 /* Crc 16 Encap command class commands */
 #define CRC_16_ENCAP_VERSION
                                                                                                                                                                                                                                       0 \times 0.1
 #define CRC_16_ENCAP
                                                                                                                                                                                                                                       0x01
       Dcp Config command class commands */
 #define DCP CONFIG VERSION
                                                                                                                                                                                                                                       0x01
 #define DCP_LIST_REMOVE
                                                                                                                                                                                                                                       0x04
#define DCP_LIST_SET
#define DCP_LIST_SUPPORTED_GET
#define DCP_LIST_SUPPORTED_REPORT
/* Values used for Dcp_List_Set_command */
                                                                                                                                                                                                                                       0x03
                                                                                                                                                                                                                                       0 \times 01
                                                                                                                                                                                                                                       0x02
 #define DCP_LIST_SET_PROPERTIES1_NUMBER_OF_DC_MASK #define DCP_LIST_SET_PROPERTIES1_RESERVED_MASK
                                                                                                                                                                                                                                       0x03
                                                                                                                                                                                                                                       0xFC
#define DCP_LIST_SET_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                       0x02
 /* Dcp Monitor command class commands */
/* DEP MONITOR COMMAND CLASS COT
#define DCP_MONITOR_VERSION
#define DCP_EVENT_STATUS_REPORT
#define DCP_LIST_GET
#define DCP_LIST_REPORT
                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                       0x03
                                                                                                                                                                                                                                       0x04
                                                                                                                                                                                                                                       0 \times 01
                                                                                                                                                                                                                                       0x02
 /* Values used for Dcp List Report command */
#define DCP_LIST_REPORT_PROPERTIES1_RESERVED_MASK
#define DCP_LIST_REPORT_PROPERTIES1_RESERVED_MASK
#define DCP_LIST_REPORT_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                       0x03
                                                                                                                                                                                                                                       0xFC
                                                                                                                                                                                                                                       0x02
/* Door Lock Logging command class commands */
#define DOOR_LOCK_LOGGING_VERSION
#define DOOR_LOCK_LOGGING_RECORDS_SUPPORTED_GET
#define DOOR_LOCK_LOGGING_RECORDS_SUPPORTED_REPORT
                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                       0x02
 #define RECORD_GET
                                                                                                                                                                                                                                       0 \times 0.3
 #define RECORD_REPORT
                                                                                                                                                                                                                                       0x04
 /* Values used for Record Report command */
#define RECORD_REPORT_PROPERTIES1_HOUR_LOCAL_TIME_MASK
#define RECORD_REPORT_PROPERTIES1_RECORD_STATUS_MASK
                                                                                                                                                                                                                                       0x1F
                                                                                                                                                                                                                                       0xE0
 #define RECORD_REPORT_PROPERTIES1_RECORD_STATUS_SHIFT
                                                                                                                                                                                                                                       0x05
 /* Door Lock command class commands */
/* Door Lock command class commands */
#define DOOR_LOCK_VERSION
#define DOOR_LOCK_CONFIGURATION_GET
#define DOOR_LOCK_CONFIGURATION_REPORT
#define DOOR_LOCK_CONFIGURATION_SET
#define DOOR_LOCK_OPERATION_GET
#define DOOR_LOCK_OPERATION_REPORT
#define DOOR_LOCK_OPERATION_SET
                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                       0x05
                                                                                                                                                                                                                                       0x06
                                                                                                                                                                                                                                       0x04
                                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                                       0x03
                                                                                                                                                                                                                                       0x01
 /* Values used for Door Lock Configuration Report command */
 #define DOOR_LOCK_CONFIGURATION_REPORT_CONSTANT_OPERATION
                                                                                                                                                                                                                                       0x01
#define DOOR_LOCK_CONFIGURATION_REPORT_TIMED_OPERATION
#define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIES1_INSIDE_DOOR_HANDLES_STATE_MASK
#define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_MASK
#define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_SHIFT
                                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                                       0×0F
                                                                                                                                                                                                                                       0xF0
```

```
* Values used for Door Lock Configuration Set command */
/* Values used for Door Lock Configuration Set command */
#define DOOR_LOCK_CONFIGURATION_SET_CONSTANT_OPERATION
#define DOOR_LOCK_CONFIGURATION_SET_TIMED_OPERATION
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIES1_INSIDE_DOOR_HANDLES_STATE_MASK
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_MASK
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_SHIFT
/* Values used for Door Lock Operation Report command */
                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                0x0F
                                                                                                                                                                                                                0xF0
                                                                                                                                                                                                                0x04
0x00
                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                0 \times 10
                                                                                                                                                                                                                0x11
                                                                                                                                                                                                                0x20
                                                                                                                                                                                                                0xFF
                                                                                                                                                                                                                0x0F
                                                                                                                                                                                                                0xF0
                                                                                                                                                                                                                0x04
  /* Values used for Door Lock Operation Set command */
 #define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED
                                                                                                                                                                                                                0x00
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_WITH_TIMEOUT
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_WITH_TIMEOUT
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT
                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                0x10
                                                                                                                                                                                                                0x11
                                                                                                                                                                                                                0x20
                                                                                                                                                                                                                0x21
 #define DOOR LOCK OPERATION SET DOOR SECURED
                                                                                                                                                                                                                0xFF
/* Door Lock command class commands */
#define DOOR_LOCK_VERSION_V2
#define DOOR_LOCK_CONFIGURATION_GET_V2
                                                                                                                                                                                                                0 \times 0.2
                                                                                                                                                                                                                0x05
#define DOOR_LOCK_CONFIGURATION_REPORT_V2
#define DOOR_LOCK_CONFIGURATION_SET_V2
#define DOOR_LOCK_OPERATION_GET_V2
                                                                                                                                                                                                                0x06
                                                                                                                                                                                                                0x04
                                                                                                                                                                                                                0x02
#define DOOR_LOCK_OPERATION_REPORT_V2
#define DOOR_LOCK_OPERATION_SET_V2
/* Values used for Door Lock Configuration Report command
                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                0x01
 #define DOOR LOCK CONFIGURATION REPORT CONSTANT OPERATION V2
                                                                                                                                                                                                                0x01
 #define DOOR_LOCK_CONFIGURATION_REPORT_TIMED_OPERATION_V2
                                                                                                                                                                                                                0x02
#define DOOR LOCK_CONFIGURATION_REPORT_PROPERTIES1_INSIDE_DOOR_HANDLES_STATE_MASK_V2
#define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_MASK_V2
#define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_SHIFT_V2
/* Values used for Door_Lock_Configuration_Set_command_*/
                                                                                                                                                                                                                0x0F
                                                                                                                                                                                                                0xF0
                                                                                                                                                                                                                0x04
#define DOOR_LOCK_CONFIGURATION_SET_CONSTANT_OPERATION_V2
#define DOOR_LOCK_CONFIGURATION_SET_TIMED_OPERATION_V2
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIES1_INSIDE_DOOR_HANDLES_STATE_MASK_V2
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_MASK_V2
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_SHIFT_V2
                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                0x0F
                                                                                                                                                                                                                0xF0
                                                                                                                                                                                                                0x04
  /* Values used for Door Lock Operation Report command
/* Values used for Door Lock Operation Set command */
/* Values used for Door Lock Operation Set command */
#define DooR_LOCK_OPERATION_SET_DOOR_UNSECURED_V2
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_WITH_TIMEOUT_V2
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_V2
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_WITH_TIMEOUT_V2
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_V2
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V2
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V2
                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                0 \times 01
                                                                                                                                                                                                                0x10
                                                                                                                                                                                                                0x11
                                                                                                                                                                                                                0x20
                                                                                                                                                                                                                0x21
#define DOOR_LOCK_OPERATION_SET_DOOR_LOCK_STATE_UNKNOWN_V2 #define DOOR_LOCK_OPERATION_SET_DOOR_SECURED_V2
                                                                                                                                                                                                                0xFE
                                                                                                                                                                                                                0xFF
     Door Lock command class commands *,
#define DOOR_LOCK_CONFIGURATION_GET_V3
#define DOOR_LOCK_CONFIGURATION_GET_V3
#define DOOR_LOCK_CONFIGURATION_REPORT_V3
#define DOOR_LOCK_CONFIGURATION_SET_V3
#define DOOR_LOCK_OPERATION_GET_V3
#define DOOR_LOCK_OPERATION_REPORT_V3
#define DOOR_LOCK_OPERATION_REPORT_V3
                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                0x05
                                                                                                                                                                                                                0x06
                                                                                                                                                                                                                0x04
                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                0x03
 #define DOOR LOCK OPERATION SET V3
                                                                                                                                                                                                                0x01
  /* Values used for Door Lock Configuration Report command */
#define DOOR_LOCK_CONFIGURATION_REPORT_CONSTANT_OPERATION_V3
#define DOOR_LOCK_CONFIGURATION_REPORT_TIMED_OPERATION_V3
#define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIES1_INSIDE_DOOR_HANDLES_STATE_MASK_V3
#define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_MASK_V3
                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                0 \times 02
                                                                                                                                                                                                                0x0F
```

```
#define DOOR LOCK CONFIGURATION REPORT PROPERTIES1 OUTSIDE DOOR HANDLES STATE SHIFT V3
 #define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIESI_OUTSIDE_DOOR_HANDLES_STATE_SHIFT_
/* Values used for Door Lock Configuration Set command */
#define DOOR_LOCK_CONFIGURATION_SET_CONSTANT_OPERATION_V3
#define DOOR_LOCK_CONFIGURATION_SET_TIMED_OPERATION_V3
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIESI_INSIDE_DOOR_HANDLES_STATE_MASK_V3
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIESI_OUTSIDE_DOOR_HANDLES_STATE_MASK_V3
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIESI_OUTSIDE_DOOR_HANDLES_STATE_SHIFT_V3
                                                                                                                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                                                                                                                  0x02
                                                                                                                                                                                                                                                                                                                                                                                  0x0F
                                                                                                                                                                                                                                                                                                                                                                                  0xF0
                                                                                                                                                                                                                                                                                                                                                                                  0x04
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_LOCK_STATE_UNKNOWN_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_SECURED_V3
#define DOOR_LOCK_OPERATION_REPORT_PROPERTIES1_INSIDE_DOOR_HANDLES_MODE_MASK_V3
#define DOOR_LOCK_OPERATION_REPORT_PROPERTIES1_INSIDE_DOOR_HANDLES_MODE_MASK_V3
#define DOOR_LOCK_OPERATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_MODE_MASK_V3
#define DOOR_LOCK_OPERATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_MODE_SHIFT_V3
#define DOOR_LOCK_OPERATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_MODE_SHIFT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSEC
   /* Values used for Door Lock Operation Report command */
  #define DOOR_LOCK_OPERATION_REPORT_RESERVED_V3
/* Values used for Door Lock Operation Set command */
                                                                                                                                                                                                                                                                                                                                                                                  0xFF
  #define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_V3
                                                                                                                                                                                                                                                                                                                                                                                  0x00
  #define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_V3
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_V3
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_V3
                                                                                                                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                                                                                                                  0x10
                                                                                                                                                                                                                                                                                                                                                                                  0x11
                                                                                                                                                                                                                                                                                                                                                                                  0x20
  #define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3
                                                                                                                                                                                                                                                                                                                                                                                  0x21
  #define DOOR_LOCK_OPERATION_SET_DOOR_LOCK_STATE_UNKNOWN_V3 #define DOOR_LOCK_OPERATION_SET_DOOR_SECURED_V3
                                                                                                                                                                                                                                                                                                                                                                                  0xFE
                                                                                                                                                                                                                                                                                                                                                                                  OxFF
      * Energy Production command class commands */
  #define ENERGY_PRODUCTION_VERSION
                                                                                                                                                                                                                                                                                                                                                                                  0x01
  #define ENERGY_PRODUCTION_GET
#define ENERGY_PRODUCTION_REPORT
                                                                                                                                                                                                                                                                                                                                                                                  0x02
#define ENERGY_PRODUCTION_REPORT

/* Values used for Energy Production Get command */
#define ENERGY_PRODUCTION_GET_INSTANT_ENERGY_PRODUCTION
#define ENERGY_PRODUCTION_GET_TOTAL_ENERGY_PRODUCTION
#define ENERGY_PRODUCTION_GET_ENERGY_PRODUCTION_TODAY
#define ENERGY_PRODUCTION_GET_TOTAL_PRODUCTION_TIME

/* Values used for Energy Production Report command */
#define ENERGY_PRODUCTION_REPORT_INSTANT_ENERGY_PRODUCTION
#define ENERGY_PRODUCTION_REPORT_TOTAL_ENERGY_PRODUCTION
#define ENERGY_PRODUCTION_REPORT_TOTAL_PRODUCTION_TODAY
#define ENERGY_PRODUCTION_REPORT_TOTAL_PRODUCTION_TIME
#define ENERGY_PRODUCTION_REPORT_LEVEL_SIZE_MASK
#define ENERGY_PRODUCTION_REPORT_LEVEL_SCALE_MASK
#define ENERGY_PRODUCTION_REPORT_LEVEL_SCALE_MASK
#define ENERGY_PRODUCTION_REPORT_LEVEL_SCALE_SISION_MASK
#define ENERGY_PRODUCTION_REPORT_LEVEL_PRECISION_MASK
#define ENERGY_PRODUCTION_REPORT_LEVEL_PRECISION_MASK
#define ENERGY_PRODUCTION_REPORT_LEVEL_PRECISION_MASK
                                                                                                                                                                                                                                                                                                                                                                                  0x03
                                                                                                                                                                                                                                                                                                                                                                                  0x00
                                                                                                                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                                                                                                                  0x02
                                                                                                                                                                                                                                                                                                                                                                                  0x03
                                                                                                                                                                                                                                                                                                                                                                                  0x00
                                                                                                                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                                                                                                                  0x02
                                                                                                                                                                                                                                                                                                                                                                                  0x03
                                                                                                                                                                                                                                                                                                                                                                                  0x07
                                                                                                                                                                                                                                                                                                                                                                                  0 \times 18
                                                                                                                                                                                                                                                                                                                                                                                  0 \times 0.3
                                                                                                                                                                                                                                                                                                                                                                                  0xE0
   #define ENERGY_PRODUCTION_REPORT_LEVEL_PRECISION_SHIFT
                                                                                                                                                                                                                                                                                                                                                                                  0x05
  /* Firmware Update Md command class commands */
#define FIRMWARE_UPDATE_MD_VERSION
#define FIRMWARE_MD_GET
#define FIRMWARE_MD_REPORT
#define FIRMWARE_UPDATE_MD_GET
                                                                                                                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                                                                                                                  0x02
                                                                                                                                                                                                                                                                                                                                                                                  0x05
  #define FIRMWARE_UPDATE_MD_REPORT
#define FIRMWARE_UPDATE_MD_REQUEST_GET
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT
#define FIRMWARE_UPDATE_MD_STATUS_REPORT
                                                                                                                                                                                                                                                                                                                                                                                  0x06
                                                                                                                                                                                                                                                                                                                                                                                  0x03
                                                                                                                                                                                                                                                                                                                                                                                  0 \times 0.4
                                                                                                                                                                                                                                                                                                                                                                                  0x07
   /* Values used for Firmware Update Md Get command */
  #define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_REPORT_NUMBER_1_MASK
#define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_ZERO_BIT_MASK
                                                                                                                                                                                                                                                                                                                                                                                  0x7F
                                                                                                                                                                                                                                                                                                                                                                                  0x80
  /* Values used for Firmware Update Md Report command */
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_REPORT_NUMBER_1_MASK
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_LAST_BIT_MASK
/* Values used for Firmware Update Md Request Report command */
                                                                                                                                                                                                                                                                                                                                                                                  0x7F
                                                                                                                                                                                                                                                                                                                                                                                  0x80
  #define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_COMBINATION
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_REQUIRES_AUTHENTICATION
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_VALID_COMBINATION
/* Values used for Firmware Update_Md Status Report command */
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_WITHOUT_CHECKSUM_ERROR
                                                                                                                                                                                                                                                                                                                                                                                  0x00
                                                                                                                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                                                                                                                  OxFF
                                                                                                                                                                                                                                                                                                                                                                                  0x00
```

```
#define FIRMWARE UPDATE MD STATUS REPORT UNABLE TO RECEIVE
                                                                                                                                                                                                                                                                                                                                          0x01
 #define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY
                                                                                                                                                                                                                                                                                                                                          0xFF
/* Firmware Update Md command class commands */
#define FIRMWARE_UPDATE_MD_VERSION_V2
#define FIRMWARE_MD_GET_V2
#define FIRMWARE_MD_REPORT_V2
#define FIRMWARE_UPDATE_MD_GET_V2
                                                                                                                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                                                                                                                          0x05
 #define FIRMWARE_UPDATE_MD_REPORT_V2
#define FIRMWARE_UPDATE_MD_REPORT_V2
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_V2
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_V2
/* Values used for Firmware_Update_Md_Get_command */
                                                                                                                                                                                                                                                                                                                                          0x06
                                                                                                                                                                                                                                                                                                                                          0 \times 03
                                                                                                                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                                                                                                                          0x07
 #define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_REPORT_NUMBER_1_MASK_V2 #define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_ZERO_BIT_MASK_V2
                                                                                                                                                                                                                                                                                                                                          0x7F
#define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_ZERO_BIT_MASK_V2

/* Values used for Firmware Update Md Report command */
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_REPORT_NUMBER_1_MASK_V2
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_LAST_BIT_MASK_V2

/* Values used for Firmware Update Md Request Report command */
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_COMBINATION_V2
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_REQUIRES_AUTHENTICATION_V2
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_VALID_COMBINATION_V2

/* Values used for Firmware_Update_Md Status_Report_command */
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_WITHOUT_CHECKSUM_ERROR_V2
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_V2
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_V2
                                                                                                                                                                                                                                                                                                                                          0x80
                                                                                                                                                                                                                                                                                                                                          0x7F
                                                                                                                                                                                                                                                                                                                                          0x80
                                                                                                                                                                                                                                                                                                                                          0x00
                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                          0xFF
                                                                                                                                                                                                                                                                                                                                          0x00
                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                          0xFF
         Firmware Update Md command class commands */
 #define FIRMWARE_UPDATE_MD_VERSION_V3
                                                                                                                                                                                                                                                                                                                                          0x03
  #define FIRMWARE_MD_GET_V3
                                                                                                                                                                                                                                                                                                                                          0x01
#define FIRMWARE_MD_GET_V3
#define FIRMWARE_MD_REPORT_V3
#define FIRMWARE_UPDATE_MD_GET_V3
#define FIRMWARE_UPDATE_MD_REPORT_V3
#define FIRMWARE_UPDATE_MD_REQUEST_GET_V3
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_V3
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_V3
                                                                                                                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                                                          0x06
                                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                                                                                                                          0x07
  /* Values used for Firmware Update Md Get command */
 #define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_REPORT_NUMBER_1_MASK_V3 #define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_ZERO_BIT_MASK_V3
                                                                                                                                                                                                                                                                                                                                          0x7F
#define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_ZERO_BIT_MASK_V3
/* Values used for Firmware Update Md Report command */
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_REPORT_NUMBER_1_MASK_V3
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_LAST_BIT_MASK_V3
/* Values used for Firmware Update Md Request Report command */
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_COMBINATION_V3
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_REQUIRES_AUTHENTICATION_V3
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_FRAGMENT_SIZE_V3
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_NOT_UPGRADABLE_V3
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_VALID_COMBINATION_V3
/* Values used for Firmware_Update_Md Status_Report_command */
                                                                                                                                                                                                                                                                                                                                          0×80
                                                                                                                                                                                                                                                                                                                                          0x00
                                                                                                                                                                                                                                                                                                                                          0 \times 01
                                                                                                                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                                          0xFF
 /* Values used for Firmware Update Md Status Report command */
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_WITHOUT_CHECKSUM_ERROR_V3
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_V3
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_STORED_V3
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_V3
                                                                                                                                                                                                                                                                                                                                          0×00
                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                          0xFE
                                                                                                                                                                                                                                                                                                                                          0xFF
 /* Firmware Update Md command class commands */
#define FIRMWARE_UPDATE_MD_VERSION_V4
#define FIRMWARE_MD_GET_V4
#define FIRMWARE_MD_REPORT_V4
                                                                                                                                                                                                                                                                                                                                          0 \times 0.4
                                                                                                                                                                                                                                                                                                                                          0 \times 0.1
                                                                                                                                                                                                                                                                                                                                          0x02
#define FIRMWARE_MD_REPORT_V4
#define FIRMWARE_UPDATE_MD_GET_V4
#define FIRMWARE_UPDATE_MD_REPORT_V4
#define FIRMWARE_UPDATE_MD_REQUEST_GET_V4
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_V4
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_V4
#define FIRMWARE_UPDATE_ACTIVATION_SET_V4
#define FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_V4
                                                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                                                          0x06
                                                                                                                                                                                                                                                                                                                                          0 \times 0.3
                                                                                                                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                                                                                                                          0x07
                                                                                                                                                                                                                                                                                                                                          0x08
                                                                                                                                                                                                                                                                                                                                          0x09
 /* Values used for Firmware Update Md Get command */
#define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_ZERO_BIT_MASK_V4
#define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_ZERO_BIT_MASK_V4
/* Values used for Firmware Update Md Report command */
                                                                                                                                                                                                                                                                                                                                          0x7F
                                                                                                                                                                                                                                                                                                                                          0 \times 80
/* Values used for Firmware Update Md Report command */
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_REPORT_NUMBER_1_MASK_V4
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_LAST_BIT_MASK_V4
/* Values used for Firmware Update Md Request Get command */
#define FIRMWARE_UPDATE_MD_REQUEST_GET_PROPERTIES1_ACTIVATION_BIT_MASK_V4
#define FIRMWARE_UPDATE_MD_REQUEST_GET_PROPERTIES1_RESERVED_MASK_V4
#define FIRMWARE_UPDATE_MD_REQUEST_GET_PROPERTIES1_RESERVED_SHIFT_V4
                                                                                                                                                                                                                                                                                                                                          0x7F
                                                                                                                                                                                                                                                                                                                                          0x80
                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                          0xFE
                                                                                                                                                                                                                                                                                                                                          0x01
#define FIRMWARE_UPDATE_MD_REQUEST_GET_PROPERTIES1_RESERVED_SHIFT_V4
/* Values used for Firmware Update Md Request Report command */
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_COMBINATION_V4
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_REQUIRES_AUTHENTICATION_V4
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_FRAGMENT_SIZE_V4
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_NOT_UPGRADABLE_V4
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_VALID_COMBINATION_V4
                                                                                                                                                                                                                                                                                                                                          0x00
                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                          0 \times 02
                                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                                          0xFF
```

```
/* Values used for Firmware Update Md Status Report command */
#define FIRMWARE UPDATE MD STATUS REPORT UNABLE TO RECEIVE WITHOUT CHECKSUM_ERROR_V4
#define FIRMWARE_UPDATE MD_STATUS_REPORT_UNABLE_TO_RECEIVE_V4
#define FIRMWARE_UPDATE MD_STATUS_REPORT_DOES_NOT_MATCH_THE_MANUFACTURER_ID_V4
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_DOES_NOT_MATCH_THE_FIRMWARE_ID_V4
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_DOES_NOT_MATCH_THE_FIRMWARE_TARGET_V4
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_INVALID_FILE_HEADER_INFORMATION_V4
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_INVALID_FILE_HEADER_FORMAT_V4
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_INSUFFICIENT_MEMORY_V4
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_WAITING_FOR_ACTIVATION_V4
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_STORED_V4
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_V4
/* Values used for Firmware_Update_Activation_Status_Report_command */
    * Values used for Firmware Update Md Status Report command */
                                                                                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                0x04
                                                                                                                                                                                                                                                                                0x05
                                                                                                                                                                                                                                                                                0x06
                                                                                                                                                                                                                                                                                0x07
                                                                                                                                                                                                                                                                                OxFD
                                                                                                                                                                                                                                                                                0xFE
                                                                                                                                                                                                                                                                                0xFF
    * Values used for Firmware Update Activation Status Report command */
 #define FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_INVALID_COMBINATION_V4
#define FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_ERROR_ACTIVATING_THE_FIRMWARE_V4
                                                                                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                                                                                0x01
 #define FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_FIRMWARE_UPDATE_COMPLETED_SUCCESSFULLY_V4 0xFF
        Firmware Update Md command class commands */
 #define FIRMWARE_UPDATE_MD_VERSION_V5
                                                                                                                                                                                                                                                                                0x05
  #define FIRMWARE_MD_GET_V5
                                                                                                                                                                                                                                                                                0x01
 #define FIRMWARE_MD_REPORT_V5
#define FIRMWARE_UPDATE_MD_GET_V5
                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                0 \times 05
 #define FIRMWARE_UPDATE_MD_REPORT_V5
#define FIRMWARE_UPDATE_MD_REQUEST_GET_V5
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_V5
                                                                                                                                                                                                                                                                                0x06
                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                0x04
  #define FIRMWARE_UPDATE_MD_STATUS_REPORT_V5
                                                                                                                                                                                                                                                                                0x07
 #define FIRMWARE_UPDATE_ACTIVATION_SET_V5
#define FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_V5
#define FIRMWARE_UPDATE_MD_PREPARE_GET_V5
                                                                                                                                                                                                                                                                                0×08
                                                                                                                                                                                                                                                                                0 \times 09
                                                                                                                                                                                                                                                                                0x0A
 #define FIRMWARE_UPDATE_MD_PREPARE_REPORT_V5
/* Values used for Firmware_Update_Md_Get_command */
                                                                                                                                                                                                                                                                                0x0B
  #define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_REPORT_NUMBER_1_MASK_V5
                                                                                                                                                                                                                                                                                0×7F
 #define FIRMWARE_UPDATE_MD_GET_FROPERTIES1_ZERO_BIT_MASK_V5
/* Values used for Firmware Update Md Report command */
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_REPORT_NUMBER_1_MASK_V5
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_LAST_BIT_MASK_V5
                                                                                                                                                                                                                                                                                0x80
                                                                                                                                                                                                                                                                                0x7F
                                                                                                                                                                                                                                                                                0x80
  /* Values used for Firmware Update Md Request Get command */
 #define FIRMWARE_UPDATE_MD_REQUEST_GET_PROPERTIES1_ACTIVATION_BIT_MASK_V5
#define FIRMWARE_UPDATE_MD_REQUEST_GET_PROPERTIES1_RESERVED_MASK_V5
#define FIRMWARE_UPDATE_MD_REQUEST_GET_PROPERTIES1_RESERVED_SHIFT_V5
/* Values used for Firmware_Update_Md_Request_Report_command_*/
                                                                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                                                                OxFE
                                                                                                                                                                                                                                                                                0x01
 #define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_COMBINATION_V5
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_REQUIRES_AUTHENTICATION_V5
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_FRAGMENT_SIZE_V5
                                                                                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                                                                0x02
 #define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_FRAGMENT_SIZE_VS
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_NOT_UPGRADABLE_V5
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_HARDWARE_VERSION_V5
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_VALID_COMBINATION_V5
/* Values used for Firmware_Update_Md_Status_Report_command_*/
                                                                                                                                                                                                                                                                                0 \times 0.3
                                                                                                                                                                                                                                                                                0x04
                                                                                                                                                                                                                                                                                0xFF
/* Values used for Firmware Update Md Status Report command */
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_WITHOUT_CHECKSUM_ERROR_V5
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_V5
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_DOES_NOT_MATCH_THE_MANUFACTURER_ID_V5
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_DOES_NOT_MATCH_THE_FIRMWARE_ID_V5
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_DOES_NOT_MATCH_THE_FIRMWARE_TARGET_V5
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_INVALID_FILE_HEADER_INFORMATION_V5
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_INVALID_FILE_HEADER_FORMAT_V5
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_INVALID_FILE_HEADER_FORMAT_V5
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_INVALID_FILE_HEADER_FORMAT_V5
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_WAITING_FOR_ACTIVATION_V5
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_WAITING_FOR_ACTIVATION_V5
#define_FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_STORED_V5
                                                                                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                0x04
                                                                                                                                                                                                                                                                                0x05
                                                                                                                                                                                                                                                                                0x06
                                                                                                                                                                                                                                                                                0 \times 0.7
                                                                                                                                                                                                                                                                                0×08
                                                                                                                                                                                                                                                                                0xFD
 #define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_STORED_V5
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_V5
                                                                                                                                                                                                                                                                                0xFE
                                                                                                                                                                                                                                                                                0xFF
 /* Values used for Firmware Update Activation Status Report command */
#define FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_INVALID_COMBINATION_V5 0x00
#define FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_ERROR_ACTIVATING_THE_FIRMWARE_V5 0x01
#define FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_FIRMWARE_UPDATE_COMPLETED_SUCCESSFULLY_V5 0xFF
/* Values used for Firmware Update Md Prepare Report command */
 #define FIRMWARE_UPDATE_MD_PREPARE_REPORT_INVALID_COMBINATION_V5
#define FIRMWARE_UPDATE_MD_PREPARE_REPORT_INVALID_FRAGMENT_SIZE_V5
#define FIRMWARE_UPDATE_MD_PREPARE_REPORT_INVALID_FRAGMENT_SIZE_V5
#define FIRMWARE_UPDATE_MD_PREPARE_REPORT_NOT_UPGRADABLE_V5
#define FIRMWARE_UPDATE_MD_PREPARE_REPORT_INVALID_HARDWARE_VERSION_V5
                                                                                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                                                                0 \times 0.2
                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                0x04
  #define FIRMWARE_UPDATE_MD_PREPARE_REPORT_VALID_COMBINATION_V5
                                                                                                                                                                                                                                                                                0xFF
 /* Geographic Location command class commands */
#define GEOGRAPHIC_LOCATION_VERSION
#define GEOGRAPHIC_LOCATION_GET
#define GEOGRAPHIC_LOCATION_REPORT
#define GEOGRAPHIC_LOCATION_SET
                                                                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                0x01
 /* Values used for Geographic Location Report command */
#define GEOGRAPHIC LOCATION_REPORT_LEVEL_LONGITUDE_MINUTES_MASK
#define GEOGRAPHIC_LOCATION_REPORT_LEVEL_LONG_SIGN_BIT_MASK
#define GEOGRAPHIC_LOCATION_REPORT_LEVEL2_LATITUDE_MINUTES_MASK
                                                                                                                                                                                                                                                                                0 \times 7 F
                                                                                                                                                                                                                                                                                0x80
                                                                                                                                                                                                                                                                                0x7F
```

```
#define GEOGRAPHIC LOCATION REPORT LEVEL2 LAT SIGN BIT MASK
                                                                                                                                                                                                                                0x80
/* Values used for Geographic Location Set command */
#define GEOGRAPHIC_LOCATION_SET_LEVEL_LONGITUDE_MINUTES_MASK
                                                                                                                                                                                                                                0x7F
#define GEOGRAPHIC_LOCATION_SET_LEVEL_LONG_SIGN_BIT_MASK
#define GEOGRAPHIC_LOCATION_SET_LEVEL2_LATITUDE_MINUTES_MASK
#define GEOGRAPHIC_LOCATION_SET_LEVEL2_LAT_SIGN_BIT_MASK
                                                                                                                                                                                                                                0x80
                                                                                                                                                                                                                                0x7F
                                                                                                                                                                                                                                0x80
 /* Grouping Name command class commands */
#define GROUPING_NAME_VERSION
#define GROUPING NAME GET
                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                0 \times 02
#define GROUPING_NAME_REPORT
#define GROUPING_NAME_SET
                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                0x01
  '* Values used for Grouping Name Report command */
/* Values used for Grouping Name Report Command */
#define GROUPING_NAME_REPORT_PROPERTIES1_CHAR_PRESENTATION_MASK
#define GROUPING_NAME_REPORT_PROPERTIES1_RESERVED_MASK
#define GROUPING_NAME_REPORT_PROPERTIES1_RESERVED_SHIFT
/* Values used for Grouping Name Set command */
                                                                                                                                                                                                                                0x07
                                                                                                                                                                                                                                0xF8
                                                                                                                                                                                                                                0x03
#define GROUPING_NAME_SET_PROPERTIES1_CHAR_PRESENTATION_MASK
#define GROUPING_NAME_SET_PROPERTIES1_RESERVED_MASK
                                                                                                                                                                                                                                0x07
                                                                                                                                                                                                                                0xF8
#define GROUPING NAME SET PROPERTIES1 RESERVED SHIFT
                                                                                                                                                                                                                                0x03
 /* Hail command class commands */
#define HAIL_VERSION
                                                                                                                                                                                                                                0x01
#define HAIL
                                                                                                                                                                                                                                0x01
 /* Hrv Control command class commands */
#define HRV_CONTROL_VERSION
#define HRV_CONTROL_BYPASS_GET
#define HRV_CONTROL_BYPASS_REPORT
                                                                                                                                                                                                                                0 \times 01
                                                                                                                                                                                                                                0 \times 0.5
                                                                                                                                                                                                                                0x06
#define HRV_CONTROL_BYPASS_REPORT
#define HRV_CONTROL_BYPASS_SET
#define HRV_CONTROL_MODE_GET
#define HRV_CONTROL_MODE_SET
#define HRV_CONTROL_MODE_SUPPORTED_GET
#define HRV_CONTROL_MODE_SUPPORTED_REPORT
#define HRV_CONTROL_WODE_SUPPORTED_REPORT
#define HRV_CONTROL_VENTILATION_RATE_GET
                                                                                                                                                                                                                                0x04
                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                0x0A
                                                                                                                                                                                                                                0x0B
                                                                                                                                                                                                                                0x08
#define HRV_CONTROL_VENTILATION_RATE_REPORT #define HRV_CONTROL_VENTILATION_RATE_SET
                                                                                                                                                                                                                                0x09
                                                                                                                                                                                                                                0x07
/* Values used for Hrv Control Mode Report command */
#define HRV_CONTROL_MODE_REPORT_PROPERTIES1_MODE_MASK
#define HRV_CONTROL_MODE_REPORT_MODE_OFF
                                                                                                                                                                                                                                0x1F
                                                                                                                                                                                                                                0x00
#define HRV_CONTROL_MODE_REPORT_MODE_OFF
#define HRV_CONTROL_MODE_REPORT_MODE_DEMAND_AUTOMATIC
#define HRV_CONTROL_MODE_REPORT_MODE_SCHEDULE
#define HRV_CONTROL_MODE_REPORT_MODE_ENERGY_SAVINGS_MODE
#define HRV_CONTROL_MODE_REPORT_MODE_MANUAL
#define HRV_CONTROL_MODE_REPORT_PROPERTIES1_RESERVED_MASK
#define HRV_CONTROL_MODE_REPORT_PROPERTIES1_RESERVED_SHIFT
/* Values used for Hrv_Control_Mode_SET_PROPERTIES1_MODE_MASK
                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                0 \times 0.3
                                                                                                                                                                                                                                0 \times 0.4
                                                                                                                                                                                                                                0xE0
                                                                                                                                                                                                                                0x05
#define HRV_CONTROL_MODE_SET_MODE_OFF
#define HRV_CONTROL_MODE_SET_MODE_DEMAND_AUTOMATIC
#define HRV_CONTROL_MODE_SET_MODE_SCHEDULE
#define HRV_CONTROL_MODE_SET_MODE_SCHEDULE
#define HRV_CONTROL_MODE_SET_MODE_ENERGY_SAVINGS_MODE
                                                                                                                                                                                                                                0x1F
                                                                                                                                                                                                                                0×00
                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                0x03
#define HRV_CONTROL_MODE_SET_MODE_MANUAL
#define HRV_CONTROL_MODE_SET_PROPERTIES1_RESERVED_MASK
#define HRV_CONTROL_MODE_SET_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                0x04
                                                                                                                                                                                                                                0xE0
                                                                                                                                                                                                                                0 \times 0.5
/* Values used for Hrv Control Mode Supported Report command */
#define HrV_CONTROL_MODE_SUPPORTED_REPORT_PROPERTIES1_MANUAL_CONTROL_SUPPORTED_MASK
                                                                                                                                                                                                                                0x0F
#define HRV_CONTROL_MODE_SUPPORTED_REPORT_PROPERTIES1_MANUAL_CONTROL_SUPPORTED_MASK
#define HRV_CONTROL_MODE_SUPPORTED_REPORT_MANUAL_CONTROL_SUPPORTED_BYPASS_OPEN_CLOSE
#define HRV_CONTROL_MODE_SUPPORTED_REPORT_MANUAL_CONTROL_SUPPORTED_BYPASS_AUTO
#define HRV_CONTROL_MODE_SUPPORTED_REPORT_MANUAL_CONTROL_SUPPORTED_MODULATED_BYPASS
#define HRV_CONTROL_MODE_SUPPORTED_REPORT_MANUAL_CONTROL_SUPPORTED_VENTILATION_RATE
#define HRV_CONTROL_MODE_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK
#define HRV_CONTROL_MODE_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                0 \times 0.2
                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                0xF0
                                                                                                                                                                                                                                0x04
 /* Hrv Status command class commands */
                                                                                                                                                                                                                               0x01
#define HRV_STATUS_VERSION
#define HRV_STATUS_GET
                                                                                                                                                                                                                                0 \times 0.1
#define HRV_STATUS_REPORT
#define HRV_STATUS_SUPPORTED_GET
                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                0x03
 #define HRV_STATUS_SUPPORTED_REPORT
                                                                                                                                                                                                                                0x04
#define HRV_STATUS_SUPPORTED_REFUNI
/* Values used for Hrv Status Get command */
#define HRV_STATUS_GET_OUTDOOR_AIR_TEMPERATURE
#define HRV_STATUS_GET_SUPPLY_AIR_TEMPERATURE
#define HRV_STATUS_GET_EXHAUST_AIR_TEMPERATURE
                                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                0x02
#define HRV_STATUS_GET_DISCHARGE_AIR_TEMPERATURE
#define HRV_STATUS_GET_ROOM_TEMPERATURE
                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                0x04
#define HRV_STATUS_GET_RELATIVE_HUMIDITY_IN_ROOM
#define HRV_STATUS_GET_REMAINING_FILTER_LIFE
/* Values used for Hrv_Status_Report_command_*/
                                                                                                                                                                                                                                0x05
                                                                                                                                                                                                                                0×06
 #define HRV_STATUS_REPORT_OUTDOOR_AIR_TEMPERATURE
                                                                                                                                                                                                                                0x00
```

```
#define HRV STATUS REPORT SUPPLY AIR TEMPERATURE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x01
#define HRV_STATUS_REPORT_EXHAUST_AIR_TEMPERATURE
#define HRV_STATUS_REPORT_EXHAUST_AIR_TEMPERATURE
#define HRV_STATUS_REPORT_DISCHARGE_AIR_TEMPERATURE
#define HRV_STATUS_REPORT_ROOM_TEMPERATURE
#define HRV_STATUS_REPORT_RELATIVE_HUMIDITY_IN_ROOM
#define HRV_STATUS_REPORT_REMAINING_FILTER_LIFE
#define HRV_STATUS_REPORT_PROPERTIES1_SIZE_MASK
#define HRV_STATUS_REPORT_PROPERTIES1_SCALE_MASK
#define HRV_STATUS_REPORT_PROPERTIES1_SCALE_SHIFT
#define HRV_STATUS_REPORT_PROPERTIES1_PRECISION_MASK
#define HRV_STATUS_REPORT_PROPERTIES1_PRECISION_SHIFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OxEO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x05
   /* Indicator command class commands */
 #define INDICATOR_VERSION
#define INDICATOR_GET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x02
   #define INDICATOR_REPORT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x03
  #define INDICATOR SET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x01
   /* Indicator command class commands */
#define INDICATOR_VERSION_V2
#define INDICATOR_REPORT_V2
#define INDICATOR_REPORT_V2
#define INDICATOR_SET_V2
#define INDICATOR_SUPPORTED_GET_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x04
  #define INDICATOR SUPPORTED REPORT V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x05
   /* Values used for Indicator Get command */
/* Values used for Indicator Get control of the state of 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0×00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0 \times 01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x04
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 #define INDICATOR_GET_ENTER_ID_V2
#define INDICATOR_GET_ENTER_PIN_V2
#define INDICATOR_GET_OK_V2
#define INDICATOR_GET_NOT_OK_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x06
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  #define INDICATOR_GET_ZONE1_ARMED_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x20
 #define INDICATOR_GET_ZONE2_ARMED_V2
#define INDICATOR_GET_ZONE3_ARMED_V2
#define INDICATOR_GET_ZONE4_ARMED_V2
#define INDICATOR_GET_ZONE5_ARMED_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x21
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#define INDICATOR GET ZONES ARMED V2
#define INDICATOR GET ZONES ARMED V2
#define INDICATOR GET ZONES ARMED V2
#define INDICATOR GET LCD BACKLIGHT V2
#define INDICATOR GET BUTTON BACKLIGHT LETTERS V2
#define INDICATOR GET BUTTON BACKLIGHT DIGITS V2
#define INDICATOR GET BUTTON BACKLIGHT COMMAND V2
#define INDICATOR GET BUTTON INDICATION V2
#define INDICATOR GET BUTTON2 INDICATION V2
#define INDICATOR GET BUTTON3 INDICATION V2
#define INDICATOR GET BUTTON4 INDICATION V2
#define INDICATOR GET BUTTON5 INDICATION V2
#define INDICATOR GET BUTTON5 INDICATION V2
#define INDICATOR GET BUTTON5 INDICATION V2
#define INDICATOR GET BUTTON6 INDICATION V2
#define INDICATOR GET BUTTON7 INDICATION V2
#define INDICATOR GET BUTTON8 INDICATION V2
#define INDICATOR GET BUTTON9 INDICATION V2
#define INDICATOR GET BUTTON9 INDICATION V2
#define INDICATOR GET BUTTON10 INDICATION V2
#define INDICATOR GET BUTTON11 INDICATION V2
#define INDICATOR GET BUTTON11 INDICATION V2
#define INDICATOR GET BUTTON12 INDICATION V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x24
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   #define INDICATOR_GET_BUZZER_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0xF0
   /* Values used for Indicator Report command */
 #define INDICATOR_REPORT_PROPERTIES1_INDICATOR_OBJECT_COUNT_MASK_V2
#define INDICATOR_REPORT_PROPERTIES1_RESERVED_MASK_V2
#define INDICATOR_REPORT_PROPERTIES1_RESERVED_SHIFT_V2
#define INDICATOR_REPORT_NA_V2
#define INDICATOR_REPORT_ARMED_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0×1F
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   #define INDICATOR_REPORT_NOT_ARMED_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x02
 #define INDICATOR_REPORT_READY_V2
#define INDICATOR_REPORT_FAULT_V2
#define INDICATOR_REPORT_BUSY_V2
#define INDICATOR_REPORT_ENTER_ID_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x03
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#define INDICATOR_REPORT_ENTER_ID_V2
#define INDICATOR_REPORT_ENTER_PIN_V2
#define INDICATOR_REPORT_OK_V2
#define INDICATOR_REPORT_OK_V2
#define INDICATOR_REPORT_ZONE1_ARMED_V2
#define INDICATOR_REPORT_ZONE2_ARMED_V2
#define INDICATOR_REPORT_ZONE3_ARMED_V2
#define INDICATOR_REPORT_ZONE4_ARMED_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x07
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 #define INDICATOR_REPORT_ZONES_ARMED_V2
#define INDICATOR_REPORT_ZONE6_ARMED_V2
#define INDICATOR_REPORT_LCD_BACKLIGHT_V2
#define INDICATOR_REPORT_BUTTON_BACKLIGHT_LETTERS_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0x24
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#define INDICATOR REPORT BUTTON BACKLIGHT DIGITS V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x41
  #define INDICATOR_REPORT_BUTTON_BACKLIGHT_COMMAND_V2
#define INDICATOR_REPORT_BUTTON1_INDICATION_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x42
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x43
#define INDICATOR_REPORT_BUTTON1_INDICATION_V2
#define INDICATOR_REPORT_BUTTON2_INDICATION_V2
#define INDICATOR_REPORT_BUTTON3_INDICATION_V2
#define INDICATOR_REPORT_BUTTON4_INDICATION_V2
#define INDICATOR_REPORT_BUTTON5_INDICATION_V2
#define INDICATOR_REPORT_BUTTON6_INDICATION_V2
#define INDICATOR_REPORT_BUTTON6_INDICATION_V2
#define INDICATOR_REPORT_BUTTON8_INDICATION_V2
#define INDICATOR_REPORT_BUTTON9_INDICATION_V2
#define INDICATOR_REPORT_BUTTON9_INDICATION_V2
#define INDICATOR_REPORT_BUTTON10_INDICATION_V2
#define INDICATOR_REPORT_BUTTON11_INDICATION_V2
#define INDICATOR_REPORT_BUTTON12_INDICATION_V2
#define INDICATOR_REPORT_BUTTON12_INDICATION_V2
#define INDICATOR_REPORT_BUTTON12_INDICATION_V2
#define INDICATOR_REPORT_BUTZER_V2
#define INDICATOR_REPORT_BUTZER_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x44
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                                                                                                                                                                                                                                                                                                                                                                                                                                   0x4E
                                                                                                                                                                                                                                                                                                                                                                                                                                   0xF0
 #define INDICATOR_REPORT_MULTILEVEL_V2
#define INDICATOR_REPORT_BINARY_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0 \times 01
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x02
  #define INDICATOR REPORT ON OFF PERIOD V2
#define INDICATOR REPORT ON OFF CYCLES V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x04
  #define INDICATOR_REPORT_LOW_POWER_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x10
 /* Values used for Indicator Set command */
#define INDICATOR_SET_PROPERTIES1_INDICATOR_OBJECT_COUNT_MASK_V2
#define INDICATOR_SET_PROPERTIES1_RESERVED_MASK_V2
#define INDICATOR_SET_PROPERTIES1_RESERVED_SHIFT_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x1F
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                                                                                                                                                                                                                                                                                                                                                                                                                                   0x05
#define INDICATOR SET_PROPERTIES1 !
#define INDICATOR SET_NA_V2
#define INDICATOR SET_ARMED_V2
#define INDICATOR SET_ARMED_V2
#define INDICATOR SET_READY_V2
#define INDICATOR SET_FAULT_V2
#define INDICATOR SET_BUSY_V2
#define INDICATOR SET_ENTER_ID_V2
#define INDICATOR SET_ENTER_PIN_V2
#define INDICATOR SET_OK_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x00
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#define INDICATOR_SET_OK_V2
#define INDICATOR_SET_NOT_OK_V2
#define INDICATOR_SET_ZONE1_ARMED_V2
#define INDICATOR_SET_ZONE2_ARMED_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x08
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  #define INDICATOR_SET_ZONE3_ARMED_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x22
 #define INDICATOR_SET_ZONE4_ARMED_V2
#define INDICATOR_SET_ZONE5_ARMED_V2
#define INDICATOR_SET_ZONE6_ARMED_V2
#define INDICATOR_SET_LCD_BACKLIGHT_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x23
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 #define INDICATOR SET_BUTTON BACKLIGHT_LETTERS_V2
#define INDICATOR_SET_BUTTON_BACKLIGHT_DIGITS_V2
#define INDICATOR_SET_BUTTON_BACKLIGHT_COMMAND_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x40
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x41
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#define INDICATOR_SET_BUTTON_INDICATION_V2
#define INDICATOR_SET_BUTTON1_INDICATION_V2
#define INDICATOR_SET_BUTTON2_INDICATION_V2
#define INDICATOR_SET_BUTTON3_INDICATION_V2
#define INDICATOR_SET_BUTTON4_INDICATION_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0 \times 43
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                                                                                                                                                                                                                                                                                                                                                                                                                                   0x45
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#define INDICATOR_SET_BUTTON4_INDICATION_V2
#define INDICATOR_SET_BUTTON5_INDICATION_V2
#define INDICATOR_SET_BUTTON6_INDICATION_V2
#define INDICATOR_SET_BUTTON7_INDICATION_V2
#define INDICATOR_SET_BUTTON8_INDICATION_V2
#define INDICATOR_SET_BUTTON9_INDICATION_V2
#define INDICATOR_SET_BUTTON10_INDICATION_V2
#define INDICATOR_SET_BUTTON11_INDICATION_V2
#define INDICATOR_SET_BUTTON12_INDICATION_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x47
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#define INDICATOR_SET_MULTILEVEL_V2
#define INDICATOR_SET_BINARY_V2
#define INDICATOR_SET_ON_OFF_PERIOD_V2
#define INDICATOR_SET_ON_OFF_CYCLES_V2
#define INDICATOR_SET_LOW_POWER_V2
/* Values used for Indicator Supported Get command */
#define INDICATOR_SUPPORTED_GET_NA_V2
#define INDICATOR_SUPPORTED_GET_ARMED_V2
#define INDICATOR_SUPPORTED_GET_ARMED_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x02
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   #define INDICATOR_SUPPORTED_GET_NOT_ARMED_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x02
#define INDICATOR_SUPPORTED_GET_NOT_ARMED_V2
#define INDICATOR_SUPPORTED_GET_READY_V2
#define INDICATOR_SUPPORTED_GET_FAULT_V2
#define INDICATOR_SUPPORTED_GET_BUSY_V2
#define INDICATOR_SUPPORTED_GET_ENTER_ID_V2
#define INDICATOR_SUPPORTED_GET_ENTER_PIN_V2
#define INDICATOR_SUPPORTED_GET_OK_V2
#define INDICATOR_SUPPORTED_GET_TOK_V2
#define INDICATOR_SUPPORTED_GET_ZONE1_ARMED_V2
#define INDICATOR_SUPPORTED_GET_ZONE2_ARMED_V2
#define INDICATOR_SUPPORTED_GET_ZONE3_ARMED_V2
#define INDICATOR_SUPPORTED_GET_ZONE4_ARMED_V2
#define INDICATOR_SUPPORTED_GET_ZONE4_ARMED_V2
#define INDICATOR_SUPPORTED_GET_ZONE4_ARMED_V2
#define INDICATOR_SUPPORTED_GET_ZONE4_ARMED_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x03
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 #define INDICATOR SUPPORTED GET ZONES ARMED V2
#define INDICATOR SUPPORTED GET ZONES ARMED V2
#define INDICATOR SUPPORTED GET ZONE6_ARMED V2
#define INDICATOR SUPPORTED GET_LCD_BACKLIGHT_V2
#define INDICATOR_SUPPORTED_GET_BUTTON_BACKLIGHT_LETTERS_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                   0x24
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#define INDICATOR SUPPORTED GET BUTTON BACKLIGHT DIGITS V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x41
      #define INDICATOR_SUPPORTED_GET_BUTTON_BACKLIGHT_COMMAND_V2
#define INDICATOR_SUPPORTED_GET_BUTTON1_INDICATION_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x43
  #define INDICATOR_SUPPORTED_GET_BUTTON1_INDICATION_V2
#define INDICATOR_SUPPORTED_GET_BUTTON2_INDICATION_V2
#define INDICATOR_SUPPORTED_GET_BUTTON3_INDICATION_V2
#define INDICATOR_SUPPORTED_GET_BUTTON4_INDICATION_V2
#define INDICATOR_SUPPORTED_GET_BUTTON5_INDICATION_V2
#define INDICATOR_SUPPORTED_GET_BUTTON6_INDICATION_V2
#define INDICATOR_SUPPORTED_GET_BUTTON7_INDICATION_V2
#define INDICATOR_SUPPORTED_GET_BUTTON8_INDICATION_V2
#define INDICATOR_SUPPORTED_GET_BUTTON9_INDICATION_V2
#define INDICATOR_SUPPORTED_GET_BUTTON10_INDICATION_V2
#define INDICATOR_SUPPORTED_GET_BUTTON11_INDICATION_V2
#define INDICATOR_SUPPORTED_GET_BUTTON11_INDICATION_V2
#define INDICATOR_SUPPORTED_GET_BUTTON11_INDICATION_V2
#define INDICATOR_SUPPORTED_GET_BUTTON11_INDICATION_V2
#define INDICATOR_SUPPORTED_GET_BUTTON11_INDICATION_V2
#define INDICATOR_SUPPORTED_GET_BUTZER_V2
/* Values_used_for_Indicator_Supported_Report_command_*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x44
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0xF0
     /* Values used for Indicator Supported Report command */
#define INDICATOR_SUPPORTED_REPORT_NA_V2
#define INDICATOR_SUPPORTED_REPORT_ARMED_V2
#define INDICATOR_SUPPORTED_REPORT_NOT_ARMED_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x00
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     #define INDICATOR SUPPORTED REPORT READY V2
#define INDICATOR SUPPORTED REPORT FAULT V2
#define INDICATOR SUPPORTED REPORT BUSY V2
#define INDICATOR SUPPORTED REPORT ENTER ID V2
#define INDICATOR SUPPORTED REPORT ENTER ID V2
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       #define INDICATOR SUPPORTED REPORT OK V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x08
   #define INDICATOR SUPPORTED REPORT OR V2
#define INDICATOR SUPPORTED REPORT ZONE1 ARMED V2
#define INDICATOR SUPPORTED REPORT ZONE2 ARMED V2
#define INDICATOR SUPPORTED REPORT ZONE2 ARMED V2
#define INDICATOR SUPPORTED REPORT ZONE3 ARMED V2
#define INDICATOR SUPPORTED REPORT ZONE4 ARMED V2
#define INDICATOR SUPPORTED REPORT ZONE5 ARMED V2
#define INDICATOR SUPPORTED REPORT ZONE6 ARMED V2
#define INDICATOR SUPPORTED REPORT ZONE6 ARMED V2
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     #define INDICATOR_SUPPORTED_REPORT_LCD_BACKLIGHT_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON_BACKLIGHT_LETTERS_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON_BACKLIGHT_LETTERS_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON_BACKLIGHT_COMMAND_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON1_INDICATION_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x30
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   #define INDICATOR_SUPPORTED_REPORT_BUTTON1_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON2_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON3_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON5_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON5_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON6_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON7_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON8_INDICATION_V2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x49
  #define INDICATOR_SUPPORTED_REPORT_BUTTON8_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON9_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON10_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON11_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON112_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUZZER_V2
#define INDICATOR_SUPPORTED_REPORT_NA_V2
#define INDICATOR_SUPPORTED_REPORT_ARMED_V2
#define INDICATOR_SUPPORTED_REPORT_ARMED_V2
#define INDICATOR_SUPPORTED_REPORT_ARMED_V2
#define INDICATOR_SUPPORTED_REPORT_FAULT_V2
#define INDICATOR_SUPPORTED_REPORT_BUZY_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x4A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 4B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x4C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x4D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x4E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0xF0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0×00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 0.6
#define INDICATOR_SUPPORTED_REPORT_ENTER_PIN_V2
#define INDICATOR_SUPPORTED_REPORT_OK_V2
#define INDICATOR_SUPPORTED_REPORT_ZONE1_ARMED_V2
#define INDICATOR_SUPPORTED_REPORT_ZONE1_ARMED_V2
#define INDICATOR_SUPPORTED_REPORT_ZONE2_ARMED_V2
#define INDICATOR_SUPPORTED_REPORT_ZONE3_ARMED_V2
#define INDICATOR_SUPPORTED_REPORT_ZONE4_ARMED_V2
#define INDICATOR_SUPPORTED_REPORT_ZONE5_ARMED_V2
#define INDICATOR_SUPPORTED_REPORT_ZONE6_ARMED_V2
#define INDICATOR_SUPPORTED_REPORT_ZONE6_ARMED_V2
#define INDICATOR_SUPPORTED_REPORT_LCD_BACKLIGHT_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON_BACKLIGHT_LETTERS_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON_BACKLIGHT_DIGITS_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON_BACKLIGHT_COMMAND_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON1_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON1_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON4_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON5_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON10_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON10_INDICATION_V2
#define INDICATOR_SUPPORTED_REPORT_BUTTON10_INDICATION_V2
#de
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 0.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x47
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x4A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x4B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 4 C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x4D
```

```
#define INDICATOR SUPPORTED REPORT BUZZER V2
 #define INDICATOR SUPPORTED REPORT PROPERTIES1 PROPERTY SUPPORTED BIT MASK LENGTH MASK V2 0x1F #define INDICATOR SUPPORTED REPORT PROPERTIES1 RESERVED MASK V2 0xE0
 #define INDICATOR_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V2
                                                                                                                                                                                                                                                                                               0x05
  /* Ip Configuration command class commands */
/* Ip Configuration command class
#define IP_CONFIGURATION_VERSION
#define IP_CONFIGURATION_GET
#define IP_CONFIGURATION_RELEASE
#define IP_CONFIGURATION_RENEW
#define IP_CONFIGURATION_REPORT
#define IP_CONFIGURATION_SET
                                                                                                                                                                                                                                                                                               0x01
                                                                                                                                                                                                                                                                                               0x02
                                                                                                                                                                                                                                                                                               0x04
                                                                                                                                                                                                                                                                                               0 \times 0.5
                                                                                                                                                                                                                                                                                               0x03
                                                                                                                                                                                                                                                                                               0x01
    '* Values used for Ip Configuration Report command */
 #define IP_CONFIGURATION_REPORT_PROPERTIES1_AUTO_DNS_BIT_MASK
#define IP_CONFIGURATION_REPORT_PROPERTIES1_AUTO_IP_BIT_MASK
#define IP_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_MASK
#define IP_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                               0x01
                                                                                                                                                                                                                                                                                               0x02
                                                                                                                                                                                                                                                                                               0xFC
                                                                                                                                                                                                                                                                                               0x02
  /* Values used for Ip Configuration Set command */
  #define IP_CONFIGURATION_SET_PROPERTIES1_AUTO_DNS_BIT_MASK
                                                                                                                                                                                                                                                                                               0x01
 #define IP_CONFIGURATION_SET_PROPERTIES1_AUTO IP_BIT_MASK
#define IP_CONFIGURATION_SET_PROPERTIES1_RESERVED_MASK
#define IP_CONFIGURATION_SET_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                               0x02
                                                                                                                                                                                                                                                                                               0×FC
                                                                                                                                                                                                                                                                                               0x02
  /* Language command class commands */
 #define LANGUAGE VERSION
                                                                                                                                                                                                                                                                                               0x01
 #define LANGUAGE_GET
#define LANGUAGE_REPORT
                                                                                                                                                                                                                                                                                               0x02
                                                                                                                                                                                                                                                                                               0 \times 03
 #define LANGUAGE_SET
                                                                                                                                                                                                                                                                                               0 \times 01
  /* Lock command class commands */
 #define LOCK_VERSION
#define LOCK_GET
                                                                                                                                                                                                                                                                                               0x01
                                                                                                                                                                                                                                                                                               0x02
  #define LOCK_REPORT
                                                                                                                                                                                                                                                                                               0x03
 #define LOCK SET
                                                                                                                                                                                                                                                                                               0x01
  /* Manufacturer Proprietary command class commands */
 #define MANUFACTURER_PROPRIETARY_VERSION
                                                                                                                                                                                                                                                                                               0x01
  /* Manufacturer Specific command class commands */
 #define MANUFACTURER_SPECIFIC_VERSION
#define MANUFACTURER_SPECIFIC_GET
                                                                                                                                                                                                                                                                                               0x01
                                                                                                                                                                                                                                                                                               0x04
  #define MANUFACTURER_SPECIFIC_REPORT
                                                                                                                                                                                                                                                                                               0x05
 /* Manufacturer Specific command class commands */
#define MANUFACTURER_SPECIFIC_VERSION_V2
#define MANUFACTURER_SPECIFIC_GET_V2
#define MANUFACTURER_SPECIFIC_REPORT_V2
                                                                                                                                                                                                                                                                                               0 \times 0.2
                                                                                                                                                                                                                                                                                               0x04
                                                                                                                                                                                                                                                                                               0x05
  #define DEVICE_SPECIFIC_GET_V2
                                                                                                                                                                                                                                                                                               0x06
#define DEVICE_SPECIFIC_GET_V2

/* Values used for Device Specific Get command */

#define DEVICE_SPECIFIC_GET_PROPERTIES1_DEVICE_ID_TYPE_MASK_V2

#define DEVICE_SPECIFIC_GET_DEVICE_ID_TYPE_RESERVED_V2

#define DEVICE_SPECIFIC_GET_DEVICE_ID_TYPE_SERIAL_NUMBER_V2

#define DEVICE_SPECIFIC_GET_PROPERTIES1_RESERVED_MASK_V2

#define DEVICE_SPECIFIC_GET_PROPERTIES1_RESERVED_MASK_V2

#define DEVICE_SPECIFIC_GET_PROPERTIES1_RESERVED_SHIFT_V2

/* Values_ved_for_Device_Specific_GET_PROPERTIES1_RESERVED_SHIFT_V2
                                                                                                                                                                                                                                                                                               0x07
                                                                                                                                                                                                                                                                                               0x07
                                                                                                                                                                                                                                                                                               0x00
                                                                                                                                                                                                                                                                                               0xF8
                                                                                                                                                                                                                                                                                               0x03
 /* Values used for Device Specific Report command */
#define DEVICE_SPECIFIC_REPORT_PROPERTIES1_DEVICE_ID_TYPE_MASK_V2
#define DEVICE_SPECIFIC_REPORT_DEVICE_ID_TYPE_RESERVED_V2
                                                                                                                                                                                                                                                                                               0 \times 0.7
                                                                                                                                                                                                                                                                                               0x00
#define DEVICE SPECIFIC REPORT DEVICE ID TYPE RESERVED V2
#define DEVICE SPECIFIC REPORT DEVICE ID TYPE SERIAL NUMBER V2
#define DEVICE SPECIFIC REPORT PROPERTIES1 RESERVED MASK V2
#define DEVICE SPECIFIC REPORT PROPERTIES1 RESERVED SHIFT V2
#define DEVICE SPECIFIC REPORT PROPERTIES2 DEVICE ID DATA LENGTH INDICATOR MASK V2
#define DEVICE SPECIFIC REPORT PROPERTIES2 DEVICE ID DATA FORMAT MASK V2
#define DEVICE SPECIFIC REPORT PROPERTIES2 DEVICE ID DATA FORMAT SHIFT V2
#define DEVICE SPECIFIC REPORT DEVICE ID DATA FORMAT RESERVED V2
#define DEVICE SPECIFIC REPORT DEVICE ID DATA FORMAT RESERVED V2
                                                                                                                                                                                                                                                                                               0x01
                                                                                                                                                                                                                                                                                               0xF8
                                                                                                                                                                                                                                                                                               0 \times 0.3
                                                                                                                                                                                                                                                                                               0x1F
                                                                                                                                                                                                                                                                                               0xE0
                                                                                                                                                                                                                                                                                               0x05
                                                                                                                                                                                                                                                                                               0x00
 #define DEVICE_SPECIFIC_REPORT_DEVICE_ID_DATA_FORMAT_BINARY_V2
                                                                                                                                                                                                                                                                                               0x01
  /* Mark command class commands */
 #define MARK VERSION
                                                                                                                                                                                                                                                                                               0x01
  /* Meter Pulse command class commands */
 #define METER_PULSE_VERSION
#define METER_PULSE_GET
#define METER_PULSE_REPORT
                                                                                                                                                                                                                                                                                               0x01
                                                                                                                                                                                                                                                                                               0 \times 0.4
                                                                                                                                                                                                                                                                                               0 \times 05
  /* Meter Tbl Config command class commands */
/* Meter TD1 CONING COMMENTS C
                                                                                                                                                                                                                                                                                               0x01
                                                                                                                                                                                                                                                                                               0x01
                                                                                                                                                                                                                                                                                               0x1F
                                                                                                                                                                                                                                                                                               0xE0
```

```
#define METER TBL TABLE POINT ADM NO SET PROPERTIES1 RESERVED SHIFT
                                                                                                                                                                                                                                                                                                                                       0x05
/* Meter Tbl Monitor command class commands #define METER_TBL_MONITOR_VERSION #define METER_TBL_STATUS_REPORT #define METER_TBL_STATUS_DATE_GET #define METER_TBL_STATUS_DEPTH_GET #define METER_TBL_STATUS_SUPPORTED_REPORT #define METER_TBL_STATUS_SUPPORTED_REPORT #define METER_TBL_CURRENT_DATA_GET #define METER_TBL_HISTORICAL_DATA_GET #define METER_TBL_HISTORICAL_DATA_REPORT #define METER_TBL_HISTORICAL_DATA_REPORT #define METER_TBL_TABLE_ID_GET #define METER_TBL_TABLE_ID_GET #define METER_TBL_TABLE_ID_GET #define METER_TBL_TABLE_ID_REPORT #define METER_TBL_TABLE_ID_REPORT #define METER_TBL_TABLE_ID_REPORT #define METER_TBL_TABLE_ID_REPORT #define METER_TBL_TABLE_ID_REPORT #define METER_TBL_TABLE_ID_REPORT #define METER_TBL_TABLE_POINT_ADM_NO_GET #define METER_TBL_TABLE_POINT_ADM_NO_REPORT /* Values used for Meter_Tbl_Current_Data_Re
  /* Meter Tbl Monitor command class commands */
                                                                                                                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                                                                                                                       0x0B
                                                                                                                                                                                                                                                                                                                                       0x0A
                                                                                                                                                                                                                                                                                                                                       0x09
                                                                                                                                                                                                                                                                                                                                       0x07
                                                                                                                                                                                                                                                                                                                                       0x08
                                                                                                                                                                                                                                                                                                                                       0×0C
                                                                                                                                                                                                                                                                                                                                       0x0D
                                                                                                                                                                                                                                                                                                                                       0x0E
                                                                                                                                                                                                                                                                                                                                       0x0F
                                                                                                                                                                                                                                                                                                                                       0x06
                                                                                                                                                                                                                                                                                                                                       0x05
                                                                                                                                                                                                                                                                                                                                       0 \times 0.3
                                                                                                                                                                                                                                                                                                                                       0x04
                                                                                                                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                                                                                                                       0x02
  /* Values used for Meter Tbl Current Data Report command */
 #define METER_TBL_CURRENT_DATA_REPORT_PROPERTIES1_RATE_TYPE_MASK
#define METER_TBL_CURRENT_DATA_REPORT_PROPERTIES1_RESERVED_MASK
#define METER_TBL_CURRENT_DATA_REPORT_PROPERTIES1_RESERVED_SHIFT
/* Values used for Meter_Tbl_Historical_Data_Report_command_*/
                                                                                                                                                                                                                                                                                                                                       0x03
                                                                                                                                                                                                                                                                                                                                       0xFC
                                                                                                                                                                                                                                                                                                                                       0x02
  #define METER TBL HISTORICAL DATA REPORT PROPERTIES1 RATE TYPE MASK
                                                                                                                                                                                                                                                                                                                                       0x03
 #define METER_TBL_HISTORICAL_DATA_REPORT_PROPERTIES1_RESERVED_MASK
#define METER_TBL_HISTORICAL_DATA_REPORT_PROPERTIES1_RESERVED_SHIFT
/* Values used for Meter_Tbl_Report_command */
#define METER_TBL_REPORT_PROPERTIES1_METER_TYPE_MASK
                                                                                                                                                                                                                                                                                                                                       0xFC
                                                                                                                                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                                                                                                                                       0x3F
#define METER TBL REPORT PROPERTIES1 METER TYPE MASK
#define METER TBL REPORT PROPERTIES1 RATE TYPE MASK
#define METER TBL REPORT PROPERTIES1 RATE TYPE SHIFT
#define METER TBL REPORT PROPERTIES2 PAY METER MASK
#define METER TBL REPORT PAY METER RESERVED
#define METER TBL REPORT PAY METER CREDITMETER
#define METER TBL REPORT PAY METER PREPAYMENT METER
#define METER TBL REPORT PAY METER PREPAYMENT METER
#define METER TBL REPORT PAY METER PREPAYMENT METER DEBT
                                                                                                                                                                                                                                                                                                                                       0xC0
                                                                                                                                                                                                                                                                                                                                       0x06
                                                                                                                                                                                                                                                                                                                                       0x0F
                                                                                                                                                                                                                                                                                                                                       0x00
                                                                                                                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                                                                                                                                       0x03
 #define METER_TBL_REPORT_PROPERTIES2_RESERVED_MASK
                                                                                                                                                                                                                                                                                                                                       0xF0
#define METER_TBL_REPORT_PROPERTIES2_RESERVED_MASK
#define METER_TBL_REPORT_PROPERTIES2_RESERVED_SHIFT

/* Values used for Meter Tbl Table Id Report command */
#define METER_TBL_TABLE_ID_REPORT_PROPERTIES1_NUMBER_OF_CHARACTERS_MASK
#define METER_TBL_TABLE_ID_REPORT_PROPERTIES1_RESERVED_MASK
#define METER_TBL_TABLE_ID_REPORT_PROPERTIES1_RESERVED_SHIFT
/* Values used for Meter Tbl Table Point Adm No Report command */
#define METER_TBL_TABLE_POINT_ADM_NO_REPORT_PROPERTIES1_NUMBER_OF_CHARACTERS_MASK
#define METER_TBL_TABLE_POINT_ADM_NO_REPORT_PROPERTIES1_RESERVED_MASK
#define METER_TBL_TABLE_POINT_ADM_NO_REPORT_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                                                                       0x04
                                                                                                                                                                                                                                                                                                                                       0x1F
                                                                                                                                                                                                                                                                                                                                       0xE0
                                                                                                                                                                                                                                                                                                                                       0x05
                                                                                                                                                                                                                                                                                                                                       0x1F
                                                                                                                                                                                                                                                                                                                                       0xE0
                                                                                                                                                                                                                                                                                                                                       0x05
  /* Meter Tbl Monitor command class commands */
/* Meter Tbl Monitor command class commands : #define METER_TBL_MONITOR_VERSION_V2 #define METER_TBL_STATUS_REPORT_V2 #define METER_TBL_STATUS_DATE_GET_V2 #define METER_TBL_STATUS_DEPTH_GET_V2 #define METER_TBL_STATUS_SUPPORTED_GET_V2 #define METER_TBL_STATUS_SUPPORTED_REPORT_V2 #define METER_TBL_CURRENT_DATA_GET_V2 #define METER_TBL_CURRENT_DATA_REPORT_V2 #define METER_TBL_HISTORICAL_DATA_REPORT_V2 #define METER_TBL_HISTORICAL_DATA_REPORT_V2 #define METER_TBL_HISTORICAL_DATA_REPORT_V2 #define METER_TBL_HISTORICAL_DATA_REPORT_V2 #define METER_TBL_HISTORICAL_DATA_REPORT_V2
                                                                                                                                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                                                                                                                                       0 \times 0 B
                                                                                                                                                                                                                                                                                                                                       0x0A
                                                                                                                                                                                                                                                                                                                                       0x09
                                                                                                                                                                                                                                                                                                                                       0x07
                                                                                                                                                                                                                                                                                                                                       0x08
                                                                                                                                                                                                                                                                                                                                       0x0C
                                                                                                                                                                                                                                                                                                                                       0×0D
                                                                                                                                                                                                                                                                                                                                       0 \times 0 E
                                                                                                                                                                                                                                                                                                                                       0x0F
#define METER_TBL_HISTORICAL_DATA_REPORT_V2
#define METER_TBL_REPORT_V2
#define METER_TBL_TABLE_CAPABILITY_GET_V2
#define METER_TBL_TABLE_ID_GET_V2
#define METER_TBL_TABLE_ID_REPORT_V2
#define METER_TBL_TABLE_POINT_ADM_NO_GET_V2
#define METER_TBL_TABLE_POINT_ADM_NO_REPORT_V2
/* Values used for Meter_Tbl_Current_Data_Report_command_*/
                                                                                                                                                                                                                                                                                                                                       0x06
                                                                                                                                                                                                                                                                                                                                       0x05
                                                                                                                                                                                                                                                                                                                                       0 \times 0.3
                                                                                                                                                                                                                                                                                                                                       0x04
                                                                                                                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                                                                                                                       0x02
  #define METER_TBL_CURRENT_DATA_REPORT_PROPERTIES1_RATE_TYPE_MASK_V2
                                                                                                                                                                                                                                                                                                                                       0x03
 #define METER_TBL_HISTORICAL_DATA_REPORT_PROPERTIES1_RESERVED_MASK_V2 0x03
#define METER_TBL_HISTORICAL_DATA_REPORT_PROPERTIES1_RESERVED_MASK_V2 0x7C
#define METER_TBL_HISTORICAL_DATA_REPORT_PROPERTIES1_RESERVED_SHIFT_V2 0x02
#define METER_TBL_HISTORICAL_DATA_REPORT_PROPERTIES1_OPERATING_STATUS_INDICATION_BIT_MASK_V2 0x80
/* Values used for Meter_Tbl_Report_command */
/* Values used for Meter Tbl Report command */
#define METER_TBL_REPORT_PROPERTIES1_METER_TYPE_MASK_V2
#define METER_TBL_REPORT_PROPERTIES1_RATE_TYPE_MASK_V2
#define METER_TBL_REPORT_PROPERTIES1_RATE_TYPE_SHIFT_V2
#define METER_TBL_REPORT_PROPERTIES2_PAY_METER_MASK_V2
#define METER_TBL_REPORT_PAY_METER_RESERVED_V2
#define METER_TBL_REPORT_PAY_METER_CREDITMETER_V2
                                                                                                                                                                                                                                                                                                                                       0x3F
                                                                                                                                                                                                                                                                                                                                       0xC0
                                                                                                                                                                                                                                                                                                                                       0x06
                                                                                                                                                                                                                                                                                                                                       0×0F
                                                                                                                                                                                                                                                                                                                                       0x00
```

```
#define METER TBL REPORT PAY METER PREPAYMENT METER V2
                                                                                                                                                                                                                                                                                   0x02
#define METER_TBL_REPORT_PAY_METER_PREPAYMENT_METER_V2
#define METER_TBL_REPORT_PAY_METER_PREPAYMENT_METER_DEBT_V2
#define METER_TBL_REPORT_PROPERTIES2_RESERVED_MASK_V2
#define METER_TBL_REPORT_PROPERTIES2_RESERVED_SHIFT_V2
/* Values used for Meter_Tbl_Table_Id_REPORT_PROPERTIES1_NUMBER_OF_CHARACTERS_MASK_V2
#define METER_TBL_TABLE_ID_REPORT_PROPERTIES1_RESERVED_MASK_V2
#define METER_TBL_TABLE_ID_REPORT_PROPERTIES1_RESERVED_SHIFT_V2
/* Values_used_for_Meter_Tbl_Table_Point_Adm_No_Report_command_*/
                                                                                                                                                                                                                                                                                   0x03
                                                                                                                                                                                                                                                                                   0xF0
                                                                                                                                                                                                                                                                                   0x04
                                                                                                                                                                                                                                                                                   0×1F
                                                                                                                                                                                                                                                                                   0xE0
                                                                                                                                                                                                                                                                                   0x05
/* Values used for Meter Tbl Table Point Adm No Report command */
#define METER_TBL_TABLE_POINT_ADM_NO_REPORT_PROPERTIES1_NUMBER_OF_CHARACTERS_MASK_V2
#define METER_TBL_TABLE_POINT_ADM_NO_REPORT_PROPERTIES1_RESERVED_MASK_V2
#define METER_TBL_TABLE_POINT_ADM_NO_REPORT_PROPERTIES1_RESERVED_SHIFT_V2
                                                                                                                                                                                                                                                                                   0×1F
                                                                                                                                                                                                                                                                                   0xE0
                                                                                                                                                                                                                                                                                   0x05
  /* Meter Tbl Push command class commands */
 #define METER_TBL_PUSH_VERSION
#define METER_TBL_PUSH_CONFIGURATION_GET
#define METER_TBL_PUSH_CONFIGURATION_REPORT
                                                                                                                                                                                                                                                                                   0x01
                                                                                                                                                                                                                                                                                   0x02
                                                                                                                                                                                                                                                                                   0x03
 #define METER_TBL_PUSH_CONFIGURATION_SET
/* Values used for Meter Tbl Push Configuration Report command */
                                                                                                                                                                                                                                                                                   0x01
 #define METER_TBL_PUSH_CONFIGURATION_REPORT_PROPERTIES1_OPERATING_STATUS_PUSH_MODE_MASK
#define METER_TBL_PUSH_CONFIGURATION_REPORT_PROPERTIES1_PS_BIT_MASK
#define METER_TBL_PUSH_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_MASK
#define METER_TBL_PUSH_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_SHIFT
/* Values used for Meter_Tbl_Push_Configuration_Set_command */
                                                                                                                                                                                                                                                                                   0x0F
                                                                                                                                                                                                                                                                                   0 \times 10
                                                                                                                                                                                                                                                                                   0xE0
                                                                                                                                                                                                                                                                                   0x05
 #define METER_TBL_PUSH_CONFIGURATION_SET_PROPERTIES1_OPERATING_STATUS_PUSH_MODE_MASK
#define METER_TBL_PUSH_CONFIGURATION_SET_PROPERTIES1_PS_BIT_MASK
#define METER_TBL_PUSH_CONFIGURATION_SET_PROPERTIES1_RESERVED_MASK
#define METER_TBL_PUSH_CONFIGURATION_SET_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                   0x0F
                                                                                                                                                                                                                                                                                   0x10
                                                                                                                                                                                                                                                                                   0xE0
                                                                                                                                                                                                                                                                                   0 \times 0.5
  /* Meter command class commands */
 #define METER_VERSION
#define METER_GET
                                                                                                                                                                                                                                                                                   0x01
                                                                                                                                                                                                                                                                                   0x01
 #define METER_REPORT
                                                                                                                                                                                                                                                                                   0x02
  /* Values used for Meter Report command */
 #define METER_REPORT_ELECTRIC_METER
#define METER_REPORT_GAS_METER
                                                                                                                                                                                                                                                                                   0x01
                                                                                                                                                                                                                                                                                   0x02
  #define METER_REPORT_WATER_METER
                                                                                                                                                                                                                                                                                   0x03
 #define METER REPORT PROPERTIES1 SIZE MASK
#define METER REPORT PROPERTIES1 SCALE MASK
#define METER_REPORT_PROPERTIES1_SCALE_SHIFT
#define METER_REPORT_PROPERTIES1_PRECISION_MASK
                                                                                                                                                                                                                                                                                   0x07
                                                                                                                                                                                                                                                                                   0 \times 18
                                                                                                                                                                                                                                                                                   0x03
                                                                                                                                                                                                                                                                                   0xE0
  #define METER_REPORT_PROPERTIES1_PRECISION_SHIFT
                                                                                                                                                                                                                                                                                   0x05
 /* Meter command class commands */
#define METER_VERSION_V2
#define METER_GET_V2
                                                                                                                                                                                                                                                                                   0 \times 0.2
                                                                                                                                                                                                                                                                                   0x01
  #define METER REPORT V2
                                                                                                                                                                                                                                                                                   0x02
  #define METER_RESET_V2
                                                                                                                                                                                                                                                                                   0x05
 #define METER_SUPPORTED_GET_V2
#define METER_SUPPORTED_REPORT_V2
/* Values used for Meter Get command */
                                                                                                                                                                                                                                                                                   0x03
                                                                                                                                                                                                                                                                                   0 \times 0.4
/* Values used for Meter Get command */
#define METER_GET_PROPERTIES1_RESERVED_MASK_V2
#define METER_GET_PROPERTIES1_SCALE_MASK_V2
#define METER_GET_PROPERTIES1_SCALE_MASK_V2
#define METER_GET_PROPERTIES1_RESERVED2_MASK_V2
#define METER_GET_PROPERTIES1_RESERVED2_MASK_V2
#define METER_GET_PROPERTIES1_RESERVED2_SHIFT_V2
/* Values used for Meter Report command */
#define METER_REPORT_PROPERTIES1_METER_TYPE_MASK_V2
#define METER_REPORT_PROPERTIES1_RATE_TYPE_MASK_V2
#define METER_REPORT_PROPERTIES1_RATE_TYPE_SHIFT_V2
#define METER_REPORT_PROPERTIES1_RESERVED_BIT_MASK_V2
#define METER_REPORT_PROPERTIES2_SIZE_MASK_V2
#define METER_REPORT_PROPERTIES2_SIZE_MASK_V2
#define METER_REPORT_PROPERTIES2_SCALE_SHIFT_V2
#define METER_REPORT_PROPERTIES2_PRECISION_MASK_V2
#define METER_REPORT_PROPERTIES2_PRECISION_MASK_V2
#define METER_REPORT_PROPERTIES2_PRECISION_SHIFT_V2
/* Values used for Meter_Supported_Report_command_*/
                                                                                                                                                                                                                                                                                   0x07
                                                                                                                                                                                                                                                                                   0x18
                                                                                                                                                                                                                                                                                   0x03
                                                                                                                                                                                                                                                                                   0xE0
                                                                                                                                                                                                                                                                                   0 \times 0.5
                                                                                                                                                                                                                                                                                   0x1F
                                                                                                                                                                                                                                                                                   0x60
                                                                                                                                                                                                                                                                                   0x05
                                                                                                                                                                                                                                                                                   0 \times 80
                                                                                                                                                                                                                                                                                   0x07
                                                                                                                                                                                                                                                                                   0x18
                                                                                                                                                                                                                                                                                   0x03
                                                                                                                                                                                                                                                                                   0xE0
                                                                                                                                                                                                                                                                                   0x05
#define METER_KEPORT_PROPERTIESZ_PRECISION_SHIFT_V2
/* Values used for Meter Supported Report command */
#define METER_SUPPORTED_REPORT_PROPERTIES1_METER_TYPE_MASK_V2
#define METER_SUPPORTED_REPORT_PROPERTIES1_RESERVED1_MASK_V2
#define METER_SUPPORTED_REPORT_PROPERTIES1_RESERVED1_SHIFT_V2
#define METER_SUPPORTED_REPORT_PROPERTIES1_METER_RESET_BIT_MASK_V2
#define METER_SUPPORTED_REPORT_PROPERTIES2_SCALE_SUPPORTED_MASK_V2
#define METER_SUPPORTED_REPORT_PROPERTIES2_RESERVED2_MASK_V2
#define METER_SUPPORTED_REPORT_PROPERTIES2_RESERVED2_SHIFT_V2
                                                                                                                                                                                                                                                                                   0×1F
                                                                                                                                                                                                                                                                                   0x60
                                                                                                                                                                                                                                                                                   0x05
                                                                                                                                                                                                                                                                                   0x80
                                                                                                                                                                                                                                                                                   0x0F
                                                                                                                                                                                                                                                                                   0 \times F0
                                                                                                                                                                                                                                                                                   0x04
    * Meter command class commands */
  #define METER_VERSION_V3
                                                                                                                                                                                                                                                                                   0x03
  #define METER_GET_V3
                                                                                                                                                                                                                                                                                   0x01
 #define METER_REPORT_V3
#define METER_RESET_V3
                                                                                                                                                                                                                                                                                   0 \times 02
                                                                                                                                                                                                                                                                                   0x05
 #define METER SUPPORTED GET V3
                                                                                                                                                                                                                                                                                   0x03
```

```
#define METER SUPPORTED REPORT V3
                                                                                                                                                                                                                                                                                                0x04
  /* Values used for Meter Get command */
  #define METER_GET_PROPERTIES1_RESERVED_MASK_V3
                                                                                                                                                                                                                                                                                                0x07
 #define METER_GET_PROPERTIES1_SCALE_MASK_V3
#define METER_GET_PROPERTIES1_SCALE_SHIFT_V3
#define METER_GET_PROPERTIES1_RESERVED2_MASK_V3
#define METER_GET_PROPERTIES1_RESERVED2_SHIFT_V3
                                                                                                                                                                                                                                                                                                0x38
                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                0xC0
                                                                                                                                                                                                                                                                                                0x06
  /* Values used for Meter Report command */
/* Values used for Meter Report command */
#define METER_REPORT_PROPERTIES1_METER_TYPE_MASK_V3
#define METER_REPORT_PROPERTIES1_RATE_TYPE_MASK_V3
#define METER_REPORT_PROPERTIES1_RATE_TYPE_SHIFT_V3
#define METER_REPORT_PROPERTIES1_SCALE_BIT_2_BIT_MASK_V3
#define METER_REPORT_PROPERTIES2_SIZE_MASK_V3
#define METER_REPORT_PROPERTIES2_SIZE_MASK_V3
#define METER_REPORT_PROPERTIES2_SCALE_BITS_10_MASK_V3
#define METER_REPORT_PROPERTIES2_PRECISION_MASK_V3
#define METER_REPORT_PROPERTIES2_PRECISION_SHIFT_V3
#define METER_REPORT_PROPERTIES2_PRECISION_SHIFT_V3

** Values_used_for_Meter_Supported_Report_command_*/
                                                                                                                                                                                                                                                                                                0x1F
                                                                                                                                                                                                                                                                                                0×60
                                                                                                                                                                                                                                                                                                0x05
                                                                                                                                                                                                                                                                                                0x80
                                                                                                                                                                                                                                                                                                0x07
                                                                                                                                                                                                                                                                                                0x18
                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                0xE0
                                                                                                                                                                                                                                                                                                0 \times 05
  /* Values used for Meter Supported Report command */
 #define METER_SUPPORTED_REPORT_PROPERTIES1_METER_TYPE_MASK_V3
#define METER_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V3
#define METER_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V3
#define METER_SUPPORTED_REPORT_PROPERTIES1_METER_RESET_BIT_MASK_V3
                                                                                                                                                                                                                                                                                                0x1F
                                                                                                                                                                                                                                                                                                0x60
                                                                                                                                                                                                                                                                                                0x05
                                                                                                                                                                                                                                                                                                0x80
  /* Meter command class commands */
 #define METER VERSION V4
                                                                                                                                                                                                                                                                                                0x04
 #define METER_GET_V4
                                                                                                                                                                                                                                                                                                0x01
 #define METER_REPORT_V4
#define METER_RESET_V4
#define METER_SUPPORTED_GET_V4
                                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                                0 \times 0.5
                                                                                                                                                                                                                                                                                                0x03
  #define METER_SUPPORTED_REPORT_V4
                                                                                                                                                                                                                                                                                                0x04
  /* Values used for Meter Get command */
 #define METER_GET_PROPERTIES1_RESERVED_MASK_V4
#define METER_GET_PROPERTIES1_RESERVED_MASK_V4
#define METER_GET_PROPERTIES1_SCALE_MASK_V4
#define METER_GET_PROPERTIES1_SCALE_SHIFT_V4
#define METER_GET_PROPERTIES1_RATE_TYPE_MASK_V4
#define METER_GET_PROPERTIES1_RATE_TYPE_SHIFT_V4
#define METER_GET_RATE_TYPE_RESERVED_V4
#define METER_GET_RATE_TYPE_IMPORT_V4
#define METER_GET_RATE_TYPE_EXPORT_V4
#define METER_GET_RATE_TYPE_NOT_TO_BE_USED_V4
/* Values used for Meter_Report_command */
#define_METER_REPORT_PROPERTIES1_METER_TYPE_MASK
                                                                                                                                                                                                                                                                                                0x07
                                                                                                                                                                                                                                                                                                0x38
                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                0xC0
                                                                                                                                                                                                                                                                                                0x06
                                                                                                                                                                                                                                                                                               0x00
                                                                                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                                                                                0 \times 02
                                                                                                                                                                                                                                                                                                0x03
 #define METER REPORT PROPERTIES1 METER TYPE MASK V4 #define METER REPORT METER TYPE RESERVED V4 #define METER REPORT METER TYPE ELECTRIC METER V4
                                                                                                                                                                                                                                                                                                0x1F
                                                                                                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                                                                                                0x01
 #define METER REPORT METER TYPE GAS METER V4
#define METER REPORT METER TYPE WATER METER V4
#define METER REPORT PROPERTIES1 RATE TYPE MASK V4
#define METER REPORT PROPERTIES1 RATE TYPE SHIFT V4
                                                                                                                                                                                                                                                                                                0 \times 0.2
                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                0x60
                                                                                                                                                                                                                                                                                                0x05
#define METER_REPORT_PROPERTIES1_RATE_TYPE_SHIFT_V4
#define METER_REPORT_RATE_TYPE_RESERVED_V4
#define METER_REPORT_RATE_TYPE_IMPORT_V4
#define METER_REPORT_RATE_TYPE_SERVED_V4
#define METER_REPORT_RATE_TYPE_NOT_TO_BE_USED_V4
#define METER_REPORT_PROPERTIES1_SCALE_BIT_2_BIT_MASK_V4
#define METER_REPORT_PROPERTIES2_SIZE_MASK_V4
#define METER_REPORT_PROPERTIES2_SIZE_MASK_V4
#define METER_REPORT_PROPERTIES2_SCALE_BITS_10_MASK_V4
#define METER_REPORT_PROPERTIES2_PRECISION_MASK_V4
#define METER_REPORT_PROPERTIES2_PRECISION_SHIFT_V4
#define METER_REPORT_PROPERTIES2_PRECISION_SHIFT_V4
#define METER_REPORT_PROPERTIES2_PRECISION_SHIFT_V4
#define METER_REPORT_PROPERTIES2_PRECISION_SHIFT_V4
# Values_used_for_Meter_Supported_Report_command_*/
                                                                                                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                                                                                                0 \times 01
                                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                0x80
                                                                                                                                                                                                                                                                                                0x07
                                                                                                                                                                                                                                                                                                0x18
                                                                                                                                                                                                                                                                                                0 \times 0.3
                                                                                                                                                                                                                                                                                                0xE0
                                                                                                                                                                                                                                                                                                0x05
  /* Values used for Meter Supported Report command */
  #define METER_SUPPORTED_REPORT_PROPERTIES1_METER_TYPE_MASK_V4
                                                                                                                                                                                                                                                                                                0x1F
#define METER SUPPORTED REPORT PROPERTIES1 METER TYPE MASK V4
#define METER SUPPORTED REPORT METER TYPE RESERVED V4
#define METER SUPPORTED REPORT METER TYPE ELECTRIC METER V4
#define METER SUPPORTED REPORT METER TYPE GAS METER V4
#define METER SUPPORTED REPORT METER TYPE WATER METER V4
#define METER SUPPORTED REPORT PROPERTIES1 RATE TYPE MASK V4
#define METER SUPPORTED REPORT PROPERTIES1 RATE TYPE SHIFT V4
#define METER SUPPORTED REPORT RATE TYPE RESERVED V4
#define METER SUPPORTED REPORT RATE TYPE IMPORT ONLY V4
#define METER SUPPORTED REPORT RATE TYPE EXPORT ONLY V4
#define METER SUPPORTED REPORT RATE TYPE IMPORT AND EXPORT V4
#define METER SUPPORTED REPORT RATE TYPE SUPPORTED ASK V4
#define METER SUPPORTED REPORT PROPERTIES2 METER RESET BIT MASK V4
#define METER SUPPORTED REPORT PROPERTIES2 METER RESET BIT MASK V4
#define METER SUPPORTED REPORT PROPERTIES2 METER MASK V4
#define METER SUPPORTED REPORT PROPERTIES2 METER MASK V4
                                                                                                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                0x60
                                                                                                                                                                                                                                                                                               0x05
                                                                                                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                                                                                                0 \times 0.1
                                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                0x7F
 #define METER_SUPPORTED_REPORT_PROPERTIES2_M_S_T_BIT_MASK_V4
                                                                                                                                                                                                                                                                                                0x80
  /* Mtp Window Covering command class commands */
 #define MTP WINDOW COVERING VERSION
                                                                                                                                                                                                                                                                                                0x01
 #define MOVE_TO_POSITION_GET
#define MOVE_TO_POSITION_REPORT
#define MOVE_TO_POSITION_SET
                                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                0 \times 01
  /* Multi Channel Association command class commands */
```

```
#define MULTI CHANNEL ASSOCIATION VERSION V2
                                                                                                                                                          0x02
#define MULTI_CHANNEL_ASSOCIATION_GET_V2
#define MULTI_CHANNEL_ASSOCIATION_GROUPINGS_GET_V2
                                                                                                                                                          0x02
                                                                                                                                                          0x05
#define MULTI_CHANNEL_ASSOCIATION_GROUPINGS_REPORT_V2 #define MULTI_CHANNEL_ASSOCIATION_REMOVE_V2
                                                                                                                                                          0×06
                                                                                                                                                          0x04
#define MULTI_CHANNEL_ASSOCIATION_REPORT_V2
#define MULTI_CHANNEL_ASSOCIATION_SET_V2
                                                                                                                                                          0x03
                                                                                                                                                          0x01
 /* Values used for Multi Channel Association Remove command */
 #define MULTI_CHANNEL_ASSOCIATION_REMOVE_MARKER_V2
                                                                                                                                                          0x00 /*This marker
identifier is used to separate between nodes without and with end points attached. This field can be omitted in
case no Multi Channel node follows.*/
 /* Values used for Multi Channel Association Report command */
 #define MULTI CHANNEL ASSOCIATION REPORT MARKER V2
identifier is used to separate between nodes without and with end points attached. This field can be omitted in
case no Multi Channel node follows.*/
/* Values used for Multi Channel Association Set command */#define MULTI_CHANNEL_ASSOCIATION_SET_MARKER_V2
                                                                                                                                                          0x00 /*This marker
identifier is used to separate between nodes without and with end points attached. This field can be omitted in case no Multi Channel node follows.*/
/* Multi Channel Association command class commands */
#define MULTI_CHANNEL_ASSOCIATION_VERSION_V3
#define MULTI_CHANNEL_ASSOCIATION_GET_V3
#define MULTI_CHANNEL_ASSOCIATION_GROUPINGS_GET_V3
                                                                                                                                                          0x03
                                                                                                                                                          0x02
                                                                                                                                                          0x05
 #define MULTI CHANNEL ASSOCIATION GROUPINGS REPORT V3
                                                                                                                                                          0x06
#define MULTI_CHANNEL_ASSOCIATION_GEMOVE_V3
#define MULTI_CHANNEL_ASSOCIATION_REMOVE_V3
#define MULTI_CHANNEL_ASSOCIATION_SET_V3
/* Values used for Multi Channel Association Remove command */
                                                                                                                                                          0x04
                                                                                                                                                          0 \times 03
                                                                                                                                                          0 \times 0.1
 #define MULTI_CHANNEL_ASSOCIATION_REMOVE_MARKER_V3
                                                                                                                                                          0x00 /*This marker
identifier is used to separate between nodes without and with end points attached. This field can be omitted in
case no Multi Channel node follows.*/
0x00 /*This marker
identifier is used to separate between nodes without and with end points attached. This field can be omitted in case no Multi Channel node follows.*/
 /* Values used for Multi Channel Association Set command */
#define MULTI_CHANNEL_ASSOCIATION_SET_MARKER_V3
                                                                                                                                                          0x00 /*This marker
identifier is used to separate between nodes without and with end points attached. This field can be omitted in case no Multi Channel node follows.*/
 /* Multi Channel command class commands */
#define MULTI_CHANNEL_VERSION_V2
#define MULTI_CHANNEL_CAPABILITY_GET_V2
                                                                                                                                                          0x02
#define MULTI_CHANNEL_CAPABILITY_GET_V2
#define MULTI_CHANNEL_CAPABILITY_REPORT_V2
#define MULTI_CHANNEL_CMD_ENCAP_V2
#define MULTI_CHANNEL_END_POINT_FIND_V2
#define MULTI_CHANNEL_END_POINT_FIND_REPORT_V2
#define MULTI_CHANNEL_END_POINT_GET_V2
#define MULTI_CHANNEL_END_POINT_REPORT_V2
#define MULTI_INSTANCE_CMD_ENCAP_V2
#define MULTI_INSTANCE_GET_V2
#define MULTI_INSTANCE_GET_V2
/* Values_used_for_Multi_Channel_Capability_Get
                                                                                                                                                          0x09
                                                                                                                                                          0 \times 0 A
                                                                                                                                                          0x0D
                                                                                                                                                          0x0B
                                                                                                                                                          0x0C
                                                                                                                                                          0 \times 0.7
                                                                                                                                                          0×08
                                                                                                                                                          0x06
                                                                                                                                                          0x04
                                                                                                                                                          0x05
 /* Values used for Multi Channel Capability Get command */
/* Values used for Multi Channel capability Get Command /
#define MULTI CHANNEL CAPABILITY GET PROPERTIES1 END POINT MASK V2
#define MULTI CHANNEL CAPABILITY GET PROPERTIES1 RES BIT MASK V2
/* Values used for Multi Channel Capability Report command */
#define MULTI CHANNEL CAPABILITY REPORT PROPERTIES1 END POINT MASK V2
                                                                                                                                                          0x7F
                                                                                                                                                          0 \times 80
                                                                                                                                                          0x7F
#define MULTI_CHANNEL_CAPABILITY_REPORT_PROPERTIESI_DYNAMIC_BIT_MASK_V2 /* Values used for Multi Channel Cmd Encap command */
                                                                                                                                                          0x80
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES1_SOURCE_END_POINT_MASK_V2
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES1_RES_BIT_MASK_V2
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES2_DESTINATION_END_POINT_MASK_V2
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES2_BIT_ADDRESS_BIT_MASK_V2

/* Values used for Multi_Channel End Point Report command */
#define MULTI_CHANNEL_END_POINT_BEDDET_BEDET_BEST_NEST_MASK_V2
                                                                                                                                                          0 \times 7 F
                                                                                                                                                          0x80
                                                                                                                                                          0x7F
                                                                                                                                                          0x80
 #define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_RES1_MASK_V2
                                                                                                                                                          0x3F
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_IDENTICAL_BIT_MASK_V2
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_DYNAMIC_BIT_MASK_V2
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES2_END_POINTS_MASK_V2
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES2_RES2_BIT_MASK_V2
                                                                                                                                                          0x40
                                                                                                                                                          0×80
                                                                                                                                                          0x7F
                                                                                                                                                          0x80
 /* Values used for Multi Instance Cmd Encap command */
#define MULTI_INSTANCE_CMD_ENCAP_PROPERTIES1_INSTANCE_MASK_V2
#define MULTI_INSTANCE_CMD_ENCAP_PROPERTIES1_RES_BIT_MASK_V2
                                                                                                                                                          0x7F
                                                                                                                                                          0x80
 /* Values used for Multi Instance Report command */
#define MULTI_INSTANCE_REPORT_PROPERTIES1_INSTANCES_MASK_V2
                                                                                                                                                          0×7F
 #define MULTI INSTANCE REPORT PROPERTIES1 RES BIT MASK V2
                                                                                                                                                          0x80
/* Multi Channel command class commands */
#define MULTI_CHANNEL_VERSION_V3
#define MULTI_CHANNEL_CAPABILITY_GET_V3
#define MULTI_CHANNEL_CAPABILITY_REPORT_V3
                                                                                                                                                          0×03
                                                                                                                                                          0x09
                                                                                                                                                          0x0A
```

```
#define MULTI CHANNEL CMD ENCAP V3
                                                                                                                                                                                                                                                                                                                                                 0x0D
#define MULTI_CHANNEL_CMD_ENCAP_V3
#define MULTI_CHANNEL_END_POINT_FIND_V3
#define MULTI_CHANNEL_END_POINT_FIND_REPORT_V3
#define MULTI_CHANNEL_END_POINT_REPORT_V3
#define MULTI_CHANNEL_END_POINT_REPORT_V3
#define MULTI_INSTANCE_CMD_ENCAP_V3
#define MULTI_INSTANCE_GET_V3
#define MULTI_INSTANCE_REPORT_V3

/* Values_used_for_Multi_Channel_Capability_Get
                                                                                                                                                                                                                                                                                                                                                 0x0B
                                                                                                                                                                                                                                                                                                                                                 0x0C
                                                                                                                                                                                                                                                                                                                                                 0x07
                                                                                                                                                                                                                                                                                                                                                 0x08
                                                                                                                                                                                                                                                                                                                                                 0x06
                                                                                                                                                                                                                                                                                                                                                 0x04
                                                                                                                                                                                                                                                                                                                                                 0x05
#define MULTI_INSTANCE_REPORT_V3

/* Values used for Multi Channel Capability Get command */
#define MULTI_CHANNEL_CAPABILITY_GET_PROPERTIES1_END_POINT_MASK_V3

#define MULTI_CHANNEL_CAPABILITY_GET_PROPERTIES1_RES_BIT_MASK_V3

/* Values used for Multi Channel Capability Report command */
#define MULTI_CHANNEL_CAPABILITY_REPORT_PROPERTIES1_END_POINT_MASK_V3

#define MULTI_CHANNEL_CAPABILITY_REPORT_PROPERTIES1_DYNAMIC_BIT_MASK_V3

/* Values used for Multi Channel Cmd Encap_command */
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES1_SOURCE_END_POINT_MASK_V3

#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES1_RES_BIT_MASK_V3

#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES2_DESTINATION_END_POINT_MASK_V3

#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES2_BIT_ADDRESS_BIT_MASK_V3

/* Values used for Multi Channel End Point Report command */
                                                                                                                                                                                                                                                                                                                                                 0×7F
                                                                                                                                                                                                                                                                                                                                                 0x80
                                                                                                                                                                                                                                                                                                                                                 0x7F
                                                                                                                                                                                                                                                                                                                                                 0x80
                                                                                                                                                                                                                                                                                                                                                 0 \times 7 F
                                                                                                                                                                                                                                                                                                                                                 0x80
                                                                                                                                                                                                                                                                                                                                                 0x7F
                                                                                                                                                                                                                                                                                                                                                 0x80
  /* Values used for Multi Channel End Point Report command */
 #define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_RES1_MASK_V3
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_IDENTICAL_BIT_MASK_V3
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_DYNAMIC_BIT_MASK_V3
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES2_END_POINTS_MASK_V3
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES2_RES2_BIT_MASK_V3
                                                                                                                                                                                                                                                                                                                                                 0 \times 3 F
                                                                                                                                                                                                                                                                                                                                                 0x40
                                                                                                                                                                                                                                                                                                                                                 0x80
                                                                                                                                                                                                                                                                                                                                                 0x7F
                                                                                                                                                                                                                                                                                                                                                 0x80
 /* Values used for Multi Instance Cmd Encap command */
#define MULTI_INSTANCE_CMD_ENCAP_PROPERTIES1_INSTANCE_MASK_V3
#define MULTI_INSTANCE_CMD_ENCAP_PROPERTIES1_RES_BIT_MASK_V3
/* Values used for Multi Instance Report command */
                                                                                                                                                                                                                                                                                                                                                 0 \times 7 F
                                                                                                                                                                                                                                                                                                                                                 0x80
  #define MULTI_INSTANCE_REPORT_PROPERTIES1_INSTANCES_MASK_V3
                                                                                                                                                                                                                                                                                                                                                 0x7F
  #define MULTI INSTANCE REPORT PROPERTIES1 RES BIT MASK V3
                                                                                                                                                                                                                                                                                                                                                 0x80
/* Multi Channel command class commands */
#define MULTI_CHANNEL_VERSION_V4
#define MULTI_CHANNEL_CAPABILITY_GET_V4
#define MULTI_CHANNEL_CAPABILITY_REPORT_V4
                                                                                                                                                                                                                                                                                                                                                 0x04
                                                                                                                                                                                                                                                                                                                                                 0x09
                                                                                                                                                                                                                                                                                                                                                 0x0A
  #define MULTI_CHANNEL_CMD_ENCAP_V4
                                                                                                                                                                                                                                                                                                                                                 0x0D
 #define MULTI_CHANNEL_END_POINT_FIND_V4
#define MULTI_CHANNEL_END_POINT_FIND_REPORT_V4
#define MULTI_CHANNEL_END_POINT_GET_V4
#define MULTI_CHANNEL_END_POINT_REPORT_V4
                                                                                                                                                                                                                                                                                                                                                 0x0B
                                                                                                                                                                                                                                                                                                                                                 0×0C
                                                                                                                                                                                                                                                                                                                                                 0x07
                                                                                                                                                                                                                                                                                                                                                 0x08
  #define MULTI_INSTANCE_CMD_ENCAP_V4
#define MULTI_INSTANCE_GET_V4
                                                                                                                                                                                                                                                                                                                                                 0x06
#define MULTI_INSTANCE_GET_V4
#define MULTI_INSTANCE_REPORT_V4
#define MULTI_INSTANCE_REPORT_V4
#define MULTI_CHANNEL_AGGREGATED_MEMBERS_GET_V4
#define MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_V4
/* Values used for Multi_Channel_Capability_Get_command */
#define MULTI_CHANNEL_CAPABILITY_GET_PROPERTIES1_END_POINT_MASK_V4
#define MULTI_CHANNEL_CAPABILITY_GET_PROPERTIES1_RES_BIT_MASK_V4
/* Values used for Multi_Channel_Capability_Report_command */
#define MULTI_CHANNEL_CAPABILITY_REPORT_PROPERTIES1_END_POINT_MASK_V4
#define MULTI_CHANNEL_CAPABILITY_REPORT_PROPERTIES1_DN_POINT_MASK_V4
/* Values used for Multi_Channel_Cmd_Encap_properties1_source_End_point_MASK_V4
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES1_SOURCE_END_POINT_MASK_V4
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES1_RES_BIT_MASK_V4
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES2_DESTINATION_END_POINT_MASK_V4
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES2_BIT_ADDRESS_BIT_MASK_V4
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES2_BIT_ADDRESS_BIT_MASK_V4
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES2_BIT_ADDRESS_BIT_MASK_V4
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES2_BIT_ADDRESS_BIT_MASK_V4
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_RES1_MASK_V4
                                                                                                                                                                                                                                                                                                                                                 0x04
                                                                                                                                                                                                                                                                                                                                                 0 \times 0.5
                                                                                                                                                                                                                                                                                                                                                 0 \times 0 E
                                                                                                                                                                                                                                                                                                                                                 0x0F
                                                                                                                                                                                                                                                                                                                                                 0x7F
                                                                                                                                                                                                                                                                                                                                                 0x80
                                                                                                                                                                                                                                                                                                                                                 0x7F
                                                                                                                                                                                                                                                                                                                                                 0x80
                                                                                                                                                                                                                                                                                                                                                 0x7F
                                                                                                                                                                                                                                                                                                                                                 0x80
                                                                                                                                                                                                                                                                                                                                                 0 \times 7 F
                                                                                                                                                                                                                                                                                                                                                 0x80
/* Values used for Multi Channel End Point Report command */
#define Multi_Channel_End_Point_REPORT_PROPERTIES1_RES1_MASK_V4
#define Multi_Channel_End_Point_REPORT_PROPERTIES1_IDENTICAL_BIT_MASK_V4
#define Multi_Channel_End_Point_REPORT_PROPERTIES1_DYNAMIC_BIT_MASK_V4
#define Multi_Channel_End_Point_REPORT_PROPERTIES2_INDIVIDUAL_ENd_Points_MASK_V4
#define Multi_Channel_End_Point_REPORT_PROPERTIES2_RES2_BIT_MASK_V4
#define Multi_Channel_End_Point_REPORT_PROPERTIES3_AGGREGATED_ENd_Points_MASK_V4
#define Multi_Channel_End_Point_REPORT_PROPERTIES3_RES3_BIT_MASK_V4
                                                                                                                                                                                                                                                                                                                                                 0x3F
                                                                                                                                                                                                                                                                                                                                                 0x40
                                                                                                                                                                                                                                                                                                                                                 0x80
                                                                                                                                                                                                                                                                                                                                                 0x7F
                                                                                                                                                                                                                                                                                                                                                 0x80
                                                                                                                                                                                                                                                                                                                                                 0x7F
                                                                                                                                                                                                                                                                                                                                                 0x80
 /* Values used for Multi Instance Cmd Encap command */
#define MULTI_INSTANCE_CMD_ENCAP_PROPERTIES1_INSTANCE_MASK_V4
#define MULTI_INSTANCE_CMD_ENCAP_PROPERTIES1_RES_BIT_MASK_V4
/* Values used for Multi Instance Report command */
                                                                                                                                                                                                                                                                                                                                                 0x7F
                                                                                                                                                                                                                                                                                                                                                 0 \times 80
  #define MULTI INSTANCE_REPORT_PROPERTIES1_INSTANCES_MASK_V4
                                                                                                                                                                                                                                                                                                                                                 0x7F
  #define MULTI_INSTANCE_REPORT_PROPERTIES1_RES_BIT_MASK_V4
                                                                                                                                                                                                                                                                                                                                                 0x80
 #define MULTI_CHANNEL_AGGREGATED_MEMBERS_GET_PROPERTIES1_AGGREGATED_END_POINT_MASK_V4
#define MULTI_CHANNEL_AGGREGATED_MEMBERS_GET_PROPERTIES1_RES_BIT_MASK_V4
/* Values used for Multi Channel Aggregated Members Report command */
                                                                                                                                                                                                                                                                                                                                                 0 \times 7 F
                                                                                                                                                                                                                                                                                                                                                 0x80
  #define MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_PROPERTIES1_AGGREGATED_END_POINT_MASK_V4 0x7F
#define MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_PROPERTIES1_RES_BIT_MASK_V4 0x80
 /* Multi Cmd command class commands */
#define MULTI_CMD_VERSION
#define MULTI_CMD_ENCAP
                                                                                                                                                                                                                                                                                                                                                 0x01
                                                                                                                                                                                                                                                                                                                                                 0x01
```

```
/* Multi Instance Association command class commands */
 #define MULTI_INSTANCE_ASSOCIATION_VERSION
                                                                                                                                                                                                                                          0x01
 #define MULTI_INSTANCE_ASSOCIATION_GET
#define MULTI_INSTANCE_ASSOCIATION_GROUPINGS_GET
#define MULTI_INSTANCE_ASSOCIATION_GROUPINGS_REPORT
#define MULTI_INSTANCE_ASSOCIATION_REMOVE
                                                                                                                                                                                                                                          0 \times 0.2
                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                          0x06
                                                                                                                                                                                                                                          0x04
  #define MULTI_INSTANCE_ASSOCIATION_REPORT
                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                         0x01
 #define MULTI_INSTANCE_ASSOCIATION_SET
  /* Values used for Multi Instance Association Remove command */
 #define MULTI_INSTANCE_ASSOCIATION_REMOVE_MARKER
                                                                                                                                                                                                                                          0x00 /*This marker
identifier is used to separate between nodes without and with end points attached. This field can be omitted in case no Multi Channel node follows.*/
  /* Values used for Multi Instance Association Report command */
 #define MULTI_INSTANCE_ASSOCIATION_REPORT_MARKER
                                                                                                                                                                                                                                         0x00 /*This marker
identifier is used to separate between nodes without and with end points attached. This field can be omitted in case no Multi Channel node follows.*/
  /* Values used for Multi Instance Association Set command */
  #define MULTI_INSTANCE_ASSOCIATION_SET_MARKER
                                                                                                                                                                                                                                          0x00 /*This marker
 identifier is used to separate between nodes without and with end points attached. This field can be omitted in
 case no Multi Channel node follows.*/
  /* Multi Instance command class commands */
 #define MULTI_INSTANCE_VERSION
#define MULTI_INSTANCE_CMD_ENCAP
                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                          0x06
 #define MULTI_INSTANCE_GET
#define MULTI_INSTANCE_REPORT
                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                          0 \times 0.5
  /* Network Management Proxy command class commands */
 #define NETWORK_MANAGEMENT_PROXY_VERSION
                                                                                                                                                                                                                                          0x01
 #define NODE_INFO_CACHED_GET
#define NODE_INFO_CACHED_REPORT
                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                          0 \times 0.4
 #define NODE_LIST_GET
#define NODE_LIST_REPORT
                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                          0x02
   /* Values used for Node Info Cached Get command */
  #define NODE INFO CACHED GET PROPERTIES1 MAX AGE MASK
                                                                                                                                                                                                                                          0x0F
 #define NODE_INFO_CACHED_GET_PROPERTIES1_RESERVED_MASK
                                                                                                                                                                                                                                          0xF0
#define NODE_INFO_CACHED_GET_PROPERTIES1_RESERVED_MASK
#define NODE_INFO_CACHED_GET_PROPERTIES1_RESERVED_SHIFT

/* Values used for Node Info Cached Report command */
#define NODE_INFO_CACHED_REPORT_PROPERTIES1_AGE_MASK
#define NODE_INFO_CACHED_REPORT_PROPERTIES1_STATUS_MASK
#define NODE_INFO_CACHED_REPORT_PROPERTIES1_STATUS_SHIFT
#define NODE_INFO_CACHED_REPORT_STATUS_STATUS_OK
#define NODE_INFO_CACHED_REPORT_STATUS_STATUS_NOT_RESPONDING
#define NODE_INFO_CACHED_REPORT_STATUS_STATUS_UNKNOWN
#define NODE_INFO_CACHED_REPORT_PROPERTIES2_CAPABILITY_MASK
#define NODE_INFO_CACHED_REPORT_PROPERTIES2_LISTENING_BIT_MASK
#define NODE_INFO_CACHED_REPORT_PROPERTIES3_SECURITY_MASK
#define NODE_INFO_CACHED_REPORT_PROPERTIES3_SECURITY_MASK
#define NODE_INFO_CACHED_REPORT_PROPERTIES3_SENSOR_MASK
                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                          0x0F
                                                                                                                                                                                                                                          0xF0
                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                          0x00
                                                                                                                                                                                                                                          0 \times 01
                                                                                                                                                                                                                                          0 \times 0.2
                                                                                                                                                                                                                                          0x7F
                                                                                                                                                                                                                                          0x80
                                                                                                                                                                                                                                          0x0F
#define NODE INFO CACHED REPORT PROPERTIES3 SENSOR MASK #define NODE INFO CACHED REPORT PROPERTIES3 SENSOR SHIFT #define NODE INFO CACHED REPORT_PROPERTIES3 OPT_BIT_MASK #define NODE INFO CACHED REPORT_SECURITY_SCHEME_0_MARK
                                                                                                                                                                                                                                          0x70
                                                                                                                                                                                                                                          0 \times 0.4
                                                                                                                                                                                                                                          0x80
                                                                                                                                                                                                                                          0xF100
 /* Network Management Proxy command class commands */
#define NoTE INFO CACHED GET V2
#define NODE INFO CACHED GET V2
#define NODE_INFO_CACHED_REPORT_V2
#define NODE_LIST_GET_V2
                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                          0 \times 0.3
                                                                                                                                                                                                                                          0 \times 0.4
                                                                                                                                                                                                                                          0x01
#define NODE_LIST_GET_V2

/* Values used for Node Info Cached Get command */

#define NODE_INFO_CACHED_GET_PROPERTIES1_MAX_AGE_MASK_V2

#define NODE_INFO_CACHED_GET_PROPERTIES1_RESERVED_MASK_V2

#define NODE_INFO_CACHED_GET_PROPERTIES1_RESERVED_MASK_V2

#define NODE_INFO_CACHED_GET_PROPERTIES1_RESERVED_SHIFT_V2

/* Values used for Node Info Cached Report command */

#define NODE_INFO_CACHED_REPORT_PROPERTIES1_AGE_MASK_V2

#define NODE_INFO_CACHED_REPORT_PROPERTIES1_STATUS_MASK_V2

#define NODE_INFO_CACHED_REPORT_PROPERTIES1_STATUS_SHIFT_V2

#define NODE_INFO_CACHED_REPORT_PROPERTIES1_STATUS_SHIFT_V2

#define NODE_INFO_CACHED_REPORT_STATUS_STATUS_NOT_RESPONDING_V2

#define NODE_INFO_CACHED_REPORT_STATUS_STATUS_UNKNOWN_V2

#define NODE_INFO_CACHED_REPORT_PROPERTIES2_CAPABILITY_MASK_V2

#define NODE_INFO_CACHED_REPORT_PROPERTIES2_LISTENING_BIT_MASK_V2

#define NODE_INFO_CACHED_REPORT_PROPERTIES3_SECURITY_MASK_V2

#define NODE_INFO_CACHED_REPORT_PROPERTIES3_SENSOR_MASK_V2

#define NODE_INFO_CACHED_REPORT_PROPERTIES3_SENSOR_SHIFT_V2

#define NODE_INFO_CACHED_REPORT_PROPERTIES3_SENSOR_SHIFT_V2

#define NODE_INFO_CACHED_REPORT_PROPERTIES3_OPT_BIT_MASK_V2

#define NODE_INFO_CACHED_REPORT_PROPERTIES3_OPT_BIT_MASK_V2
  #define NODE_LIST_REPORT_V2
                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                         0x0F
                                                                                                                                                                                                                                          0xF0
                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                          0x0F
                                                                                                                                                                                                                                          0xF0
                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                          0 \times 0.0
                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                          0x7F
                                                                                                                                                                                                                                          0x80
                                                                                                                                                                                                                                          0x0F
                                                                                                                                                                                                                                          0x70
                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                          0x80
                                                                                                                                                                                                                                          0xF100
 /* Network Management Basic command class commands */#define NETWORK_MANAGEMENT_BASIC_VERSION
                                                                                                                                                                                                                                          0x01
 #define LEARN MODE SET
                                                                                                                                                                                                                                          0x01
```

```
#define LEARN MODE SET STATUS
                                                                                                                                                                                                     0x02
 #define NODE_INFORMATION_SEND
                                                                                                                                                                                                     0x05
 #define NETWORK_UPDATE_REQUEST
                                                                                                                                                                                                     0x03
#define NETWORK_UPDATE_REQUEST_STATUS
#define DEFAULT_SET
#define DEFAULT_SET_COMPLETE
                                                                                                                                                                                                     0x04
                                                                                                                                                                                                     0x06
                                                                                                                                                                                                     0x07
 /* Network Management Basic command class commands */
#define NETWORK MANAGEMENT BASIC_VERSION_V2
#define LEARN_MODE_SET_V2
#define LEARN_MODE_SET_STATUS_V2
#define NODE_INFORMATION_SEND_V2
                                                                                                                                                                                                     0x02
                                                                                                                                                                                                     0 \times 01
                                                                                                                                                                                                     0x02
                                                                                                                                                                                                     0x05
 #define NETWORK UPDATE REQUEST V2
                                                                                                                                                                                                     0x03
#define NETWORK_UPDATE_REQUEST_STATUS_V2
#define DEFAULT_SET_V2
#define DEFAULT_SET_COMPLETE_V2
#define DSK_GET_V2
                                                                                                                                                                                                     0x04
                                                                                                                                                                                                     0x06
                                                                                                                                                                                                     0 \times 0.7
                                                                                                                                                                                                     0x08
 #define DSK_REPORT_V2
                                                                                                                                                                                                     0x09
 /st Network Management Inclusion command class commands st/
#define NETWORK_MANAGEMENT_INCLUSION_VERSION
#define FAILED_NODE_REMOVE
                                                                                                                                                                                                     0x01
                                                                                                                                                                                                     0x07
 #define FAILED_NODE_REMOVE_STATUS
                                                                                                                                                                                                     0x08
 #define NODE ADD
                                                                                                                                                                                                     0x01
 #define NODE ADD STATUS
                                                                                                                                                                                                     0x02
 #define NODE_REMOVE
                                                                                                                                                                                                     0x03
 #define NODE_REMOVE_STATUS
                                                                                                                                                                                                     0 \times 0.4
#define FAILED_NODE_REPLACE
#define FAILED_NODE_REPLACE_STATUS
                                                                                                                                                                                                     0 \times 0.9
                                                                                                                                                                                                     0x0A
 #define NODE_NEIGHBOR_UPDATE_REQUEST
                                                                                                                                                                                                     0x0B
 #define NODE_NEIGHBOR_UPDATE_STATUS
                                                                                                                                                                                                     0x0C
 #define RETURN_ROUTE_ASSIGN
                                                                                                                                                                                                     0x0D
#define RETURN_ROUTE_ASSIGN_COMPLETE #define RETURN_ROUTE_DELETE
                                                                                                                                                                                                     0x0E
                                                                                                                                                                                                     0x0F
#define RETURN_ROUTE_DELETE_COMPLETE
/* Values used for Node Add Status command */
                                                                                                                                                                                                     0x10
 #define NODE_ADD_STATUS_PROPERTIES1_CAPABILITY_MASK
                                                                                                                                                                                                     0x7F
#define NODE_ADD_STATUS_PROPERTIES1_LISTENING_BIT_MASK
#define NODE_ADD_STATUS_PROPERTIES2_SECURITY_MASK
#define NODE_ADD_STATUS_PROPERTIES2_OPT_BIT_MASK
                                                                                                                                                                                                     0x80
                                                                                                                                                                                                     0 \times 7 F
                                                                                                                                                                                                     0x80
 /st Network Management Inclusion command class commands st/
#define NETWORK_MANAGEMENT_INCLUSION_VERSION_V2
#define FAILED_NODE_REMOVE_V2
                                                                                                                                                                                                     0x02
                                                                                                                                                                                                     0x07
#define FAILED_NODE_REMOVE_STATUS_V2
#define NODE_ADD_V2
#define NODE_ADD_STATUS_V2
                                                                                                                                                                                                     0 \times 0 8
                                                                                                                                                                                                     0x01
                                                                                                                                                                                                     0x02
#define NODE_REMOVE_V2
#define NODE_REMOVE_V2
#define FAILED_NODE_REPLACE_V2
#define FAILED_NODE_REPLACE_STATUS_V2
                                                                                                                                                                                                     0x03
                                                                                                                                                                                                     0x04
                                                                                                                                                                                                     0×09
                                                                                                                                                                                                     0x0A
#define NODE_NEIGHBOR_UPDATE_REQUEST_V2
#define NODE_NEIGHBOR_UPDATE_STATUS_V2
                                                                                                                                                                                                     0x0B
                                                                                                                                                                                                     0x0C
 #define RETURN_ROUTE_ASSIGN_V2
                                                                                                                                                                                                     0x0D
 #define RETURN_ROUTE_ASSIGN_COMPLETE_V2
                                                                                                                                                                                                     0x0E
#define RETURN_ROUTE_DELETE_V2
#define RETURN_ROUTE_DELETE_V2
#define NODE_ADD_KEYS_REPORT_V2
#define NODE_ADD_KEYS_SET_V2
#define NODE_ADD_DSK_REPORT_V2
                                                                                                                                                                                                     0x0F
                                                                                                                                                                                                     0 \times 10
                                                                                                                                                                                                     0x11
                                                                                                                                                                                                     0x12
                                                                                                                                                                                                     0x13
#define NODE_ADD_DSK_SET_V2

#define NODE_ADD_DSK_SET_V2

/* Values used for Node Add Status command */

#define NODE_ADD_STATUS_PROPERTIES1_CAPABILITY_MASK_V2

#define NODE_ADD_STATUS_PROPERTIES1_LISTENING_BIT_MASK_V2

#define NODE_ADD_STATUS_PROPERTIES2_SECURITY_MASK_V2

#define NODE_ADD_STATUS_PROPERTIES2_OPT_BIT_MASK_V2

#define NODE_ADD_STATUS_SECURITY_MARK_V2

/* Values used for Node Add Keys_Report_command */

#define NODE_ADD_KEYS_REPORT_PROPERTIES1_RESURITS_LIENT_SIDE_AUTHENTICATION_BIT_MASK_V2

#define NODE_ADD_KEYS_REPORT_PROPERTIES1_RESERVED_MASK_V2

#define NODE_ADD_KEYS_REPORT_PROPERTIES1_RESERVED_MASK_V2

#define NODE_ADD_KEYS_REPORT_PROPERTIES1_RESERVED_MASK_V2
                                                                                                                                                                                                     0 \times 14
                                                                                                                                                                                                     0x7F
                                                                                                                                                                                                     0x80
                                                                                                                                                                                                     0x7F
                                                                                                                                                                                                     0x80
                                                                                                                                                                                                     0xF100
                                                                                                                                                                                                     0x01
                                                                                                                                                                                                     0xFE
 #define NODE_ADD_KEYS_REPORT_PROPERTIES1_RESERVED_SHIFT_V2
#define NODE_ADD_KEYS_REPORT_PROPERTIES1_RESERVED_SHIFT_V2

/* Values used for Node Add Keys Set command */
#define NODE_ADD_KEYS_SET_PROPERTIES1_ACCEPT_BIT_MASK_V2
#define NODE_ADD_KEYS_SET_PROPERTIES1_GRANT_CLIENT_SIDE_AUTHENTICATION_BIT_MASK_V2
#define NODE_ADD_KEYS_SET_PROPERTIES1_RESERVED_MASK_V2
#define NODE_ADD_KEYS_SET_PROPERTIES1_RESERVED_SHIFT_V2

/* Values used for Node Add Dsk Report_command */
#define NODE_ADD_DSK_REPORT_PROPERTIES1_INPUT_DSK_LENGTH_MASK_V2
#define NODE_ADD_DSK_REPORT_PROPERTIES1_RESERVED_MASK_V2
#define NODE_ADD_DSK_REPORT_PROPERTIES1_RESERVED_SHIFT_V2

/* Values_used_for_Node_Add_Dsk_Set_command_*/
* Values_used_for_Node_Add_Dsk_Set_command_*/
                                                                                                                                                                                                     0 \times 0.1
                                                                                                                                                                                                     0x02
                                                                                                                                                                                                     0×FC
                                                                                                                                                                                                     0x02
                                                                                                                                                                                                     0x0F
                                                                                                                                                                                                     0xF0
                                                                                                                                                                                                     0x04
      Values used for Node Add Dsk Set command */
```

```
#define NODE ADD DSK SET PROPERTIES1 INPUT DSK LENGTH MASK V2
                                                                                                                                                                                         0x0F
#define NODE ADD DSK SET PROPERTIES1 RESERVED MASK V2 #define NODE ADD DSK SET PROPERTIES1 RESERVED SHIFT V2
                                                                                                                                                                                         0x70
                                                                                                                                                                                         0x04
#define NODE_ADD_DSK_SET_PROPERTIES1_ACCEPT_BIT_MASK_V2
                                                                                                                                                                                         0x80
 /* No Operation command class commands */
#define NO OPERATION VERSION
                                                                                                                                                                                         0x01
 /* Node Naming command class commands */
#define NODE_NAMING_VERSION
#define NODE_NAMING_NODE_LOCATION_REPORT
#define NODE_NAMING_NODE_LOCATION_SET
#define NODE_NAMING_NODE_LOCATION_GET
#define NODE_NAMING_NODE_NAME_GET
                                                                                                                                                                                         0 \times 01
                                                                                                                                                                                         0x06
                                                                                                                                                                                         0x04
                                                                                                                                                                                         0x05
                                                                                                                                                                                         0x02
#define NODE_NAMING_NODE_NAME_REPORT
                                                                                                                                                                                         0x03
#define NODE_NAMING_NODE_NAME_SET
/* Values used for Node Naming Node Location Report command */
                                                                                                                                                                                         0 \times 01
#define NODE_NAMING_NODE_LOCATION_REPORT_LEVEL_RESERVED_MASK
#define NODE_NAMING_NODE_LOCATION_REPORT_LEVEL_RESERVED_MASK
                                                                                                                                                                                         0x07
                                                                                                                                                                                         0xF8
                                                                                                                                                                                         0x03
 #define NODE_NAMING_NODE_LOCATION_REPORT_LEVEL_RESERVED_SHIFT
/* Values used for Node Naming Node Location Set command */
#define NODE NAMING NODE LOCATION SET LEVEL CHAR PRESENTATION MASK
#define NODE NAMING NODE LOCATION SET LEVEL RESERVED MASK
#define NODE NAMING NODE LOCATION SET LEVEL RESERVED SHIFT
                                                                                                                                                                                         0x07
                                                                                                                                                                                         0xF8
                                                                                                                                                                                         0x03
 /* Values used for Node Naming Node Name Report command */
/* Values used for Node Naming Node Name Report Command */
#define NODE_NAMING_NODE_NAME_REPORT_LEVEL_CHAR_PRESENTATION_MASK
#define NODE_NAMING_NODE_NAME_REPORT_LEVEL_RESERVED_MASK
#define NODE_NAMING_NODE_NAME_REPORT_LEVEL_RESERVED_SHIFT
/* Values used for Node Naming Node Name Set command */
#define NODE_NAMING_NODE_NAME_SET_LEVEL_CHAR_PRESENTATION_MASK
#define NODE_NAMING_NODE_NAME_SET_LEVEL_RESERVED_MASK
#define NODE_NAMING_NODE_NAME_SET_LEVEL_RESERVED_SHIFT
                                                                                                                                                                                         0x07
                                                                                                                                                                                         0xF8
                                                                                                                                                                                         0 \times 0.3
                                                                                                                                                                                         0x07
                                                                                                                                                                                         0xF8
                                                                                                                                                                                         0x03
 /* Non Interoperable command class commands */
#define NON INTEROPERABLE VERSION
                                                                                                                                                                                         0x01
 /* Powerlevel command class commands */
#define POWERLEVEL_VERSION
#define POWERLEVEL GET
                                                                                                                                                                                         0x01
                                                                                                                                                                                         0 \times 02
#define POWERLEVEL_REPORT
#define POWERLEVEL_SET
                                                                                                                                                                                         0x03
                                                                                                                                                                                         0x01
#define POWERLEVEL_TEST_NODE_GET
#define POWERLEVEL_TEST_NODE_REPORT
                                                                                                                                                                                         0x05
                                                                                                                                                                                         0x06
#define POWERLEVEL_TEST_NODE_SET
                                                                                                                                                                                         0x04
/* Values used for Powerlevel Report command */#define POWERLEVEL_REPORT_NORMALPOWER
                                                                                                                                                                                         0x00
#define POWERLEVEL_REPORT_MINUS1DBM
#define POWERLEVEL_REPORT_MINUS2DBM
                                                                                                                                                                                         0x01
                                                                                                                                                                                         0x02
#define POWERLEVEL_REPORT_MINUS3DBM
#define POWERLEVEL_REPORT_MINUS4DBM
#define POWERLEVEL_REPORT_MINUS5DBM
                                                                                                                                                                                         0x03
                                                                                                                                                                                         0 \times 0.4
                                                                                                                                                                                         0x05
#define POWERLEVEL_REPORT_MINUS6DBM
#define POWERLEVEL_REPORT_MINUS7DBM
                                                                                                                                                                                         0x06
                                                                                                                                                                                         0x07
#define POWERLEVEL_REPORT_MINUS8DBM
#define POWERLEVEL_REPORT_MINUS9DBM
                                                                                                                                                                                         0x08
                                                                                                                                                                                         0x09
 ^{\prime \star} Values used for Powerlevel Set command ^{\star \prime}
#define POWERLEVEL_SET_MORMALPOWER
#define POWERLEVEL_SET_MINUS1DBM
                                                                                                                                                                                         0×00
                                                                                                                                                                                         0x01
#define POWERLEVEL_SET_MINUS2DBM
#define POWERLEVEL_SET_MINUS3DBM
                                                                                                                                                                                         0x02
                                                                                                                                                                                         0x03
#define POWERLEVEL_SET_MINUS4DBM
                                                                                                                                                                                         0 \times 0.4
#define POWERLEVEL_SET_MINUS5DBM
#define POWERLEVEL_SET_MINUS5DBM
#define POWERLEVEL_SET_MINUS7DBM
#define POWERLEVEL_SET_MINUS8DBM
                                                                                                                                                                                         0 \times 05
                                                                                                                                                                                         0x06
                                                                                                                                                                                         0x07
                                                                                                                                                                                         0x08
#define POWERLEVEL_SET_MINUS9DBM
                                                                                                                                                                                         0x09
/* Values used for Powerlevel Test Node Report command */
#define POWERLEVEL TEST NODE REPORT ZW TEST NOT A NODEID
#define POWERLEVEL TEST_NODE REPORT ZW TEST_FAILED
#define POWERLEVEL TEST_NODE REPORT ZW TEST_SUCCES
#define POWERLEVEL TEST_NODE REPORT ZW TEST_INPROGRESS
/* Values used for Powerlevel Test Node Set command */
#define POWERLEVEL TEST_NODE SET NODE SET COMMANDOURD
                                                                                                                                                                                         0×00
                                                                                                                                                                                         0x00
                                                                                                                                                                                         0x01
                                                                                                                                                                                         0x02
                                                                                                                                                                                         0x00
#define POWERLEVEL_TEST_NODE_SET_NORMALPOWER
#define POWERLEVEL_TEST_NODE_SET_MINUS1DBM
#define POWERLEVEL_TEST_NODE_SET_MINUS2DBM
                                                                                                                                                                                         0x01
                                                                                                                                                                                         0x02
#define POWERLEVEL_TEST_NODE_SET_MINUS3DBM
#define POWERLEVEL_TEST_NODE_SET_MINUS4DBM
                                                                                                                                                                                         0x03
                                                                                                                                                                                         0x04
#define POWERLEVEL TEST_NODE_SET_MINUS5DBM
#define POWERLEVEL TEST_NODE_SET_MINUS5DBM
#define POWERLEVEL_TEST_NODE_SET_MINUS7DBM
#define POWERLEVEL_TEST_NODE_SET_MINUS8DBM
                                                                                                                                                                                         0x05
                                                                                                                                                                                         0×06
                                                                                                                                                                                         0x07
                                                                                                                                                                                         0x08
```

```
#define POWERLEVEL TEST NODE SET MINUS9DBM
                                                                                                                                                                                                                                                        0x09
 /* Prepayment Encapsulation command class commands */
#define PREPAYMENT_ENCAPSULATION_VERSION #define CMD_ENCAPSULATION
                                                                                                                                                                                                                                                        0 \times 01
                                                                                                                                                                                                                                                        0x01
 /* Prepayment command class commands */
 #define PREPAYMENT_VERSION
                                                                                                                                                                                                                                                        0x01
#define PREPAYMENT BALANCE GET
#define PREPAYMENT BALANCE REPORT
#define PREPAYMENT_SUPPORTED_GET
#define PREPAYMENT_SUPPORTED_REPORT
                                                                                                                                                                                                                                                        0x01
                                                                                                                                                                                                                                                        0 \times 0.2
                                                                                                                                                                                                                                                        0x03
                                                                                                                                                                                                                                                        0x04
   * Values used for Prepayment Balance Get command */
/* Values used for Prepayment Balance Get command */
#define PREPAYMENT_BALANCE_GET_PROPERTIES1_RESERVED_MASK
#define PREPAYMENT_BALANCE_GET_PROPERTIES1_BALANCE_TYPE_MASK
#define PREPAYMENT_BALANCE_GET_PROPERTIES1_BALANCE_TYPE_SHIFT
#define PREPAYMENT_BALANCE_GET_BALANCE_TYPE_UTILITY
                                                                                                                                                                                                                                                        0x3F
                                                                                                                                                                                                                                                        0xC0
                                                                                                                                                                                                                                                        0x06
                                                                                                                                                                                                                                                        0x00
 #define PREPAYMENT_BALANCE_GET_BALANCE_TYPE_MONETARY
/* Values used for Prepayment Balance Report command */
                                                                                                                                                                                                                                                        0x01
/* Values used for Prepayment Balance Report command */
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES1_METER_TYPE_MASK
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES1_BALANCE_TYPE_MASK
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES1_BALANCE_TYPE_SHIFT
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES2_SCALE_MASK
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES2_BALANCE_PRECISION_MASK
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES2_BALANCE_PRECISION_SHIFT
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES3_DEBT_PRECISION_MASK
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES3_DEBT_PRECISION_SHIFT
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES3_DEBT_PRECISION_SHIFT
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES4_RESERVED2_MASK
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES4_RESERVED2_MASK
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES4_RESERVED2_MASK
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES4_RESERVED2_MASK
                                                                                                                                                                                                                                                        0x3F
                                                                                                                                                                                                                                                        0xC0
                                                                                                                                                                                                                                                        0x06
                                                                                                                                                                                                                                                        0x1F
                                                                                                                                                                                                                                                        0xE0
                                                                                                                                                                                                                                                        0x05
                                                                                                                                                                                                                                                        0x1F
                                                                                                                                                                                                                                                        0xE0
                                                                                                                                                                                                                                                        0 \times 0.5
                                                                                                                                                                                                                                                        0x1F
 #define PREPAYMENT BALANCE REPORT PROPERTIES4 EMER CREDIT PRECISION MASK #define PREPAYMENT BALANCE REPORT PROPERTIES4 EMER CREDIT PRECISION SHIFT
                                                                                                                                                                                                                                                        0xE0
                                                                                                                                                                                                                                                        0x05
 ^{\prime \star} Values used for Prepayment Supported Report command ^{\star \prime}
#define PREPAYMENT SUPPORTED REPORT PROPERTIES1 TYPES SUPPORTED MASK #define PREPAYMENT SUPPORTED REPORT PROPERTIES1 RESERVED MASK #define PREPAYMENT SUPPORTED REPORT PROPERTIES1 RESERVED SHIFT
                                                                                                                                                                                                                                                        0×0F
                                                                                                                                                                                                                                                        0xF0
                                                                                                                                                                                                                                                        0x04
 /* Proprietary command class commands */
#define PROPRIETARY_VERSION
#define PROPRIETARY_GET
#define PROPRIETARY_REPORT
#define PROPRIETARY_SET
                                                                                                                                                                                                                                                        0x01
                                                                                                                                                                                                                                                        0 \times 02
                                                                                                                                                                                                                                                        0x03
                                                                                                                                                                                                                                                        0x01
 /* Protection command class commands */
                                                                                                                                                                                                                                                        0x01
#define PROTECTION_VERSION
#define PROTECTION_GET
#define PROTECTION REPORT
                                                                                                                                                                                                                                                        0 \times 0.2
                                                                                                                                                                                                                                                        0x03
 #define PROTECTION SET
                                                                                                                                                                                                                                                        0x01
 /* Values used for Protection Report command */
#define PROTECTION_REPORT_UNPROTECTED
#define PROTECTION_REPORT_PROTECTION_BY_SEQUENCE
#define PROTECTION_REPORT_NO_OPERATION_POSSIBLE
                                                                                                                                                                                                                                                        0x00
                                                                                                                                                                                                                                                        0 \times 01
                                                                                                                                                                                                                                                        0x02
#define PROTECTION_REPORT_NO_OPERATION_POSSIB.
/* Values used for Protection Set command */
#define PROTECTION_SET_UNPROTECTED
#define PROTECTION_SET_PROTECTION_BY_SEQUENCE
#define PROTECTION_SET_NO_OPERATION_POSSIBLE
                                                                                                                                                                                                                                                        0x00
                                                                                                                                                                                                                                                        0x01
                                                                                                                                                                                                                                                        0x02
 /* Protection command class commands */
#define PROTECTION_VERSION_V2
#define PROTECTION_EC_GET_V2
#define PROTECTION_EC_REPORT_V2
                                                                                                                                                                                                                                                        0x02
                                                                                                                                                                                                                                                        0x07
                                                                                                                                                                                                                                                        0x08
#define PROTECTION_EC_REPORT_V2
#define PROTECTION_EC_SET_V2
#define PROTECTION_GET_V2
#define PROTECTION_REPORT_V2
#define PROTECTION_SET_V2
#define PROTECTION_SUPPORTED_GET_V2
                                                                                                                                                                                                                                                        0×06
                                                                                                                                                                                                                                                        0x02
                                                                                                                                                                                                                                                        0x03
                                                                                                                                                                                                                                                        0x01
                                                                                                                                                                                                                                                        0x04
#define PROTECTION_SUPPORTED_REPORT_V2
#define PROTECTION_TIMEOUT_GET_V2
#define PROTECTION_TIMEOUT_REPORT_V2
#define PROTECTION_TIMEOUT_SET_V2
                                                                                                                                                                                                                                                        0x05
                                                                                                                                                                                                                                                        0x0A
                                                                                                                                                                                                                                                        0 \times 0 B
                                                                                                                                                                                                                                                        0x09
 /* Values used for Protection Report command */
/* Values used for Protection Report command */
#define PROTECTION_REPORT_LEVEL_LOCAL_PROTECTION_STATE_MASK_V2
#define PROTECTION_REPORT_LEVEL_RESERVED1_MASK_V2
#define PROTECTION_REPORT_LEVEL_RESERVED1_SHIFT_V2
#define PROTECTION_REPORT_LEVEL2_RESERVED2_MASK_V2
#define PROTECTION_REPORT_LEVEL2_RESERVED2_MASK_V2
#define PROTECTION_REPORT_LEVEL2_RESERVED2_SHIFT_V2
/* Values used for Protection Set command */
#define_PROTECTION_SET_LEVEL_LOCAL_PROTECTION_STATE_MASK_V2
                                                                                                                                                                                                                                                        0x0F
                                                                                                                                                                                                                                                        0xF0
                                                                                                                                                                                                                                                        0x04
                                                                                                                                                                                                                                                        0x0F
                                                                                                                                                                                                                                                        0xF0
                                                                                                                                                                                                                                                        0x04
#define PROTECTION SET_LEVEL_LOCAL_PROTECTION_STATE_MASK_V2
#define PROTECTION_SET_LEVEL_RESERVED1_MASK_V2
#define PROTECTION_SET_LEVEL_RESERVED1_SHIFT_V2
#define PROTECTION_SET_LEVEL2_RF_PROTECTION_STATE_MASK_V2
                                                                                                                                                                                                                                                        0x0F
                                                                                                                                                                                                                                                        0xF0
                                                                                                                                                                                                                                                        0x04
                                                                                                                                                                                                                                                        0x0F
```

```
#define PROTECTION SET LEVEL2 RESERVED2 MASK V2
                                                                                                                                                                                        0xF0
#define PROTECTION_SET_LEVEL2_RESERVED2_SHIFT_V2
/* Values used for Protection_Supported_Report_command */
                                                                                                                                                                                        0x04
#define PROTECTION_SUPPORTED_REPORT_LEVEL_TIMEOUT_BIT_MASK_V2
#define PROTECTION_SUPPORTED_REPORT_LEVEL_EXCLUSIVE_CONTROL_BIT_MASK_V2
#define PROTECTION_SUPPORTED_REPORT_LEVEL_RESERVED_MASK_V2
#define PROTECTION_SUPPORTED_REPORT_LEVEL_RESERVED_SHIFT_V2
                                                                                                                                                                                        0 \times 0.1
                                                                                                                                                                                        0x02
                                                                                                                                                                                        0xFC
                                                                                                                                                                                        0x02
 /st Rate Tbl Config command class commands st/
#define RATE_TBL_CONFIG_VERSION
#define RATE_TBL_REMOVE
#define RATE_TBL_SET
                                                                                                                                                                                        0×01
                                                                                                                                                                                        0x02
                                                                                                                                                                                        0x01
  /* Values used for Rate Tbl Remove command */
#define RATE_TBL_REMOVE_PROPERTIES1_RATE_PARAMETER_SET_IDS_MASK #define RATE_TBL_REMOVE_PROPERTIES1_RESERVED_MASK
                                                                                                                                                                                        0x3F
                                                                                                                                                                                        0xC0
#define RATE_TBL_REMOVE_PROPERTIES1_RESERVED_SHIFT
/* Values used for Rate Tbl Set command */
                                                                                                                                                                                        0 \times 0.6
 #define RATE TBL_SET_PROPERTIES1_NUMBER_OF_RATE_CHAR_MASK
#define RATE_TBL_SET_PROPERTIES1_RATE_TYPE_MASK
                                                                                                                                                                                        0x1F
                                                                                                                                                                                        0x60
 #define RATE_TBL_SET_PROPERTIES1_RATE_TYPE_SHIFT
                                                                                                                                                                                        0x05
#define RATE_TBL_SET_PROPERTIES1_RESERVED_BIT_MASK
#define RATE_TBL_SET_PROPERTIES2_CONSUMPTION_SCALE_MASK
#define RATE_TBL_SET_PROPERTIES2_CONSUMPTION_PRECISION_MASK
#define RATE_TBL_SET_PROPERTIES2_CONSUMPTION_PRECISION_SHIFT
                                                                                                                                                                                        0x80
                                                                                                                                                                                        0x1F
                                                                                                                                                                                        0xE0
                                                                                                                                                                                        0x05
 #define RATE TBL SET PROPERTIES3 MAX DEMAND SCALE MASK
                                                                                                                                                                                        0x1F
#define RATE TBL SET PROPERTIES3 MAX DEMAND PRECISION MASK #define RATE TBL SET PROPERTIES3 MAX_DEMAND PRECISION_SHIFT
                                                                                                                                                                                        0xE0
                                                                                                                                                                                        0 \times 05
 /* Rate Tbl Monitor command class commands */
 #define RATE_TBL_MONITOR_VERSION
                                                                                                                                                                                        0x01
 #define RATE_TBL_ACTIVE_RATE_GET
                                                                                                                                                                                        0x05
 #define RATE_TBL_ACTIVE_RATE_REPORT
                                                                                                                                                                                        0x06
#define RATE_TBL_CURRENT_DATA_GET
#define RATE_TBL_CURRENT_DATA_REPORT
#define RATE_TBL_GET
#define RATE_TBL_HISTORICAL_DATA_GET
                                                                                                                                                                                        0x07
                                                                                                                                                                                        0x08
                                                                                                                                                                                        0x03
                                                                                                                                                                                        0x09
 #define RATE_TBL_HISTORICAL_DATA_REPORT
                                                                                                                                                                                        0x0A
#define RATE_TBL_REPORT
#define RATE_TBL_SUPPORTED_GET
#define RATE_TBL_SUPPORTED_REPORT
/* Values used for Rate Tbl Report command */
                                                                                                                                                                                        0x04
                                                                                                                                                                                        0 \times 01
                                                                                                                                                                                        0x02
/* Values used for Rate Tbl Report command */
#define RATE TBL REPORT PROPERTIES1 NUMBER OF RATE CHAR MASK
#define RATE TBL REPORT PROPERTIES1 RATE TYPE MASK
#define RATE TBL REPORT PROPERTIES1 RATE TYPE SHIFT
#define RATE TBL REPORT PROPERTIES1 RESERVED BIT MASK
#define RATE TBL REPORT PROPERTIES2 CONSUMPTION SCALE MASK
#define RATE TBL REPORT PROPERTIES2 CONSUMPTION PRECISION MASK
#define RATE TBL REPORT PROPERTIES2 CONSUMPTION PRECISION SHIFT
#define RATE TBL REPORT PROPERTIES3 MAX DEMAND SCALE MASK
#define RATE TBL REPORT PROPERTIES3 MAX DEMAND PRECISION MASK
#define RATE TBL REPORT PROPERTIES3 MAX DEMAND PRECISION MASK
#define RATE TBL REPORT PROPERTIES3 MAX DEMAND PRECISION SHIFT
                                                                                                                                                                                        0x1F
                                                                                                                                                                                        0x60
                                                                                                                                                                                        0x05
                                                                                                                                                                                        0 \times 80
                                                                                                                                                                                        0x1F
                                                                                                                                                                                        0xE0
                                                                                                                                                                                        0x05
                                                                                                                                                                                        0x1F
                                                                                                                                                                                        0xE0
                                                                                                                                                                                        0 \times 05
 /* Remote Association Activate command class commands */
 #define REMOTE_ASSOCIATION_ACTIVATE_VERSION
                                                                                                                                                                                        0x01
#define REMOTE_ASSOCIATION_ACTIVATE
                                                                                                                                                                                        0x01
 /* Remote Association command class commands */
#define REMOTE_ASSOCIATION_VERSION
#define REMOTE_ASSOCIATION_CONFIGURATION_GET
#define REMOTE_ASSOCIATION_CONFIGURATION_REPORT
                                                                                                                                                                                        0x01
                                                                                                                                                                                        0x02
                                                                                                                                                                                        0x03
#define REMOTE_ASSOCIATION_CONFIGURATION_SET
                                                                                                                                                                                        0 \times 0.1
 /* Scene Activation command class commands */
#define SCENE_ACTIVATION_VERSION
#define SCENE ACTIVATION SET
                                                                                                                                                                                        0x01
                                                                                                                                                                                        0x01
/* Scene Actuator Conf command class commands */
#define SCENE_ACTUATOR_CONF_VERSION
#define SCENE_ACTUATOR_CONF_GET
#define SCENE_ACTUATOR_CONF_REPORT
                                                                                                                                                                                        0 \times 0.1
                                                                                                                                                                                        0x02
                                                                                                                                                                                        0x03
 #define SCENE_ACTUATOR_CONF_SET
                                                                                                                                                                                        0x01
/* Values used for Scene Actuator Conf Set command */
#define SCENE_ACTUATOR_CONF_SET_LEVEL2_RESERVED_MASK
#define SCENE_ACTUATOR_CONF_SET_LEVEL2_OVERRIDE_BIT_MASK
                                                                                                                                                                                        0×7F
                                                                                                                                                                                        0x80
 /* Scene Controller Conf command class commands */
 #define SCENE_CONTROLLER_CONF_VERSION
                                                                                                                                                                                        0x01
#define SCENE CONTROLLER CONF GET
#define SCENE CONTROLLER CONF REPORT
#define SCENE CONTROLLER CONF SET
                                                                                                                                                                                        0x02
                                                                                                                                                                                        0 \times 03
                                                                                                                                                                                        0x01
```

```
* Schedule Entry Lock command class commands */
 /* Schedule Entry Lock command class command state and schedule_Entry_Lock_Version  
#define SCHEDULE_ENTRY_LOCK_ENABLE_ALL_SET  
#define SCHEDULE_ENTRY_LOCK_ENABLE_SET  
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET  
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT  
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET
                                                                                                                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                                                                                                                      0x04
                                                                                                                                                                                                                                                                                                                                                                      0x05
                                                                                                                                                                                                                                                                                                                                                                      0x03
   #define SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET
                                                                                                                                                                                                                                                                                                                                                                      0x07
 #define SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET
#define SCHEDULE_ENTRY_TYPE_SUPPORTED_GET
#define SCHEDULE_ENTRY_TYPE_SUPPORTED_REPORT
                                                                                                                                                                                                                                                                                                                                                                      0x08
                                                                                                                                                                                                                                                                                                                                                                      0×06
                                                                                                                                                                                                                                                                                                                                                                      0x09
                                                                                                                                                                                                                                                                                                                                                                      0x0A
  /* Schedule Entry Lock command class commands */#define SCHEDULE_ENTRY_LOCK_VERSION_V2
                                                                                                                                                                                                                                                                                                                                                                      0x02
  #define SCHEDULE ENTRY LOCK ENABLE ALL SET_V2
#define SCHEDULE ENTRY LOCK ENABLE SET_V2
#define SCHEDULE ENTRY LOCK TIME_OFFSET_GET_V2
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_V2
                                                                                                                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                                                                                                                      0x0B
                                                                                                                                                                                                                                                                                                                                                                      0x0C
  #define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_V2
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET_V2
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_V2
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_V2
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_V2
                                                                                                                                                                                                                                                                                                                                                                      0x0D
                                                                                                                                                                                                                                                                                                                                                                      0x04
                                                                                                                                                                                                                                                                                                                                                                      0 \times 05
                                                                                                                                                                                                                                                                                                                                                                      0x03
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_V2
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_V2
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_V2
#define SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_V2
#define SCHEDULE_ENTRY_TYPE_SUPPORTED_REPORT_V2
/* Values used for Schedule_Entry_Lock_Time_Offset_Report_command */
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_LEVEL_HOUR_TZO_MASK_V2
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_LEVEL_SIGN_TZO_BIT_MASK_V2
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_LEVEL2_SIGN_OFFSET_DST_MASK_V2
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_LEVEL2_SIGN_OFFSET_DST_BIT_MASK_V2
/* Values used for Schedule_Entry_Lock_Time_OFFSET_SET_LEVEL_BIGN_TZO_BIT_MASK_V2
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL_HOUR_TZO_MASK_V2
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL_SIGN_TZO_BIT_MASK_V2
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL_SIGN_TZO_BIT_MASK_V2
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL_SIGN_TZO_BIT_MASK_V2
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL_SIGN_TZO_BIT_MASK_V2
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL_SIGN_TZO_BIT_MASK_V2
                                                                                                                                                                                                                                                                                                                                                                      0x07
                                                                                                                                                                                                                                                                                                                                                                      0x08
                                                                                                                                                                                                                                                                                                                                                                      0x06
                                                                                                                                                                                                                                                                                                                                                                      0×09
                                                                                                                                                                                                                                                                                                                                                                      0 \times 0 A
                                                                                                                                                                                                                                                                                                                                                                      0x7F
                                                                                                                                                                                                                                                                                                                                                                      0x80
                                                                                                                                                                                                                                                                                                                                                                      0x7F
                                                                                                                                                                                                                                                                                                                                                                      0x80
                                                                                                                                                                                                                                                                                                                                                                      0x7F
                                                                                                                                                                                                                                                                                                                                                                      0x80
   #define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL2_MINUTE_OFFSET_DST_MASK_V2
                                                                                                                                                                                                                                                                                                                                                                      0x7F
  #define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL2_SIGN_OFFSET_DST_BIT_MASK_V2
                                                                                                                                                                                                                                                                                                                                                                      0x80
   /* Schedule Entry Lock command class commands */
/* Schedule Entry Lock command class commands */
#define SCHEDULE_ENTRY_LOCK_VERSION_V3
#define SCHEDULE_ENTRY_LOCK_ENABLE_ALL_SET_V3
#define SCHEDULE_ENTRY_LOCK_ENABLE_SET_V3
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_GET_V3
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_V3
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_V3
                                                                                                                                                                                                                                                                                                                                                                      0x03
                                                                                                                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                                                                                                                      0x0B
                                                                                                                                                                                                                                                                                                                                                                      0 \times 0 C
                                                                                                                                                                                                                                                                                                                                                                      0x0D
  #define SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_V3
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_V3
                                                                                                                                                                                                                                                                                                                                                                      0x04
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_V3
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_V3
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_V3
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_V3
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_V3
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_V3
#define SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_V3
#define SCHEDULE_ENTRY_TYPE_SUPPORTED_REPORT_V3
#define SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_GET_V3
#define SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_SET_V3
/* Values used for Schedule_Entry_Lock_TIME_OFFSET_REPORT_LEVEL_SIGN_TZO_BIT_MASK_V3
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_LEVEL_SIGN_DFFSET_DST_MASK_V3
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_LEVEL2_SIGN_OFFSET_DST_BIT_MASK_V3
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_LEVEL2_SIGN_OFFSET_DST_BIT_MASK_V3
/* Values used for Schedule_Entry_Lock_Time_OFFSET_SET_LEVEL_SIGN_TFSET_DST_BIT_MASK_V3
/* Values used for Schedule_Entry_Lock_Time_OFFSET_SET_LEVEL_SIGN_TFSET_DST_BIT_MASK_V3
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL_SIGN_TFSET_DST_BIT_MASK_V3
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL_SIGN_TFSET_DST_BIT_MASK_V3
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL_SIGN_TFSET_DST_BIT_MASK_V3
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL_SIGN_OFFSET_DST_BIT_MASK_V3
                                                                                                                                                                                                                                                                                                                                                                      0x05
                                                                                                                                                                                                                                                                                                                                                                      0x03
                                                                                                                                                                                                                                                                                                                                                                      0 \times 0.7
                                                                                                                                                                                                                                                                                                                                                                      0x08
                                                                                                                                                                                                                                                                                                                                                                      0x06
                                                                                                                                                                                                                                                                                                                                                                      0x09
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                                                                                                                                                                                                                                                                                                                                                                      0x0E
                                                                                                                                                                                                                                                                                                                                                                      0x0F
                                                                                                                                                                                                                                                                                                                                                                      0 \times 10
                                                                                                                                                                                                                                                                                                                                                                      0x7F
                                                                                                                                                                                                                                                                                                                                                                      0x80
                                                                                                                                                                                                                                                                                                                                                                      0 \times 7 F
                                                                                                                                                                                                                                                                                                                                                                      0x80
                                                                                                                                                                                                                                                                                                                                                                      0x7F
                                                                                                                                                                                                                                                                                                                                                                      0x80
                                                                                                                                                                                                                                                                                                                                                                      0x7F
                                                                                                                                                                                                                                                                                                                                                                      0x80
          Screen Attributes command class commands */
  #define SCREEN_ATTRIBUTES_VERSION
                                                                                                                                                                                                                                                                                                                                                                      0x01
   #define SCREEN_ATTRIBUTES_GET
   #define SCREEN_ATTRIBUTES_REPORT
                                                                                                                                                                                                                                                                                                                                                                      0x02
  /* Values used for Screen Attributes Report command */
#define SCREEN_ATTRIBUTES_REPORT_PROPERTIES1_NUMBER_OF_LINES_MASK
#define SCREEN_ATTRIBUTES_REPORT_PROPERTIES1_RESERVED_MASK
                                                                                                                                                                                                                                                                                                                                                                      0x1F
                                                                                                                                                                                                                                                                                                                                                                      0xE0
   #define SCREEN ATTRIBUTES REPORT PROPERTIES1 RESERVED SHIFT
                                                                                                                                                                                                                                                                                                                                                                      0x05
  /* Screen Attributes command class commands */
#define SCREEN_ATTRIBUTES_VERSION_V2
#define SCREEN_ATTRIBUTES_GET_V2
                                                                                                                                                                                                                                                                                                                                                                      0 \times 0.2
                                                                                                                                                                                                                                                                                                                                                                      0x01
   #define SCREEN ATTRIBUTES REPORT V2
                                                                                                                                                                                                                                                                                                                                                                      0x03
```

```
* Values used for Screen Attributes Report command */
#define SCREEN_ATTRIBUTES_REPORT_PROPERTIES1_NUMBER_OF_LINES_MASK_V2
#define SCREEN_ATTRIBUTES_REPORT_PROPERTIES1_ESCAPE_SEQUENCE_BIT_MASK_V2
#define SCREEN_ATTRIBUTES_REPORT_PROPERTIES1_RESERVED_MASK_V2
#define SCREEN_ATTRIBUTES_REPORT_PROPERTIES1_RESERVED_SHIFT_V2
                                                                                                                                                                                   0x1F
                                                                                                                                                                                   0x20
                                                                                                                                                                                   0 \times C0
                                                                                                                                                                                   0x06
 /* Screen Md command class commands */
 #define SCREEN_MD_VERSION
                                                                                                                                                                                   0x01
#define SCREEN_MD_GET
#define SCREEN_MD_REPORT
                                                                                                                                                                                   0x01
                                                                                                                                                                                   0 \times 02
 /* Values used for Screen Md Report command */
/* values used for screen Md Report command */
#define SCREEN_MD_REPORT_PROPERTIES1_CHAR_PRESENTATION_MASK
#define SCREEN_MD_REPORT_PROPERTIES1_SCREEN_SETTINGS_MASK
#define SCREEN_MD_REPORT_PROPERTIES1_SCREEN_SETTINGS_SHIFT
#define SCREEN_MD_REPORT_PROPERTIES1_RESERVED_BIT_MASK
#define SCREEN_MD_REPORT_PROPERTIES1_MORE_DATA_BIT_MASK
                                                                                                                                                                                   0x07
                                                                                                                                                                                   0x38
                                                                                                                                                                                   0x03
                                                                                                                                                                                   0x40
                                                                                                                                                                                   0 \times 80
  * Screen Md command class commands */
/* Screen Md command class commands */
#define SCREEN_MD_VERSION_V2
#define SCREEN_MD_GET_V2
/* Values used for Screen Md Report command */
#define SCREEN_MD_REPORT_PROPERTIES1_CHAR_PRESENTATION_MASK_V2
#define SCREEN_MD_REPORT_PROPERTIES1_SCREEN_SETTINGS_MASK_V2
#define SCREEN_MD_REPORT_PROPERTIES1_SCREEN_SETTINGS_MASK_V2
#define SCREEN_MD_REPORT_PROPERTIES1_SCREEN_SETTINGS_SHIFT_V2
#define SCREEN_MD_REPORT_PROPERTIES1_RESERVED1_BIT_MASK_V2
#define SCREEN_MD_REPORT_PROPERTIES2_RESERVED1_STIMASK_V2
#define SCREEN_MD_REPORT_PROPERTIES2_RESERVED2_MASK_V2
#define SCREEN_MD_REPORT_PROPERTIES2_RESERVED2_MASK_V2
#define SCREEN_MD_REPORT_PROPERTIES2_RESERVED2_SHIFT_V2
                                                                                                                                                                                   0x02
                                                                                                                                                                                   0x01
                                                                                                                                                                                   0 \times 0.3
                                                                                                                                                                                   0x07
                                                                                                                                                                                   0x38
                                                                                                                                                                                   0x03
                                                                                                                                                                                   0x40
                                                                                                                                                                                   0x80
                                                                                                                                                                                   0 \times 01
                                                                                                                                                                                   0×FE
 #define SCREEN_MD_REPORT_PROPERTIES2_RESERVED2_SHIFT_V2
                                                                                                                                                                                   0x01
 /* Security Panel Mode command class commands */
#define SECURITY_PANEL_MODE_VERSION
#define SECURITY_PANEL_MODE_GET
#define SECURITY_PANEL_MODE_REPORT
#define SECURITY_PANEL_MODE_SET
                                                                                                                                                                                   0x01
                                                                                                                                                                                   0x03
                                                                                                                                                                                   0x04
                                                                                                                                                                                   0x05
 #define SECURITY_PANEL_MODE_SUPPORTED_GET
                                                                                                                                                                                   0x01
#define SECURITY_PANEL_MODE_SUPPORTED_REPORT
                                                                                                                                                                                   0x02
 /* Security Panel Zone Sensor command class commands */
 #define SECURITY PANEL ZONE SENSOR VERSION
                                                                                                                                                                                   0x01
 #define COMMAND_CLASS_SECURITY_PANEL_ZONE_SENSOR_INSTALLED_REPORT
                                                                                                                                                                                   0x02
#define SECURITY_PANEL_ZONE_SENSOR_TYPE_REPORT
                                                                                                                                                                                   0x03
                                                                                                                                                                                   0x04
#define SECURITY_PANEL_ZONE_SENSOR_INSTALLED_GET
#define SECURITY_PANEL_ZONE_SENSOR_STATE_GET
                                                                                                                                                                                   0 \times 01
                                                                                                                                                                                   0 \times 05
 #define SECURITY PANEL ZONE SENSOR STATE REPORT
                                                                                                                                                                                   0x06
/* Security Panel Zone command class commands */
#define SECURITY_PANEL_ZONE_VERSION
#define SECURITY_PANEL_ZONE_NUMBER_SUPPORTED_GET
                                                                                                                                                                                   0 \times 01
                                                                                                                                                                                   0x01
#define SECURITY PANEL ZONE STATE GET #define SECURITY PANEL ZONE STATE REPORT
                                                                                                                                                                                   0x05
                                                                                                                                                                                   0x06
#define SECURITY_PANEL_ZONE_SUPPORTED_REPORT
#define SECURITY_PANEL_ZONE_TYPE_GET
                                                                                                                                                                                   0x02
                                                                                                                                                                                   0x03
 #define SECURITY_PANEL_ZONE_TYPE_REPORT
                                                                                                                                                                                   0 \times 0.4
/* Values used for Security Panel Zone Supported Report command */
#define SECURITY_PANEL_ZONE_SUPPORTED_REPORT_PARAMETERS1_ZONES_SUPPORTED_MASK
                                                                                                                                                                                   0x7F
 #define SECURITY_PANEL_ZONE_SUPPORTED_REPORT_PARAMETERS1_ZM_BIT_MASK
                                                                                                                                                                                   0x80
/* Security command class commands */
#define SECURITY_VERSION
#define NETWORK_KEY_SET
#define NETWORK_KEY_VERIFY
#define SECURITY_COMMANDS_SUPPORTED_GET
                                                                                                                                                                                   0x01
                                                                                                                                                                                   0x06
                                                                                                                                                                                   0x07
                                                                                                                                                                                   0x02
 #define SECURITY_COMMANDS_SUPPORTED_REPORT
                                                                                                                                                                                   0x03
#define SECURITY_MESSAGE_ENCAPSULATION | #define SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET | #define SECURITY_NONCE_GET
                                                                                                                                                                                   0x81
                                                                                                                                                                                   0xC1
                                                                                                                                                                                   0x40
 #define SECURITY_NONCE_REPORT
                                                                                                                                                                                   0x80
#define SECURITY SCHEME GET
#define SECURITY_SCHEME_INHERIT
#define SECURITY_SCHEME_REPORT
                                                                                                                                                                                   0x04
                                                                                                                                                                                   0x08
                                                                                                                                                                                   0 \times 0.5
 /* Values used for Security Commands Supported Report command */
 #define SECURITY COMMANDS SUPPORTED REPORT COMMAND CLASS MARK
                                                                                                                                                                                   0xEF /*The
COMMAND CLASS MARK is used to indicate that all preceding command classes are supported and all following command
 classes are controlled.*/
/* Values used for Security Message Encapsulation command */
#define SECURITY_MESSAGE_ENCAPSULATION_PROPERTIES1_SEQUENCE_COUNTER_MASK
#define SECURITY_MESSAGE_ENCAPSULATION_PROPERTIES1_SEQUENCED_BIT_MASK
#define SECURITY_MESSAGE_ENCAPSULATION_PROPERTIES1_SECOND_FRAME_BIT_MASK
                                                                                                                                                                                   0×0F
                                                                                                                                                                                   0x10
                                                                                                                                                                                   0x20
```

```
#define SECURITY MESSAGE ENCAPSULATION PROPERTIES1 RESERVED MASK
 #define SECURITY_MESSAGE_ENCAPSULATION_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                              0x06
 /* Values used for Security Message Encapsulation Nonce Get command */
#define SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_PROPERTIES1_SEQUENCE_COUNTER_MASK
#define SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_PROPERTIES1_SEQUENCED_BIT_MASK
#define SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_PROPERTIES1_SECOND_FRAME_BIT_MASK
#define SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_PROPERTIES1_RESERVED_MASK
                                                                                                                                                                                                              0×0F
                                                                                                                                                                                                              0x10
                                                                                                                                                                                                              0x20
                                                                                                                                                                                                              0xC0
 #define SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                              0x06
/* Sensor Alarm command class commands */
#define SENSOR_ALARM_VERSION
#define SENSOR_ALARM_GET
                                                                                                                                                                                                              0x01
                                                                                                                                                                                                              0x01
 #define SENSOR ALARM REPORT
 #define SENSOR_ALARM_SUPPORTED_GET
                                                                                                                                                                                                              0x03
#define SENSOR_ALARM_SUPPORTED_REPORT
                                                                                                                                                                                                              0x04
 /* Sensor Binary command class commands */
 #define SENSOR_BINARY_VERSION
                                                                                                                                                                                                              0x01
 #define SENSOR_BINARY_GET
                                                                                                                                                                                                              0x02
 #define SENSOR BINARY REPORT
                                                                                                                                                                                                              0x03
/* Values used for Sensor Binary Report command */
#define SENSOR_BINARY_REPORT_IDLE
#define SENSOR_BINARY_REPORT_DETECTED_AN_EVENT
                                                                                                                                                                                                              0x00
                                                                                                                                                                                                              0xFF
 /* Sensor Binary command class commands */
#define SENSOR_BINARY_VERSION_V2
#define SENSOR_BINARY_GET_V2
#define SENSOR_BINARY_REPORT_V2
#define SENSOR_BINARY_SUPPORTED_GET_SENSOR_V2
                                                                                                                                                                                                              0x02
                                                                                                                                                                                                              0 \times 02
                                                                                                                                                                                                              0 \times 0.3
                                                                                                                                                                                                              0x01
 #define SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_V2
                                                                                                                                                                                                              0x04
 /* Values used for Sensor Binary Report command */
                                                                                                                                                                                                             0x00
#define SENSOR_BINARY_REPORT_IDLE_V2
#define SENSOR_BINARY_REPORT_DETECTED_AN_EVENT_V2
                                                                                                                                                                                                              0xFF
      Sensor Configuration command class commands */
#define SENSOR CONFIGURATION VERSION
                                                                                                                                                                                                              0x01
#define SENSOR_TRIGGER_LEVEL_GET
                                                                                                                                                                                                              0x02
#define SENSOR_TRIGGER_LEVEL_REPORT
#define SENSOR_TRIGGER_LEVEL_SET
/* Values used for Sensor Trigger Level Report command */
                                                                                                                                                                                                              0x03
                                                                                                                                                                                                              0 \times 01
/* Values used for Sensor Trigger Level Report Command //
#define SENSOR_TRIGGER_LEVEL_REPORT_PROPERTIES1_SIZE_MASK
#define SENSOR_TRIGGER_LEVEL_REPORT_PROPERTIES1_SCALE_MASK
#define SENSOR_TRIGGER_LEVEL_REPORT_PROPERTIES1_SCALE_SHIFT
#define SENSOR_TRIGGER_LEVEL_REPORT_PROPERTIES1_PRECISION_MASK
                                                                                                                                                                                                              0x07
                                                                                                                                                                                                              0x18
                                                                                                                                                                                                              0x03
                                                                                                                                                                                                              0 \times E0
#define SENSOR TRIGGER_LEVEL_REPORT_PROPERTIES1 PRECISION_SHIFT /* Values used for Sensor Trigger Level Set command */
                                                                                                                                                                                                              0x05
/* Values used for Sensor Trigger Level Set command */
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES1_RESERVED_MASK
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES1_CURRENT_BIT_MASK
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES1_DEFAULT_BIT_MASK
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES2_SIZE_MASK
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES2_SCALE_MASK
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES2_SCALE_SHIFT
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES2_PRECISION_MASK
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES2_PRECISION_SHIFT
                                                                                                                                                                                                              0x3F
                                                                                                                                                                                                              0x40
                                                                                                                                                                                                              0x80
                                                                                                                                                                                                              0 \times 0.7
                                                                                                                                                                                                              0x18
                                                                                                                                                                                                              0x03
                                                                                                                                                                                                              0x05
 /* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION
#define SENSOR_MULTILEVEL_GET
                                                                                                                                                                                                              0 \times 0.1
                                                                                                                                                                                                              0x04
#define SENSOR_MULTILEVEL_REPORT
/* Values used for Sensor_Multilevel Report command */
                                                                                                                                                                                                              0x05
/* Values used for Sensor Multilevel Report command */
#define SENSOR MULTILEVEL REPORT TEMPERATURE VERSION_1
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE MASK
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SHIFT
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_MASK
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT
                                                                                                                                                                                                              0 \times 01
                                                                                                                                                                                                              0x02
                                                                                                                                                                                                              0x03
                                                                                                                                                                                                              0x07
                                                                                                                                                                                                              0x18
                                                                                                                                                                                                              0x03
                                                                                                                                                                                                              0xE0
                                                                                                                                                                                                              0 \times 0.5
 /* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION_V2
#define SENSOR_MULTILEVEL_GET_V2
                                                                                                                                                                                                              0x02
                                                                                                                                                                                                              0x04
#define SENSOR_MULTILEVEL_GET_V2

/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_V2

/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V2
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V2
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V2
#define SENSOR_MULTILEVEL_REPORT_POWER_VERSION_2_V2
#define SENSOR_MULTILEVEL_REPORT_RELATIVE_HUMIDITY_VERSION_2_V2
#define SENSOR_MULTILEVEL_REPORT_VELOCITY_VERSION_2_V2
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V2
                                                                                                                                                                                                              0x05
                                                                                                                                                                                                              0x01
                                                                                                                                                                                                              0x02
                                                                                                                                                                                                              0x03
                                                                                                                                                                                                              0x04
                                                                                                                                                                                                              0 \times 0.5
                                                                                                                                                                                                              0x06
                                                                                                                                                                                                              0x07
```

```
#define SENSOR MULTILEVEL REPORT ATMOSPHERIC PRESSURE VERSION 2 V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x08
  #define SENSOR_MULTILEVEL_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V2
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V2
#define SENSOR_MULTILEVEL_REPORT_SOLAR_RADIATION_VERSION_2_V2
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V2
#define SENSOR_MULTILEVEL_REPORT_RAIN_RATE_VERSION_2_V2
#define SENSOR_MULTILEVEL_REPORT_TIDE_LEVEL_VERSION_2_V2
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V2
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V2
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SHIFT_V2
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SHIFT_V2
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_MASK_V2
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x09
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0xE0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x05
      /* Sensor Multilevel command class commands */
    #define SENSOR_MULTILEVEL_VERSION_V3
#define SENSOR_MULTILEVEL_GET_V3
#define SENSOR_MULTILEVEL_REPORT_V3
/* Values used for Sensor_Multilevel_Report_command */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0 \times 0.5
 #define SENSOR MULTILEVEL REPORT TEMPERATURE VERSION 1 V3
#define SENSOR MULTILEVEL REPORT TEMPERATURE VERSION 1 V3
#define SENSOR MULTILEVEL REPORT GENERAL PURPOSE VALUE VERSION 1 V3
#define SENSOR MULTILEVEL REPORT GENERAL PURPOSE VALUE VERSION 1 V3
#define SENSOR MULTILEVEL REPORT FOWER VERSION 2 V3
#define SENSOR MULTILEVEL REPORT POWER VERSION 2 V3
#define SENSOR MULTILEVEL REPORT POWER VERSION 2 V3
#define SENSOR MULTILEVEL REPORT DIRECTION VERSION 2 V3
#define SENSOR MULTILEVEL REPORT DIRECTION VERSION 2 V3
#define SENSOR MULTILEVEL REPORT DIRECTION VERSION 2 V3
#define SENSOR MULTILEVEL REPORT BAROMETRIC PRESSURE VERSION 2 V3
#define SENSOR MULTILEVEL REPORT SOLAR RADIATION VERSION 2 V3
#define SENSOR MULTILEVEL REPORT DEW POINT VERSION 2 V3
#define SENSOR MULTILEVEL REPORT DEW POINT VERSION 2 V3
#define SENSOR MULTILEVEL REPORT TIDE LEVEL VERSION 2 V3
#define SENSOR MULTILEVEL REPORT TIDE LEVEL VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TIDE LEVEL VERSION 3 V3
#define SENSOR MULTILEVEL REPORT CURRENT VERSION 3 V3
#define SENSOR MULTILEVEL REPORT CURRENT VERSION 3 V3
#define SENSOR MULTILEVEL REPORT CURRENT VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 V3
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x02
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    #define SENSOR MULTILEVEL REPORT LEVEL SIZE MASK V3
#define SENSOR MULTILEVEL REPORT LEVEL SCALE MASK V3
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SHIFT_V3
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_MASK_V3
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      #define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT_V3
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      /* Sensor Multilevel command class commands */
    #define SENSOR_MULTILEVEL_VERSION_V4
#define SENSOR_MULTILEVEL_GET_V4
#define SENSOR_MULTILEVEL_REPORT_V4
/* Values used for Sensor_Multilevel_Report_command */
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#define SENSOR_MULTILEVEL_REPORT_V4

/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V4
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V4
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V4
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V4
#define SENSOR_MULTILEVEL_REPORT_POWER_VERSION_2_V4
#define SENSOR_MULTILEVEL_REPORT_RELATIVE_HUMIDITY_VERSION_2_V4
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V4
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V4
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V4
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V4
#define SENSOR_MULTILEVEL_REPORT_SOLAR_RADIATION_VERSION_2_V4
#define SENSOR_MULTILEVEL_REPORT_SOLAR_RADIATION_VERSION_2_V4
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V4
#define SENSOR_MULTILEVEL_REPORT_RAIN_RATE_VERSION_2_V4
#define SENSOR_MULTILEVEL_REPORT_RAIN_RATE_VERSION_2_V4
#define SENSOR_MULTILEVEL_REPORT_WEIGHT_VERSION_3_V4
#define SENSOR_MULTILEVEL_REPORT_USERSION_3_V4
#define SENSOR_MULTILEVEL_REPORT_CURRENT_VERSION_3_V4
#define SENSOR_MULTILEVEL_REPORT_CURRENT_VERSION_3_V4
#define SENSOR_MULTILEVEL_REPORT_CURRENT_VERSION_3_V4
#define SENSOR_MULTILEVEL_REPORT_AIR_FLOW_VERSION_3_V4
#define SENSOR_MULTILEVEL_REPORT_AIR_FLOW_VERSION_3_V4
#define SENSOR_MULTILEVEL_REPORT_AIR_FLOW_VERSION_3_V4
#define SENSOR_MULTILEVEL_REPORT_AIR_FLOW_VERSION_3_V4
#define SENSOR_MULTILEVEL_REPORT_AIR_FLOW_VERSION_3_V4
#define SENSOR_MULTILEVEL_REPORT_AIR_FLOW_VERSION_3_V4
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V4
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V4
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V4
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V4
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V4
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT_V4
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT_V4
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT_V4
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION
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                     Sensor Multilevel command class commands */
    #define SENSOR_MULTILEVEL_VERSION_V5
#define SENSOR_MULTILEVEL_GET_V5
#define SENSOR_MULTILEVEL_REPORT_V5
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_V5
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#define SENSOR MULTILEVEL SUPPORTED GET SCALE V5
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     #define SENSOR MULTILEVEL SUPPORTED SCALE REPORT V5
/* Values used for Sensor Multilevel Get command */
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  /* Values used for Sensor Multilevel Get command */
#define SENSOR MULTILEVEL GET TEMPERATURE VERSION 1 V5
#define SENSOR MULTILEVEL GET GENERAL PURPOSE VALUE VERSION 1 V5
#define SENSOR MULTILEVEL GET LUMINANCE VERSION 1 V5
#define SENSOR MULTILEVEL GET LUMINANCE VERSION 2 V5
#define SENSOR MULTILEVEL GET POWER VERSION 2 V5
#define SENSOR MULTILEVEL GET VELOCITY VERSION 2 V5
#define SENSOR MULTILEVEL GET JELECTION VERSION 2 V5
#define SENSOR MULTILEVEL GET ATMOSPHERIC PRESSURE VERSION 2 V5
#define SENSOR MULTILEVEL GET BAROMETRIC PRESSURE VERSION 2 V5
#define SENSOR MULTILEVEL GET SOLAR RADIATION VERSION 2 V5
#define SENSOR MULTILEVEL GET SOLAR RADIATION VERSION 2 V5
#define SENSOR MULTILEVEL GET TOWN POINT VERSION 2 V5
#define SENSOR MULTILEVEL GET TIDE LEVEL VERSION 2 V5
#define SENSOR MULTILEVEL GET TIDE LEVEL VERSION 2 V5
#define SENSOR MULTILEVEL GET TIDE LEVEL VERSION 3 V5
#define SENSOR MULTILEVEL GET WEIGHT VERSION 3 V5
#define SENSOR MULTILEVEL GET CURRENT VERSION 3 V5
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  #define SENSOR MULTILEVEL GET CURRENT_VERSION_3_V5
#define SENSOR MULTILEVEL GET_CO2_LEVEL_VERSION_3_V5
#define SENSOR MULTILEVEL GET_AIR FLOW_VERSION_3_V5
#define SENSOR MULTILEVEL GET_TANK_CAPACITY_VERSION_3_V5
#define SENSOR MULTILEVEL GET_TANK_CAPACITY_VERSION_3_V5
#define SENSOR MULTILEVEL GET_DISTANCE_VERSION_3_V5
#define SENSOR_MULTILEVEL GET_ANGLE_POSITION_VERSION_4_V5
#define SENSOR_MULTILEVEL GET_ANGLE_POSITION_VERSION_4_V5
#define SENSOR_MULTILEVEL GET_ROTATION_V5_V5
#define SENSOR_MULTILEVEL GET_SOIL_TEMPERATURE_V5_V5
#define SENSOR_MULTILEVEL GET_SEISMIC_INTENSITY_V5_V5
#define SENSOR_MULTILEVEL GET_SEISMIC_MAGNITUDE_V5_V5
#define SENSOR_MULTILEVEL GET_ULTRAVIOLET_V5_V5
#define SENSOR_MULTILEVEL GET_ELECTRICAL_CONDUCTIVITY_V5_V5
#define SENSOR_MULTILEVEL GET_ELECTRICAL_CONDUCTIVITY_V5_V5
#define SENSOR_MULTILEVEL GET_MOISTURE_V5_V5
#define SENSOR_MULTILEVEL GET_MOISTURE_V5_V5
#define SENSOR_MULTILEVEL GET_MOISTURE_V5_V5
#define SENSOR_MULTILEVEL GET_FROPERTIESI_RESERVEDI_MASK_V5
#define SENSOR_MULTILEVEL_GET_PROPERTIESI_SCALE_SHIFT_V5
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       #define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_SHIFT_V5
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    #define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_MASK_V5
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V5
/* Values used for Sensor_Multilevel_Report_command_*/
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    #define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V5
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V5
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V5
#define SENSOR_MULTILEVEL_REPORT_POWER_VERSION_2_V5
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#define SENSOR MULTILEVEL REPORT LUMINANCE VERSION 1 V5
#define SENSOR MULTILEVEL REPORT POWER VERSION 2 V5
#define SENSOR MULTILEVEL REPORT POWER VERSION 2 V5
#define SENSOR MULTILEVEL REPORT RELATIVE HUMIDITY VERSION 2 V5
#define SENSOR MULTILEVEL REPORT VELOCITY VERSION 2 V5
#define SENSOR MULTILEVEL REPORT DIRECTION VERSION 2 V5
#define SENSOR MULTILEVEL REPORT ATMOSPHERIC PRESSURE VERSION 2 V5
#define SENSOR MULTILEVEL REPORT BAROMETRIC PRESSURE VERSION 2 V5
#define SENSOR MULTILEVEL REPORT BAROMETRIC PRESSURE VERSION 2 V5
#define SENSOR MULTILEVEL REPORT BAROMETRIC PRESSURE VERSION 2 V5
#define SENSOR MULTILEVEL REPORT DEW POINT VERSION 2 V5
#define SENSOR MULTILEVEL REPORT DEW POINT VERSION 2 V5
#define SENSOR MULTILEVEL REPORT DEW POINT VERSION 2 V5
#define SENSOR MULTILEVEL REPORT TIDE LEVEL VERSION 2 V5
#define SENSOR MULTILEVEL REPORT TIDE LEVEL VERSION 3 V5
#define SENSOR MULTILEVEL REPORT VOLTAGE VERSION 3 V5
#define SENSOR MULTILEVEL REPORT CO2 LEVEL VERSION 3 V5
#define SENSOR MULTILEVEL REPORT CO2 LEVEL VERSION 3 V5
#define SENSOR MULTILEVEL REPORT ANA CAPACITY VERSION 3 V5
#define SENSOR MULTILEVEL REPORT TANK CAPACITY VERSION 3 V5
#define SENSOR MULTILEVEL REPORT DISTANCE VERSION 3 V5
#define SENSOR MULTILEVEL REPORT DISTANCE VERSION 3 V5
#define SENSOR MULTILEVEL REPORT SOIL TEMPERATURE V5 V5
#define SENSOR MULTILEVEL REPORT SOIL TEMPERATURE V5 V5
#define SENSOR MULTILEVEL REPORT SOIL TEMPERATURE V5 V5
#define SENSOR MULTILEVEL REPORT SEISMIC INTENSITY V5 V5
#define SENSOR MULTILEVEL REPORT SEISMIC INTENSITY V5 V5
#define SENSOR MULTILEVEL REPORT ELECTRICAL CONDUCTIVITY V5 V5
#define SENSOR MULTILEVEL REPORT LOUDNESS V5 V5
#define SENSOR MULTILEVEL REPORT LOUDNESS V5 V5
#define SENSOR MULTILEVEL REPORT LOUDNESS V5 V5
#define SENSOR MULTILEVEL REPORT LEVEL SIZE MASK V5
#define SENSOR MULTILEVEL REPORT LEVEL SIZE MASK V5
#define SENSOR MULTILEVEL REPORT LEVEL SCALE SHIFT V5
#define SENSOR MULTILEVEL REPORT LEVEL SCALE SHIFT V5
#define SENSOR MULTILEVEL REPORT LEVEL SCALE SHIFT V5
#define SENSOR
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    #define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TEMPERATURE_VERSION_1_V5
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_GENERAL_PURPOSE_VALUE_VERSION_1_V5
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LUMINANCE_VERSION_1_V5
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_POWER_VERSION_2_V5
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#define SENSOR MULTILEVEL SUPPORTED GET SCALE RELATIVE HUMIDITY VERSION 2 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE VELOCITY VERSION 2 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE DIRECTION VERSION 2 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ATMOSPHERIC PRESSURE VERSION 2 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BAROMETRIC PRESSURE VERSION 2 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOLAR RADIATION VERSION 2 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE DEW POINT VERSION 2 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE RAIN RATE VERSION 2 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE RAIN RATE VERSION 2 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE TIDE LEVEL VERSION 3 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE WEIGHT VERSION 3 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE CURRENT VERSION 3 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE CURRENT VERSION 3 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE AIR FLOW VERSION 3 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE AIR FLOW VERSION 3 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE AIR FLOW VERSION 3 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE AIR FLOW VERSION 3 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE AIR FLOW VERSION 3 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE AIR FLOW VERSION 3 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE DISTANCE VERSION 3 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ANGLE POSITION VERSION 4 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ANGLE POSITION VERSION 4 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ROTATION V5 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ROTATION V5 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ROTATION V5 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ROTATION V5 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOIL TEMPERATURE V5 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOIL TEMPERATURE V5 V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOIL TEMPERATURE V5 V5
      #define SENSOR MULTILEVEL SUPPORTED GET SCALE RELATIVE HUMIDITY VERSION 2 V5
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 #define SENSOR MULTILEVEL SUPPORTED GET SCALE WATER TEMPERATURE V5_V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOIL TEMPERATURE V5_V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SEISMIC INTENSITY V5_V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SEISMIC INTENSITY V5_V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SEISMIC MAGNITUDE V5_V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE LECTRICAL RESISTIVITY V5_V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE LECTRICAL CONDUCTIVITY V5_V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE LOUDNESS_V5_V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE LOUDNESS_V5_V5
#define SENSOR MULTILEVEL SUPPORTED GET SCALE MOISTURE V5_V5
/* Values used for Sensor Multilevel Supported Scale Report command */
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TEMPERATURE VERSION 1_V5
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT GENERAL PURPOSE VALUE VERSION 1_V5
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT JUMINANCE VERSION 1_V5
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT POWER VERSION 2_V5
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT POWER VERSION 2_V5
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT POWER VERSION 2_V5
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT POWER VERSION 2_V5
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DIRECTION VERSION 2_V5
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DIRECTION VERSION 2_V5
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DIRECTION VERSION 2_V5
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DIRECTION VERSION 2_V5
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DIRECTION VERSION 2_V5
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT ATMOSPHERIC PRESSURE VERSION 2_V5
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DIRECTION VERSION 2_V5
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DIRECTION VERSION 2_V5
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DIRECTION VERSION 2_V5
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 #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOLAR_RADIATION_VERSION_2_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RAIN_RATE_VERSION_2_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RAIN_RATE_VERSION_2_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIDE_LEVEL_VERSION_2_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIDE_LEVEL_VERSION_3_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VOLTAGE_VERSION_3_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CO2_LEVEL_VERSION_3_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CO2_LEVEL_VERSION_3_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CO2_LEVEL_VERSION_3_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TANK_CAPACITY_VERSION_3_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TANK_CAPACITY_VERSION_3_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_3_V5
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 #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_3_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ANGLE_POSITION_VERSION_4_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ROTATION_V5_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_TEMPERATURE_V5_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_TEMPERATURE_V5_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_INTENSITY_V5_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_MAGNITUDE_V5_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_UTRAVIOLET_V5_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_RESISTIVITY_V5_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LOUDNESS_V5_V5
#define_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LOUDNESS_V5_V5_V5
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     #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BOILTES1_SCALE_BIT_MASK_MASK_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_SCALE_BIT_MASK_MASK_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_MASK_V5
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_SHIFT_V5
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 /* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION_V6
#define SENSOR_MULTILEVEL_GET_V6
#define SENSOR_MULTILEVEL_REPORT_V6
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_V6
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_V6
/* Values used for Sensor_Multilevel_Get_command */
#define SENSOR_MULTILEVEL_GET_TEMPERATURE_VERSION_1_V6
#define SENSOR_MULTILEVEL_GET_GENERAL_PURPOSE_VALUE_VERSION_1_V6
#define SENSOR_MULTILEVEL_GET_LUMINANCE_VERSION_1_V6
#define SENSOR_MULTILEVEL_GET_LUMINANCE_VERSION_1_V6
#define SENSOR_MULTILEVEL_GET_POWER_VERSION_2_V6
#define SENSOR_MULTILEVEL_GET_VELOCITY_VERSION_2_V6
#define SENSOR_MULTILEVEL_GET_DIRECTION_VERSION_2_V6
#define SENSOR_MULTILEVEL_GET_DIRECTION_VERSION_2_V6
#define SENSOR_MULTILEVEL_GET_ATMOSPHERIC_PRESSURE_VERSION_2_V6
#define SENSOR_MULTILEVEL_GET_BAROMETRIC_PRESSURE_VERSION_2_V6
        /* Sensor Multilevel command class commands */
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#define SENSOR MULTILEVEL GET SOLAR RADIATION VERSION 2 V6
#define SENSOR MULTILEVEL GET DEW POINT VERSION 2 V6
#define SENSOR MULTILEVEL GET RAIN RATE VERSION 2 V6
#define SENSOR MULTILEVEL GET TIDE LEVEL VERSION 2 V6
#define SENSOR MULTILEVEL GET TIDE LEVEL VERSION 3 V6
#define SENSOR MULTILEVEL GET VOLTAGE VERSION 3 V6
#define SENSOR MULTILEVEL GET CURRENT VERSION 3 V6
#define SENSOR MULTILEVEL GET CURRENT VERSION 3 V6
#define SENSOR MULTILEVEL GET CO2 LEVEL VERSION 3 V6
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V6
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V6
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V6
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 4 V6
#define SENSOR MULTILEVEL GET ROTATION V5 V6
#define SENSOR MULTILEVEL GET SOIL TEMPERATURE V5 V6
#define SENSOR MULTILEVEL GET SOIL TEMPERATURE V5 V6
#define SENSOR MULTILEVEL GET SEISMIC INTENSITY V5 V6
#define SENSOR MULTILEVEL GET SEISMIC INTENSITY V5 V6
#define SENSOR MULTILEVEL GET SEISMIC MAGNITUDE V5 V6
#define SENSOR MULTILEVEL GET ELECTRICAL RESISTIVITY V5 V6
#define SENSOR MULTILEVEL GET ELECTRICAL RESISTIVITY V5 V6
#define SENSOR MULTILEVEL GET ELECTRICAL CONDUCTIVITY V5 V6
        #define SENSOR MULTILEVEL GET SOLAR RADIATION VERSION 2 V6
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    #define SENSOR_MULTILEVEL_GET_ELECTRICAL_RESISTIVITY_V5_V6
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_CONDUCTIVITY_V5_V6
#define SENSOR_MULTILEVEL_GET_LOUDNESS_V5_V6
#define SENSOR_MULTILEVEL_GET_MOISTURE_V5_V6
#define SENSOR_MULTILEVEL_GET_FREQUENCY_V6_V6
#define SENSOR_MULTILEVEL_GET_TIME_V6_V6
#define SENSOR_MULTILEVEL_GET_TARGET_TEMPERATURE_V6_V6
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED1_MASK_V6
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_SHIFT_V6
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_SHIFT_V6
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_MASK_V6
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V6
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V6
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V6
#values_used_for_Sensor_Multilevel_Report_command_*/
#define_SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V6
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#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_MASK_V6
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V6

/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V6
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V6
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V6
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V6
#define SENSOR_MULTILEVEL_REPORT_DOWER_VERSION_2_V6
#define SENSOR_MULTILEVEL_REPORT_DOWER_VERSION_2_V6
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V6
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V6
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V6
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V6
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V6
#define SENSOR_MULTILEVEL_REPORT_BOWN_POINT_VERSION_2_V6
#define SENSOR_MULTILEVEL_REPORT_BOWN_POINT_VERSION_2_V6
#define SENSOR_MULTILEVEL_REPORT_TOWN_POINT_VERSION_2_V6
#define SENSOR_MULTILEVEL_REPORT_TOWN_POINT_VERSION_2_V6
#define SENSOR_MULTILEVEL_REPORT_TOWN_POINT_VERSION_2_V6
#define SENSOR_MULTILEVEL_REPORT_TOWN_POINT_YERSION_2_V6
#define SENSOR_MULTILEVEL_REPORT_TOWN_POINT_VERSION_2_V6
#define SENSOR_MULTILEVEL_REPORT_TOWN_POINT_YERSION_3_V6
#define SENSOR_MULTILEVEL_REPORT_TOWN_POINT_NVERSION_3_V6
#define SENSOR_MULTILEVEL_REPORT_TOWN_POINT_NVERSION_1_V6
#define SENSOR_MULTILEVEL_REPORT_TOWN_POINT_NVERSION_1_V6
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            /* Values used for Sensor Multilevel Supported Get Scale command */
    /* Values used for Sensor Multilevel Supported Get Scale command */
#define SENSOR MULTILEVEL SUPPORTED GET SCALE TEMPERATURE VERSION 1 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE GENERAL PURPOSE VALUE VERSION 1 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE LUMINANCE VERSION 1 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE POWER VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE RELATIVE HUMIDITY VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE VELOCITY VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE DIRECTION VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE DIRECTION VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ATMOSPHERIC PRESSURE VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ATMOSPHERIC PRESSURE VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BAROMETRIC PRESSURE VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BAROMETRIC PRESSURE VERSION 2 V6
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#define SENSOR MULTILEVEL SUPPORTED GET SCALE DEW POINT VERSION 2 V6
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  #define SENSOR MULTILEVEL_SUPPORTED_GET_SCALE_DEW_POINT_VERSION_2_V6
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RAIN_RATE_VERSION_2_V6
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIDE_LEVEL_VERSION_2_V6
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WEIGHT_VERSION_3_V6
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CURRENT_VERSION_3_V6
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CURRENT_VERSION_3_V6
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_AIR_FLOW_VERSION_3_V6
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_AIR_FLOW_VERSION_3_V6
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 #define SENSOR MULTILEVEL SUPPORTED GET SCALE AIR FLOW VERSION 3 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE TANK CAPACITY VERSION 3 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE DISTANCE VERSION 3 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ANGLE POSITION VERSION 4 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ROTATION V5 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE WATER TEMPERATURE V5 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOIL TEMPERATURE V5 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SISMIC INTENSITY V5 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SEISMIC INTENSITY V5 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SEISMIC MAGNITUDE V5 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE LECTRICAL RESISTIVITY V5 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ELECTRICAL RESISTIVITY V5 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ELECTRICAL CONDUCTIVITY V5 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ELECTRICAL CONDUCTIVITY V5 V6
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ELECTRICAL CONDUCTIVITY V5 V6
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  #define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LOUDNESS_V5_V6
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LOUDNESS_V5_V6
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MOISTURE_V5_V6
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FREQUENCY_V6_V6
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIME_V6_V6_V6
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TARGET_TEMPERATURE_V6_V6
/* Values used for Sensor_Multilevel_Supported_Scale_Report_command */
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   #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LUMINANCE_VERSION_1_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_POWER_VERSION_2_V6
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  #define SENSOR MULTILEVEL SUPPORTED SCALE REPORT POWER VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT RELATIVE HUMIDITY VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT VELOCITY VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DIRECTION VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT ATMOSPHERIC PRESSURE VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT BAROMETRIC PRESSURE VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT SOLAR RADIATION VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DEW POINT VERSION 2 V6
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DEW POINT VERSION 2 V6
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#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DEW_POINT_VERSION_2_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DEW_POINT_VERSION_2_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DEW_POINT_VERSION_2_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIDE_LEVEL_VERSION_2_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WEIGHT_VERSION_3_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WEIGHT_VERSION_3_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CURRENT_VERSION_3_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CURRENT_VERSION_3_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_AIR_FLOW_VERSION_3_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_AIR_FLOW_VERSION_3_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_3_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_3_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_3_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_4_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_4_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_TEMPERATURE_V5_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_INTENSITY_V5_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_INTENSITY_V5_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_MAGNITUDE_V5_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_FREQUENCY_V6_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TREQUENCY_V6_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TREQUENCY_V6_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TREQUENCY_V6_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TREQUENCY_V6_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_T
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   #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_INE_V0
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TEMPERATURE_V6_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_SCALE_BIT_MASK_MASK_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_MASK_V6
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_SHIFT_V6
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     /* Sensor Multilevel command class commands */
 #define SENSOR_MULTILEVEL_VERSION_V7
#define SENSOR_MULTILEVEL_GET_V7
#define SENSOR_MULTILEVEL_REPORT_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_REPORT_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V7
/* Values used for Sensor_Multilevel_Get_command */
#define SENSOR_MULTILEVEL_GET_TEMPERATURE_VERSION_1_V7
#define SENSOR_MULTILEVEL_GET_GENERAL_PURPOSE_VALUE_VERSION_1_V7
#define SENSOR_MULTILEVEL_GET_LUMINANCE_VERSION_1_V7
#define SENSOR_MULTILEVEL_GET_POWER_VERSION_2_V7
#define SENSOR_MULTILEVEL_GET_RELATIVE_HUMIDITY_VERSION_2_V7
#define SENSOR_MULTILEVEL_GET_VELOCITY_VERSION_2_V7
#define SENSOR_MULTILEVEL_GET_DIRECTION_VERSION_2_V7
#define SENSOR_MULTILEVEL_GET_DIRECTION_VERSION_2_V7
#define SENSOR_MULTILEVEL_GET_ATMOSPHERIC_PRESSURE_VERSION_2_V7
#define SENSOR_MULTILEVEL_GET_BAROMETRIC_PRESSURE_VERSION_2_V7
    #define SENSOR_MULTILEVEL_VERSION_V7
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#define SENSOR MULTILEVEL GET SOLAR RADIATION VERSION 2 V7
#define SENSOR MULTILEVEL GET DEW POINT VERSION 2 V7
#define SENSOR MULTILEVEL GET RAIN RATE VERSION 2 V7
#define SENSOR MULTILEVEL GET TIDE LEVEL VERSION 2 V7
#define SENSOR MULTILEVEL GET TIDE LEVEL VERSION 3 V7
#define SENSOR MULTILEVEL GET VOLTAGE VERSION 3 V7
#define SENSOR MULTILEVEL GET CURRENT VERSION 3 V7
#define SENSOR MULTILEVEL GET CURRENT VERSION 3 V7
#define SENSOR MULTILEVEL GET CO2 LEVEL VERSION 3 V7
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V7
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V7
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V7
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 4 V7
#define SENSOR MULTILEVEL GET ROTATION V5 V7
#define SENSOR MULTILEVEL GET SILTEMPERATURE V5 V7
#define SENSOR MULTILEVEL GET SILSMIC INTENSITY V5 V7
#define SENSOR MULTILEVEL GET SEISMIC INTENSITY V5 V7
#define SENSOR MULTILEVEL GET SEISMIC MAGNITUDE V5 V7
#define SENSOR MULTILEVEL GET LUTRAVIOLET V5 V7
#define SENSOR MULTILEVEL GET LUTRAVIOLET V5 V7
#define SENSOR MULTILEVEL GET ELECTRICAL RESISTIVITY V5 V7
#define SENSOR MULTILEVEL GET ELECTRICAL CONDUCTIVITY V5 V7
#define SENSOR MULTILEVEL GET ELECTRICAL CONDUCTIVITY V5 V7
       #define SENSOR MULTILEVEL GET SOLAR RADIATION VERSION 2 V7
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  #define SENSOR MULTILEVEL GET ELECTRICAL RESISTIVITY_V5_V7
#define SENSOR MULTILEVEL GET_ELECTRICAL CONDUCTIVITY_V5_V7
#define SENSOR MULTILEVEL GET_ELECTRICAL CONDUCTIVITY_V5_V7
#define SENSOR MULTILEVEL GET_LOUDNESS_V5_V7
#define SENSOR MULTILEVEL GET_FREQUENCY_V6_V7
#define SENSOR MULTILEVEL GET_FREQUENCY_V6_V7
#define SENSOR MULTILEVEL GET_TIME_V6_V7
#define SENSOR MULTILEVEL GET_TARGET_TEMPERATURE_V6_V7
#define SENSOR MULTILEVEL GET_FARTICULATE_MATTER_2_5_V7_V7
#define SENSOR MULTILEVEL GET_FORMALDEHYDE_CH2O_LEVEL_V7_V7
#define SENSOR MULTILEVEL GET_FORMALDEHYDE_CH2O_LEVEL_V7_V7
#define SENSOR MULTILEVEL GET_METHANE_DENSITY_CH4_V7_V7
#define SENSOR MULTILEVEL GET_CARBON MONOXIDE_COMPOUND_V7_V7
#define SENSOR MULTILEVEL GET_CARBON MONOXIDE_COMPOUND_V7_V7
#define SENSOR MULTILEVEL GET_SOIL_HUMIDITY_V7_V7
#define SENSOR MULTILEVEL GET_SOIL_BALINITY_V7_V7
#define SENSOR MULTILEVEL GET_SOIL_SALINITY_V7_V7
#define SENSOR_MULTILEVEL GET_BLICALINITY_V7_V7
#define SENSOR_MULTILEVEL GET_BLICALINITY_V7_V7
#define SENSOR_MULTILEVEL_GET_HEART_RATE_V7_V7
#define SENSOR_MULTILEVEL_GET_BLOOD_PRESSURE_V7_V7
#define SENSOR_MULTILEVEL_GET_BLOOD_PRESSURE_V7_V7
#define SENSOR_MULTILEVEL_GET_BLOOD_PRESSURE_V7_V7
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        #define SENSOR_MULTILEVEL_GET_MUSCLE_MASS_V7_V7
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    #define SENSOR_MULTILEVEL_GET_MOSCLE_MASS_V7_V7
#define SENSOR_MULTILEVEL_GET_FAT_MASS_V7_V7
#define SENSOR_MULTILEVEL_GET_BONE_MASS_V7_V7
#define SENSOR_MULTILEVEL_GET_BONE_MASS_V7_V7
#define SENSOR_MULTILEVEL_GET_BASIC_METABOLIC_RATE_BMR_V7_V7
#define SENSOR_MULTILEVEL_GET_BODY_MASS_INDEX_BMI_V7_V7
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED1_MASK_V7
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_MASK_V7
#define_SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_MASK_V7
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     #define SENSOR MULTILEVEL GET_PROPERTIES1_SCALE_SHIFT_V7
#define SENSOR MULTILEVEL GET_PROPERTIES1_RESERVED2_MASK_V7
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V7
/* Values used for Sensor Multilevel Report command */
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#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V7

/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V7
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V7
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V7
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V7
#define SENSOR_MULTILEVEL_REPORT_DOWER_VERSION_2_V7
#define SENSOR_MULTILEVEL_REPORT_POWER_VERSION_2_V7
#define SENSOR_MULTILEVEL_REPORT_POWER_VERSION_2_V7
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V7
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V7
#define SENSOR_MULTILEVEL_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V7
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V7
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V7
#define SENSOR_MULTILEVEL_REPORT_DOWN_FORDINT_VERSION_2_V7
#define SENSOR_MULTILEVEL_REPORT_DOWN_FORDINT_VERSION_2_V7
#define SENSOR_MULTILEVEL_REPORT_DOWN_FORDINT_VERSION_2_V7
#define SENSOR_MULTILEVEL_REPORT_WEIGHT_VERSION_3_V7
#define SENSOR_MULTILEVEL_REPORT_WEIGHT_VERSION_3_V7
#define SENSOR_MULTILEVEL_REPORT_CON_LEVEL_VERSION_3_V7
#define SENSOR_MULTILEVEL_REPORT_CON_LEVEL_VERSION_3_V7
#define SENSOR_MULTILEVEL_REPORT_CON_LEVEL_VERSION_3_V7
#define SENSOR_MULTILEVEL_REPORT_TANK_CAPACITY_VERSION_3_V7
#define SENSOR_MULTILEVEL_REPORT_AIR_FLOW_VERSION_3_V7
#define SENSOR_MULTILEVEL_REPORT_ANGLE_POSITION_VERSION_4_V7
#define SENSOR_MULTILEVEL_REPORT_BOIL_TEMPERATURE_V5_V7
#define SENSOR_MULTILEVEL_REPORT_SOIL_TEMPERATURE_V5_V7
#define SENSOR_MULTILEVEL_REPORT_SOIL_TEMPERATURE_V5_V7
#define SENSOR_MULTILEVEL_REPORT_BOIL_TEMPERATURE_V5_V7
#define SENSOR_MULTILEVEL_REPORT_BOILSTURE_V5
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#define SENSOR_MULTILEVEL_REPORT_TARGET_TEMPERATURE_V6_V7
#define SENSOR_MULTILEVEL_REPORT_PARTICULATE_MATTER_2_5_V7_V7
#define SENSOR_MULTILEVEL_REPORT_FORMALDEHYDE_CH2O_LEVEL_V7_V7
#define SENSOR_MULTILEVEL_REPORT_RADON_CONCENTRATION_V7_V7
#define SENSOR_MULTILEVEL_REPORT_WETHANE_DENSITY_CH4_V7_V7
#define SENSOR_MULTILEVEL_REPORT_VOLATILE_ORGANIC_COMPOUND_V7_V7
#define SENSOR_MULTILEVEL_REPORT_CARBON_MONOXIDE_CO_LEVEL_V7_V7
#define SENSOR_MULTILEVEL_REPORT_SOIL_HUMIDITY_V7_V7
#define SENSOR_MULTILEVEL_REPORT_SOIL_BEACTIVITY_V7_V7
#define SENSOR_MULTILEVEL_REPORT_SOIL_SALINITY_V7_V7
#define SENSOR_MULTILEVEL_REPORT_BATE_RATE_V7_V7
#define SENSOR_MULTILEVEL_REPORT_BLOOD_PRESSURE_V7_V7
#define SENSOR_MULTILEVEL_REPORT_BLOOD_PRESSURE_V7_V7
#define SENSOR_MULTILEVEL_REPORT_BLOOD_PRESSURE_V7_V7
#define SENSOR_MULTILEVEL_REPORT_BONE_MASS_V7_V7
#define SENSOR_MULTILEVEL_REPORT_BONE_MASS_INDEX_BMI_V7_V7
#define SENSOR_MULTILEVEL_REPORT_BONE_MASS_INDEX_BMI_V7_V7
   #define SENSOR MULTILEVEL REPORT TARGET TEMPERATURE V6 V7
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 #define SENSOR MULTILEVEL REPORT BASIC METABOLIC RATE BMR V7 V7
#define SENSOR MULTILEVEL REPORT BODY MASS INDEX BMI V7 V7
#define SENSOR MULTILEVEL REPORT LEVEL SIZE MASK V7
#define SENSOR MULTILEVEL REPORT LEVEL SCALE MASK V7
#define SENSOR MULTILEVEL REPORT LEVEL SCALE SHIFT V7
#define SENSOR MULTILEVEL REPORT LEVEL PRECISION MASK V7
#define SENSOR MULTILEVEL REPORT LEVEL PRECISION SHIFT V7
/* Values used for Sensor Multilevel Supported Get Scale command */
#define SENSOR MULTILEVEL REPORT PROPERTY OF THE COLUMN TEMPER MULTILEVEL VERSION 1
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  #define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TEMPERATURE_VERSION_1_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_GENERAL_PURPOSE_VALUE_VERSION_1_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LUMINANCE_VERSION_1_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_POWER_VERSION_2_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RELATIVE_HUMIDITY_VERSION_2_V7
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 #define SENSOR MULTILEVEL SUPPORTED GET SCALE RELATIVE HUMIDITY VERSION 2 V/
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VELOCITY VERSION 2 V/
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DIRECTION_VERSION 2 V/
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ATMOSPHERIC_PRESSURE_VERSION 2 V/
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BAROMETRIC_PRESSURE_VERSION 2 V/
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOLAR_RADIATION_VERSION_2 V/
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DEW_POINT_VERSION_2 V/
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RAIN_RATE_VERSION_2 V/
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RAIN_RATE_VERSION_2 V/
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RAIN_RATE_VERSION_2 V/
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    #define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIDE_LEVEL_VERSION_2_V7
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#define SENSOR MULTILEVEL SUPPORTED GET SCALE TIDE LEVEL VERSION 2 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE WEIGHT VERSION 3 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE VOLTAGE VERSION 3 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE CURRENT VERSION 3 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE CO2 LEVEL VERSION 3 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE AIR FLOW VERSION 3 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE TANK CAPACITY VERSION 3 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE DISTANCE VERSION 3 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ANGLE POSITION VERSION 4 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ANGLE POSITION VERSION 4 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ROTATION V5 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE WATER TEMPERATURE V5 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOIL TEMPERATURE V5 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOIL TEMPERATURE V5 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SISMIC INTENSITY V5 V7
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#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOIL TEMPERATURE V5 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SEISMIC INTENSITY V5 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SEISMIC MAGNITUDE V5 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ULTRAVIOLET V5 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ELECTRICAL RESISTIVITY V5 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ELECTRICAL CONDUCTIVITY V5 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE LOUDNESS V5 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE MOISTURE V5 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE FREQUENCY V6 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE TIME V6 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE TIME V6 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE TARGET TEMPERATURE V6 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE PARTICULATE MATTER 2 5 V7 V7
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 #define SENSOR MULTILEVEL SUPPORTED GET SCALE TARGET TEMPERATURE V6 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE PARTICULATE MATTER 2 5 V7 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE FORMALDEHYDE CH2O LEVEL V7 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE RADON CONCENTRATION V7 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE METHANE DENSITY CH4 V7 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE VOLATILE ORGANIC COMPOUND V7 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE CARBON MONOXIDE CO LEVEL V7 V7
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOIL HUMIDITY V7 V7
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#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_HUMIDITY_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_REACTIVITY_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_SALINITY_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_HEART_RATE_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BLOOD_PRESSURE_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MUSCLE_MASS_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FAT_MASS_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BONE_MASS_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BONE_MASS_UNDEX_BMI_V7_V7
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    #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TEMPERATURE_VERSION_1_V7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x01
  #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LUMINANCE_VERSION_1_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_POWER_VERSION_2_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RELATIVE_HUMIDITY_VERSION_2_V7
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#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VELOCITY_VERSION_2_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DIRECTION_VERSION_2_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0x06
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DIRECTION_VERSION_2_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOLAR_RADIATION_VERSION_2_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DEW_POINT_VERSION_2_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RAIN_RATE_VERSION_2_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIDE_LEVEL_VERSION_2_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WEIGHT_VERSION_3_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VOLTAGE_VERSION_3_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VOLTAGE_VERSION_3_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_COL_LEVEL_VERSION_3_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_AIR_FLOW_VERSION_3_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_AIR_FLOW_VERSION_3_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_3_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOLL_TEMPERATURE_VS_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOLL_TEMPERATURE_VS_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOLL_TEMPERATURE_VS_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VS_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VS_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VS_V7
#define SENSOR_MULTILEVEL_SUPPORTE
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    #define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TARGET TEMPERATURE V6 V7
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT PARTICULATE MATTER 2 5 V7 V7
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT FORMALDEHYDE CH20 LEVEL V7 V7
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT RADON CONCENTRATION V7 V7
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT METHANE DENSITY CH4 V7 V7
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT VOLATILE ORGANIC COMPOUND V7 V7
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT CARBON MONOXIDE CO LEVEL V7 V7
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT SOIL HUMIDITY V7 V7
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  #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_HUMIDITY_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_REACTIVITY_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_SALINITY_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BLOOD_PRESSURE_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BLOOD_PRESSURE_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_MUSCLE_MASS_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONE_MASS_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONE_MASS_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONE_MASS_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONE_MASS_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONE_MASS_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONE_MASS_NDEX_BMI_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONY_MASS_NDEX_BMI_V7_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_SCALE_BIT_MASK_MASK_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_MASK_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_MASK_V7
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_MASK_V7
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      #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_SHIFT_V7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0x04
     /* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION_V8
#define SENSOR_MULTILEVEL_GET_V8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0x08
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     #define SENSOR_MULTILEVEL_GEI_V0
#define SENSOR_MULTILEVEL_REPORT_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V8
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 #define SENSOR MULTILEVEL SUPPORTED SCALE REPORT V8

/* Values used for Sensor Multilevel Get command */
#define SENSOR MULTILEVEL GET TEMPERATURE VERSION 1 V8
#define SENSOR MULTILEVEL GET GENERAL PURPOSE VALUE VERSION 1 V8
#define SENSOR MULTILEVEL GET GENERAL PURPOSE VALUE VERSION 1 V8
#define SENSOR MULTILEVEL GET LUMINANCE VERSION 1 V8
#define SENSOR MULTILEVEL GET POWER VERSION 2 V8
#define SENSOR MULTILEVEL GET PELATIVE HUMIDITY VERSION 2 V8
#define SENSOR MULTILEVEL GET VELOCITY VERSION 2 V8
#define SENSOR MULTILEVEL GET DIRECTION VERSION 2 V8
#define SENSOR MULTILEVEL GET ATMOSPHERIC PRESSURE VERSION 2 V8
#define SENSOR MULTILEVEL GET BAROMETRIC PRESSURE VERSION 2 V8
#define SENSOR MULTILEVEL GET BAROMETRIC PRESSURE VERSION 2 V8
#define SENSOR MULTILEVEL GET DEW POINT VERSION 2 V8
#define SENSOR MULTILEVEL GET DEW POINT VERSION 2 V8
#define SENSOR MULTILEVEL GET TIDE LEVEL VERSION 2 V8
#define SENSOR MULTILEVEL GET WEIGHT VERSION 3 V8
#define SENSOR MULTILEVEL GET TIDE LEVEL VERSION 3 V8
#define SENSOR MULTILEVEL GET CURRENT VERSION 3 V8
#define SENSOR MULTILEVEL GET CURRENT VERSION 3 V8
#define SENSOR MULTILEVEL GET CURRENT VERSION 3 V8
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V8
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V8
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V8
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V8
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V8
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V8
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V8
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V8
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V8
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V8
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V8
#define SENSOR MULTILEVEL GET TANK CAPACITY VERSION 3 V8
#define SENSOR MULTILEVEL GET TANGLE POSITION VERSION 4 V8
#define SENSOR MULTILEVEL GET TANGLE POSITION VERSION 4 V8
#define SENSOR MULTILEVEL GET TANGLE POSITION VERSION 4 V8
          /* Values used for Sensor Multilevel Get command */
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#define SENSOR_MULTILEVEL_GET_WATER_TEMPERATURE_V5_V8
#define SENSOR_MULTILEVEL_GET_SOIL_TEMPERATURE_V5_V8
#define SENSOR_MULTILEVEL_GET_SEISMIC_INTENSITY_V5_V8
#define SENSOR_MULTILEVEL_GET_SEISMIC_MAGNITUDE_V5_V8
#define SENSOR_MULTILEVEL_GET_ULTRAVIOLET_V5_V8
#define SENSOR_MULTILEVEL_GET_ULTRAVIOLET_V5_V8
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_RESISTIVITY_V5_V8
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_CONDUCTIVITY_V5_V8
#define SENSOR_MULTILEVEL_GET_LOUDNESS_V5_V8
#define SENSOR_MULTILEVEL_GET_MOISTURE_V5_V8
#define SENSOR_MULTILEVEL_GET_FREQUENCY_V6_V8
#define SENSOR_MULTILEVEL_GET_TARGET_TEMPERATURE_V6_V8
#define SENSOR_MULTILEVEL_GET_TARGET_TEMPERATURE_V6_V8
#define SENSOR_MULTILEVEL_GET_TARGET_TEMPERATURE_V6_V8
#define SENSOR_MULTILEVEL_GET_FORMALDEHYDE_CH2O_LEVEL_V7_V8
#define SENSOR_MULTILEVEL_GET_FORMALDEHYDE_CH2O_LEVEL_V7_V8
#define SENSOR_MULTILEVEL_GET_FORMALDEHYDE_CH2O_LEVEL_V7_V8
#define SENSOR_MULTILEVEL_GET_FORMALDEHYDE_CH2O_LEVEL_V7_V8
#define SENSOR_MULTILEVEL_GET_CARBON_MONXIDE_COMPOUND_V7_V8
#define SENSOR_MULTILEVEL_GET_SOIL_HUMIDITY_V7_V8
#define SENSOR_MULTILEVEL_GET_SOIL_HUMIDITY_V7_V8
#define SENSOR_MULTILEVEL_GET_SOIL_HUMIDITY_V7_V8
#define SENSOR_MULTILEVEL_GET_SOIL_BACATIVITY_V7_V8
#define SENSOR_MULTILEVEL_GET_SOIL_SALINITY_V7_V8
#define SENSOR_MULTILEVEL_GET_SOIL_SALINITY_V7_V8
#define SENSOR_MULTILEVEL_GET_BONE_MASS_V7_V8
#define SENSOR_MULTILEV
         #define SENSOR MULTILEVEL GET WATER TEMPERATURE V5 V8
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#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_MASK_V8
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_MASK_V8
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_MASK_V8
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V8
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V8
#define SENSOR_MULTILEVEL_REPORT_CENERAL_PURPOSE_VALUE_VERSION_1_V8
#define SENSOR_MULTILEVEL_REPORT_DOWER_VERSION_1_V8
#define SENSOR_MULTILEVEL_REPORT_DOWER_VERSION_1_V8
#define SENSOR_MULTILEVEL_REPORT_DOWER_VERSION_2_V8
#define SENSOR_MULTILEVEL_REPORT_DOWER_VERSION_2_V8
#define SENSOR_MULTILEVEL_REPORT_DOWER_VERSION_2_V8
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V8
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V8
#define SENSOR_MULTILEVEL_REPORT_DRAMCMERTOR_PERSURE_VERSION_2_V8
#define SENSOR_MULTILEVEL_REPORT_DRAMCMERTOR_PERSURE_VERSION_2_V8
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V8
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V8
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V8
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V8
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V8
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V8
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_3_V8
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_3_V8
#define SENSOR_MULTILEVEL_REPORT_CURRENT_VERSION_3_V8
#define SENSOR_MULTILEVEL_REPORT_COL_LEVEL_VERSION_3_V8
#define SENSOR_MULTILEVEL_REPORT_DISTANCE_VERSION_3_V8
#define SENSOR_MULTILEVEL_REPORT_DISTANCE_VERSION_YV8
#define SENSOR_MULTILEVEL_REPORT_DISTANCE_VERSION_V
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          #define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_MASK_V8
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         #define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V8
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#define SENSOR MULTILEVEL REPORT SOIL SALINITY V7 V8
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   #define SENSOR MULTILEVEL REPORT HEART RATE V7_V8
#define SENSOR_MULTILEVEL_REPORT_BLOOD_PRESSURE_V7_V8
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  #define SENSOR_MULTILEVEL_REPORT_MUSCLE_MASS_V7_V8
#define SENSOR_MULTILEVEL_REPORT_MUSCLE_MASS_V7_V8
#define SENSOR_MULTILEVEL_REPORT_BONE_MASS_V7_V8
#define SENSOR_MULTILEVEL_REPORT_BONE_MASS_V7_V8
#define SENSOR_MULTILEVEL_REPORT_TOTAL_BODY_WATER_TBW_V7_V8
#define SENSOR_MULTILEVEL_REPORT_BASIC_METABOLIC_RATE_BMR_V7_V8
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 #define SENSOR_MULTILEVEL_REPORT_BODY_MASS_INDEX_BMI_V7_V8
#define SENSOR_MULTILEVEL_REPORT_BODY_MASS_INDEX_BMI_V7_V8
#define SENSOR_MULTILEVEL_REPORT_ACCELERATION_Y_AXIS_V8_V8
#define SENSOR_MULTILEVEL_REPORT_ACCELERATION_Y_AXIS_V8_V8
#define SENSOR_MULTILEVEL_REPORT_SMOKE_DENSITY_V8_V8
#define SENSOR_MULTILEVEL_REPORT_EVEL_SIZE_MASK_V8
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK_V8
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK_V8
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK_V8
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  #define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK_V8
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_MASK_V8
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT_V8
/* Values used for Sensor_Multilevel Supported Get Scale command */
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/* Values used for Sensor Multilevel Supported Get Scale command */
#define SENSOR MULTILEVEL_SUPPORTED_GET_SCALE_TEMPERATURE_VERSION_1_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_GENERAL_PURPOSE_VALUE_VERSION_1_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LUMINANCE_VERSION_1_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_POWER_VERSION_2_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RELATIVE_HUMIDITY_VERSION_2_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VELOCITY_VERSION_2_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DIRECTION_VERSION_2_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ATMOSPHERIC_PRESSURE_VERSION_2_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ATMOSPHERIC_PRESSURE_VERSION_2_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BERROMETRIC_PRESSURE_VERSION_2_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BERROMETRIC_PRESSURE_VERSION_2_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BOLDAR_RADIATION_VERSION_2_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BOLDAR_RADIATION_VERSION_2_V8
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 #define SENSOR MULTILEVEL SUPPORTED GET SCALE SOLAR RADIATION VERSION.
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DEW_POINT_VERSION_2_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RAIN_RATE_VERSION_2_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIDE_LEVEL_VERSION_2_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WEIGHT_VERSION_3_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VOLTAGE_VERSION_3_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CURRENT_VERSION_3_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CURRENT_VERSION_3_V8
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#define SENSOR MULTILEVEL SUPPORTED GET SCALE CO2_LEVEL_VERSION_3_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CO2_LEVEL_VERSION_3_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_AIR_FLOW_VERSION_3_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TANK_CAPACITY_VERSION_3_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TANK_CAPACITY_VERSION_3_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DISTANCE_VERSION_3_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ANGLE_POSITION_VERSION_4_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ROTATION_V5_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WATER_TEMPERATURE_V5_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_TEMPERATURE_V5_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_INTENSITY_V5_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_MAGNITUDE_V5_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_MAGNITUDE_V5_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LECTRICAL_RESISTIVITY_V5_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LECTRICAL_RESISTIVITY_V5_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LECTRICAL_CONDUCTIVITY_V5_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LECTRICAL_CONDUCTIVITY_V5_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MOISTURE_V5_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MOISTURE_V5_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LECTRICAL_CONDUCTIVITY_V5_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIME_V6_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TARGET_TEMPERATURE_V6_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TARGET_TEMPERATURE_V6_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FORMALDEHYDE_CLOO_LEVEL_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FORMALDEHYDE_CLOO_LEVEL_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FORMALDEHYDE_CLOO_LEVEL_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CARBON_MONOXIDE_CO_LEVEL_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CARBON_MONOXIDE_CO_LEVEL_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CARBON_MONOXIDE_CO_L
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 #define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VOLATILE_ORGANIC_COMPOUND_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CARBON_MONOXIDE_CO_LEVEL_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_HUMIDITY_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_REACTIVITY_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_SALINITY_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_HEART_RATE_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BLOOD_PRESSURE_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MUSCLE_MASS_V7_V8
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  #define SENSOR MULTILEVEL SUPPORTED GET SCALE FAT MASS_V7_V8
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BONE MASS_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BONE_MASS_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TOTAL_BODY_WATER_TBW_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BASIC_METABOLIC_RATE_BMR_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BODY_MASS_INDEX_BMI_V7_V8
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   #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TEMPERATURE_VERSION_1_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V8
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  #define Sensor Multilevel Supported Scale Report Luminance Version 1 v8
#define Sensor Multilevel Supported Scale Report Power Version 2 v8
#define Sensor Multilevel Supported Scale Report Power Version 2 v8
#define Sensor Multilevel Supported Scale Report Relative Humidity Version 2 v8
#define Sensor Multilevel Supported Scale Report Velocity Version 2 v8
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#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DIRECTION VERSION 2 V8
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   #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V8
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  #define SENSOR MULTILEVEL SUPPORTED SCALE REPORT SOLAR RADIATION VERSION 2 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DEW POINT VERSION 2 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT RAIN RATE VERSION 2 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TIDE LEVEL VERSION 2 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TIDE LEVEL VERSION 2 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT WEIGHT VERSION 3 V8
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#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT WEIGHT VERSION 3 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT VOLTAGE VERSION 3 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT CURRENT VERSION 3 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT CO2 LEVEL VERSION 3 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT CO2 LEVEL VERSION 3 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TANK CAPACITY VERSION 3 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TANK CAPACITY VERSION 3 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DISTANCE VERSION 3 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT ANGLE POSITION VERSION 4 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TANTANCE VERSION 5 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TOTATION V5 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT WATER TEMPERATURE V5 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT SOIL TEMPERATURE V5 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT SILMIC INTENSITY V5 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT SEISMIC MAGNITUDE V5 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT LUTRAVIOLET V5 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT LUTRAVIOLET V5 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT ELECTRICAL RESISTIVITY V5 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT ELECTRICAL CONDUCTIVITY V5 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT ELECTRICAL CONDUCTIVITY V5 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT HEACT AND CONDUCTIVITY V5 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT HEACT AND CONDUCTIVITY V5 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT HEACT AND CONDUCTIVITY V5 V8
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT FREQUENCY V6 V8
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  #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_FREQUENCY_V6_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TRIEL_V6_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TARGET_TEMPERATURE_V6_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PARTICULATE_MATTER_2_5_V7_V8
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 #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PARTICULATE_MATTER_2 5 V7 V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_FORMALDEHYDE_CH2O_LEVEL_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RADON_CONCENTRATION_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WITHAN DENSITY_CH4_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CARBON_MONOXIDE_CO_LEVEL_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_HUMIDITY_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_HUMIDITY_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_REACTIVITY_V7_V8
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#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_REACTIVITY_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_SALINITY_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_HEART_RATE_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BLOOD_PRESSURE_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_MUSCLE_MASS_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONE_MASS_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONE_MASS_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONE_MASS_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONE_MASS_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONE_MASS_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BASIC_METABOLIC_RATE_BMR_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BODY_MASS_INDEX_BMI_V7_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ACCELERATION_X_AXIS_V8_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ACCELERATION_Y_AXIS_V8_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ACCELERATION_Y_AXIS_V8_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ACCELERATION_Y_AXIS_V8_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ACCELERATION_Y_AXIS_V8_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_SCALE_BIT_MASK_MASK_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_MASK_V8
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_SHIFT_V8
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    /* Sensor Multilevel command class commands */
/* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION_V9
#define SENSOR_MULTILEVEL_GET_V9
#define SENSOR_MULTILEVEL_REPORT_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_REPORT_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V9
/* Values used for Sensor Multilevel Get command */
#define SENSOR_MULTILEVEL_GET_TEMPERATURE_VERSION_1_V9
#define SENSOR_MULTILEVEL_GET_LUMINANCE_VERSION_1_V9
#define SENSOR_MULTILEVEL_GET_LUMINANCE_VERSION_1_V9
#define SENSOR_MULTILEVEL_GET_POWER_VERSION_2_V9
#define SENSOR_MULTILEVEL_GET_POWER_VERSION_2_V9
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#define SENSOR_MULTILEVEL_GET_LUMINANCE_VERSION_1_V9
#define SENSOR_MULTILEVEL_GET_POWER_VERSION_2_V9
#define SENSOR_MULTILEVEL_GET_RELATIVE_HUMIDITY_VERSION_2_V9
#define SENSOR_MULTILEVEL_GET_UELOCITY_VERSION_2_V9
#define SENSOR_MULTILEVEL_GET_DIRECTION_VERSION_2_V9
#define SENSOR_MULTILEVEL_GET_ATMOSPHERIC_PRESSURE_VERSION_2_V9
#define SENSOR_MULTILEVEL_GET_BAROMETRIC_PRESSURE_VERSION_2_V9
#define SENSOR_MULTILEVEL_GET_SOLAR_RADIATION_VERSION_2_V9
#define SENSOR_MULTILEVEL_GET_DEW_POINT_VERSION_2_V9
#define SENSOR_MULTILEVEL_GET_TIDE_LEVEL_VERSION_2_V9
#define SENSOR_MULTILEVEL_GET_TIDE_LEVEL_VERSION_2_V9
#define SENSOR_MULTILEVEL_GET_TIDE_LEVEL_VERSION_2_V9
#define SENSOR_MULTILEVEL_GET_WELIGHT_VERSION_3_V9
#define SENSOR_MULTILEVEL_GET_VOLTAGE_VERSION_3_V9
#define SENSOR_MULTILEVEL_GET_VOLTAGE_VERSION_3_V9
#define SENSOR_MULTILEVEL_GET_CURRENT_VERSION_3_V9
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  #define SENSOR_MULTILEVEL_GET_CURRENT_VERSION_3_V9
#define SENSOR_MULTILEVEL_GET_CO2_LEVEL_VERSION_3_V9
#define SENSOR_MULTILEVEL_GET_AIR_FLOW_VERSION_3_V9
#define SENSOR_MULTILEVEL_GET_TANK_CAPACITY_VERSION_3_V9
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#define SENSOR_MULTILEVEL_GET_DISTANCE_VERSION_3_V9
#define SENSOR_MULTILEVEL_GET_ANGLE_POSITION_VERSION_4_V9
#define SENSOR_MULTILEVEL_GET_ROTATION_V5_V9
#define SENSOR_MULTILEVEL_GET_ROTATION_V5_V9
#define SENSOR_MULTILEVEL_GET_SOIL_TEMPERATURE_V5_V9
#define SENSOR_MULTILEVEL_GET_SOIL_TEMPERATURE_V5_V9
#define SENSOR_MULTILEVEL_GET_SEISMIC_INTENSITY_V5_V9
#define SENSOR_MULTILEVEL_GET_SEISMIC_MAGNITUDE_V5_V9
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_RESISTIVITY_V5_V9
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_CONDUCTIVITY_V5_V9
#define SENSOR_MULTILEVEL_GET_LECTRICAL_CONDUCTIVITY_V5_V9
#define SENSOR_MULTILEVEL_GET_LOUDNESS_V5_V9
#define SENSOR_MULTILEVEL_GET_MOISTURE_V5_V9
#define SENSOR_MULTILEVEL_GET_TIME_V6_V9
#define SENSOR_MULTILEVEL_GET_TREQUENCY_V6_V9
#define SENSOR_MULTILEVEL_GET_TREQUENCY_V6_V9
#define SENSOR_MULTILEVEL_GET_TREQUENCY_V6_V9
#define SENSOR_MULTILEVEL_GET_TREDET_TEMPERATURE_V6_V9
#define SENSOR_MULTILEVEL_GET_TREQUENCY_V6_V9
#define SENSOR_MULTILEVEL_GET_TRADEN_CONCENTRATION_V7_V9
#define SENSOR_MULTILEVEL_GET_RADON_CONCENTRATION_V7_V9
#define SENSOR_MULTILEVEL_GET_METHANE_DENSITY_CH4_V7_V9
#define SENSOR_MULTILEVEL_GET_METHANE_DENSITY_CH4_V7_V9
#define SENSOR_MULTILEVEL_GET_METHANE_DENSITY_CH4_V7_V9
#define SENSOR_MULTILEVEL_GET_SOIL_HEACTIVITY_V7_V9
#define SENSOR_MULTILEVEL_GET_SOIL_HUMIDITY_V7_V9
#define SENSOR_MULTILEVEL_GET_SOIL_HUMIDITY_V7_V9
#define SENSOR_MULTILEVEL_GET_SOIL_BADS_V7_V9
#define SENSOR_MULTILEVEL_GET_BLOOD_PRESSURE_V7_V9
#define SENSOR_MULTILEVEL_GET_HEART_RATE_V7_V9
#define SENSOR_MULTILEVEL_GET_BLOOD_PRESSURE_V7_V9
#define SENSOR_MULTILEVEL_GET_BONY_MASS_V7_V9
#define SENSOR_MULTILEVEL_GET_BONY_MASS_V7
            #define SENSOR MULTILEVEL GET DISTANCE VERSION 3 V9
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        #define SENSOR_MULTILEVEL_GET_SMOKE_DENSITY_V8_V9
#define SENSOR_MULTILEVEL_GET_WATER_FLOW_V9_V9
#define SENSOR_MULTILEVEL_GET_WATER_PRESSURE_V9_V9
#define SENSOR_MULTILEVEL_GET_RF_SIGNAL_STRENGTH_V9_V9
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED1_MASK_V9
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_MASK_V9
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_SHIFT_V9
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_MASK_V9
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V9
/* Values_used_for_Sensor_Multilevel_Report_command_*/
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      #define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V9

/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V9
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V9
#define SENSOR_MULTILEVEL_REPORT_DEVERSION_2_V9
#define SENSOR_MULTILEVEL_REPORT_POWER_VERSION_2_V9
#define SENSOR_MULTILEVEL_REPORT_RELATIVE_HUMIDITY_VERSION_2_V9
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V9
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V9
#define SENSOR_MULTILEVEL_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V9
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V9
#define SENSOR_MULTILEVEL_REPORT_SOLAR_RADIATION_VERSION_2_V9
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V9
#define SENSOR_MULTILEVEL_REPORT_RAIN_RATE_VERSION_2_V9
#define SENSOR_MULTILEVEL_REPORT_RAIN_RATE_VERSION_2_V9
#define SENSOR_MULTILEVEL_REPORT_TAIN_RATE_VERSION_2_V9
#define SENSOR_MULTILEVEL_REPORT_TAIN_RATE_VERSION_3_V9
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  #define SENSOR MULTILEVEL REPORT TIDE LEVEL VERSION 2 V9
#define SENSOR MULTILEVEL REPORT TIDE LEVEL VERSION 2 V9
#define SENSOR MULTILEVEL REPORT WEIGHT VERSION 3 V9
#define SENSOR MULTILEVEL REPORT VOLTAGE VERSION 3 V9
#define SENSOR MULTILEVEL REPORT CURRENT VERSION 3 V9
#define SENSOR MULTILEVEL REPORT CURRENT VERSION 3 V9
#define SENSOR MULTILEVEL REPORT CO2 LEVEL VERSION 3 V9
#define SENSOR MULTILEVEL REPORT AIR FLOW VERSION 3 V9
#define SENSOR MULTILEVEL REPORT AIR FLOW VERSION 3 V9
#define SENSOR MULTILEVEL REPORT DISTANCE VERSION 3 V9
#define SENSOR MULTILEVEL REPORT DISTANCE VERSION 3 V9
#define SENSOR MULTILEVEL REPORT ANGLE POSITION VERSION 4 V9
#define SENSOR MULTILEVEL REPORT ROTATION V5 V9
#define SENSOR MULTILEVEL REPORT WATER TEMPERATURE V5 V9
#define SENSOR MULTILEVEL REPORT SEISMIC INTENSITY V5 V9
#define SENSOR MULTILEVEL REPORT SEISMIC MAGNITUDE V5 V9
#define SENSOR MULTILEVEL REPORT SEISMIC MAGNITUDE V5 V9
#define SENSOR MULTILEVEL REPORT ELECTRICAL RESISTIVITY V5 V9
#define SENSOR MULTILEVEL REPORT ELECTRICAL CONDUCTIVITY V5 V9
#define SENSOR MULTILEVEL REPORT ELECTRICAL CONDUCTIVITY V5 V9
#define SENSOR MULTILEVEL REPORT ELECTRICAL CONDUCTIVITY V5 V9
#define SENSOR MULTILEVEL REPORT FLOUDNESS V5 V9
#define SENSOR MULTILEVEL REPORT TIME V6 V9
#define SENSOR MULTILEVEL REPORT TREQUENCY V6 V9
#define SENSOR MULTILEVEL REPORT TARGET TEMPERATURE V6 V9
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#define SENSOR MULTILEVEL REPORT RADON CONCENTRATION V7 V9
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    #define SENSOR MULTILEVEL REPORT RADON CONCENTRATION V/ V9
#define SENSOR_MULTILEVEL_REPORT_METHANE_DENSITY_CH4_V7_V9
#define SENSOR_MULTILEVEL_REPORT_VOLATILE_ORGANIC_COMPOUND_V7_V9
#define SENSOR_MULTILEVEL_REPORT_CARBON_MONOXIDE_CO_LEVEL_V7_V9
#define SENSOR_MULTILEVEL_REPORT_SOIL_HUMIDITY_V7_V9
#define SENSOR_MULTILEVEL_REPORT_SOIL_REACTIVITY_V7_V9
#define SENSOR_MULTILEVEL_REPORT_BIOL_SALINITY_V7_V9
#define SENSOR_MULTILEVEL_REPORT_HEART_RATE_V7_V9
#define SENSOR_MULTILEVEL_REPORT_BIOON_PRES_V7_V9
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#define SENSOR MULTILEVEL REPORT SOIL SALINITY V7 V9
#define SENSOR MULTILEVEL REPORT HEART RATE V7 V9
#define SENSOR MULTILEVEL REPORT HEART RATE V7 V9
#define SENSOR MULTILEVEL REPORT BLOOD PRESSURE V7 V9
#define SENSOR MULTILEVEL REPORT MUSCLE MASS V7 V9
#define SENSOR MULTILEVEL REPORT FAT MASS V7 V9
#define SENSOR MULTILEVEL REPORT BONE MASS V7 V9
#define SENSOR MULTILEVEL REPORT BODY MASS INDEX BMI V7 V9
#define SENSOR MULTILEVEL REPORT BODY MASS INDEX BMI V7 V9
#define SENSOR MULTILEVEL REPORT ACCELERATION X AXIS V8 V9
#define SENSOR MULTILEVEL REPORT ACCELERATION Y AXIS V8 V9
#define SENSOR MULTILEVEL REPORT ACCELERATION Y AXIS V8 V9
#define SENSOR MULTILEVEL REPORT SOME DENSITY V8 V9
#define SENSOR MULTILEVEL REPORT SOME DENSITY V8 V9
#define SENSOR MULTILEVEL REPORT WATER FLOW V9 V9
#define SENSOR MULTILEVEL REPORT WATER FLOW V9 V9
#define SENSOR MULTILEVEL REPORT WATER PRESSURE V9 V9
#define SENSOR MULTILEVEL REPORT LEVEL SCALE MASK V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE CENERAL PURPOSE VALUE VERSION 1 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE TEMPERATURE VERSION 1 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE LUMINANCE VERSION 1 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE LUMINANCE VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE POWER VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE POWER VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE POWER VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE POWER VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOLAR RADIATION VERSION 
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   #define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ATMOSPHERIC_PRESSURE_VERSION_2_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BAROMETRIC_PRESSURE_VERSION_2_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOLAR_RADIATION_VERSION_2_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DEW_POINT_VERSION_2_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RAIN_RATE_VERSION_2_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIDE_LEVEL_VERSION_2_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WEIGHT_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VOLTAGE_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CURRENT_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CURRENT_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CO2_LEVEL_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_AIR_FLOW_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_AIR_FLOW_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TANK_CAPACITY_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DISTANCE_VERSION_3_V9
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   #define SENSOR MULTILEVEL SUPPORTED GET SCALE DISTANCE VERSION 3 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ANGLE POSITION VERSION 4 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ROTATION V5 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE WATER TEMPERATURE V5 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOIL TEMPERATURE V5 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SEISMIC INTENSITY V5 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SEISMIC INTENSITY V5 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SEISMIC MAGNITUDE V5 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ULTRAVIOLET V5 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ELECTRICAL RESISTIVITY V5 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ELECTRICAL CONDUCTIVITY V5 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE LUDNESS V5 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE LUDNESS V5 V9
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    #define SENSOR MULTILEVEL SUPPORTED GET SCALE LOUDNESS V5 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE MOISTURE V5 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE FREQUENCY V6 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE TIME V6 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE TARGET TEMPERATURE V6 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE PARTICULATE MATTER 2 5 V7 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE FORMALDEHYDE CH20 LEVEL V7 V9
#define SENSOR MULTILEVEL SUPPORTED GET SCALE RADON CONCENTRATION V7 V9
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   #define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RADON_CONCENTRATION_V7_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_METHANE_DENSITY_CH4_V7_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VOLATILE_ORGANIC_COMPOUND_V7_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CARBON_MONOXIDE_CO_LEVEL_V7_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_HUMIDITY_V7_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_REACTIVITY_V7_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_SALINITY_V7_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_HEART_RATE_V7_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_HEART_RATE_V7_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MUSCLE_MASS_V7_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MUSCLE_MASS_V7_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BLOOD_PRESSURE_V7_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BLOOD_WASS_V7_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BONE_MASS_V7_V9
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      #define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BASIC_METABOLIC_RATE_BMR_V7_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BODY_MASS_INDEX_BMI_V7_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ACCELERATION_X_AXIS_V8_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ACCELERATION_Y_AXIS_V8_V9
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#define SENSOR MULTILEVEL SUPPORTED GET SCALE ACCELERATION Z AXIS V8 V9
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    #define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SMOKE_DENSITY_V8_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WATER_FLOW_V9_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WATER_PRESSURE_V9_V9
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RF_SIGNAL_STRENGTH_V9_V9
/* Values used for Sensor_Multilevel_Supported_Scale_Report_command_*/
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 /* Values used for Sensor Multilevel Supported Scale Report command */
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TEMPERATURE VERSION 1 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT GENERAL PURPOSE VALUE VERSION 1 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT LUMINANCE VERSION 1 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT LUMINANCE VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT RELATIVE HUMIDITY VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT VELOCITY VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DIRECTION VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DIRECTION VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT ATMOSPHERIC PRESSURE VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT BAROMETRIC PRESSURE VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT SOLAR RADIATION VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DEW POINT VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DEW POINT VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT DEW POINT VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TRAIN RATE VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TRAIN RATE VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TRAIN RATE VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TRAIN RATE VERSION 2 V9
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#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TRAIN RATE VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TRAIN RATE VERSION 2 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TRAIN RATE VERSION 3 V9
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    #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WEIGHT_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VOLTAGE_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CURRENT_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CO2_LEVEL_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_AIR_FLOW_VERSION_3_V9
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 #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_AIR_FLOW_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TANK_CAPACITY_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_3_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ROTATION_VERSION_4_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WATER_TEMPERATURE_V5_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_TEMPERATURE_V5_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_INTENSITY_V5_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_MAGNITUDE_V5_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ULTRAVIOLET_V5_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_RESISTIVITY_V5_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LOUDNESS_V5_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LOUDNESS_V5_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LOUDNESS_V5_V9
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#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT ELECTRICAL CONDUCTIVITY V5 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT LOUDNESS V5 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT MOISTURE V5 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TIME V6 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TIME V6 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TARGET TEMPERATURE V6 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT TARGET TEMPERATURE V6 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT FARTICULATE MATTER 2 5 V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT FARMALDEHYDE CH20 LEVEL V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT RADON CONCENTRATION V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT METHANE DENSITY CH4 V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT CARBON MONOXIDE CO LEVEL V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT SOIL HUMIDITY V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT SOIL HUMIDITY V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT SOIL FEACTIVITY V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT SOIL SALINITY V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT SOIL SALINITY V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT HEART RATE V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT HEART RATE V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT BOND PRESSURE V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT BOND MASS V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT BONE MASS V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT BONE MASS V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT BONE MASS V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT BONE MASS V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT BONE MASS V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT BONE MASS INDEX BMM V7 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT ACCELERATION X AXIS V8 V9
#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT ACCELERATION Z AXIS V8 V9
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 #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ACCELERATION_X_AXIS_V8_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ACCELERATION_Y_AXIS_V8_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ACCELERATION_Z_AXIS_V8_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SMOKE_DENSITY_V8_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WATER_FLOW_V9_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WATER_PRESSURE_V9_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RF_SIGNAL_STRENGTH_V9_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_SCALE_BIT_MASK_MASK_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_MASK_V9
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_SHIFT_V9
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 /* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION_V10
#define SENSOR_MULTILEVEL_GET_V10
#define SENSOR_MULTILEVEL_EBPORT_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_REPORT_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_REPORT_V10
/* Values used for Sensor Multilevel Get command */
#define SENSOR_MULTILEVEL_GET_TEMPERATURE_VERSION_1_V10
#define SENSOR_MULTILEVEL_GET_GENERAL_PURPOSE_VALUE_VERSION_1_V10
#define SENSOR_MULTILEVEL_GET_GENERAL_PURPOSE_VALUE_VERSION_1_V10
#define SENSOR_MULTILEVEL_GET_LUMINANCE_VERSION_1_V10
#define SENSOR_MULTILEVEL_GET_POWER_VERSION_2_V10
                     Sensor Multilevel command class commands */
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#define SENSOR_MULTILEVEL_GET_RELATIVE_HUMIDITY_VERSION_2_V10
#define SENSOR_MULTILEVEL_GET_VELOCITY_VERSION_2_V10
#define SENSOR_MULTILEVEL_GET_DIRECTION_VERSION_2_V10
#define SENSOR_MULTILEVEL_GET_ATMOSPHERIC_PRESSURE_VERSION_2_V10
#define SENSOR_MULTILEVEL_GET_BAROMETRIC_PRESSURE_VERSION_2_V10
#define SENSOR_MULTILEVEL_GET_SOLAR_RADIATION_VERSION_2_V10
#define SENSOR_MULTILEVEL_GET_DEW_POINT_VERSION_2_V10
#define SENSOR_MULTILEVEL_GET_TIDE_LEVEL_VERSION_2_V10
#define SENSOR_MULTILEVEL_GET_TIDE_LEVEL_VERSION_2_V10
#define SENSOR_MULTILEVEL_GET_TIDE_LEVEL_VERSION_3_V10
#define SENSOR_MULTILEVEL_GET_VOLTAGE_VERSION_3_V10
#define SENSOR_MULTILEVEL_GET_CO2_LEVEL_VERSION_3_V10
#define SENSOR_MULTILEVEL_GET_CO2_LEVEL_VERSION_3_V10
#define SENSOR_MULTILEVEL_GET_TANK_CAPACITY_VERSION_3_V10
#define SENSOR_MULTILEVEL_GET_TANK_CAPACITY_VERSION_3_V10
#define SENSOR_MULTILEVEL_GET_TANK_CAPACITY_VERSION_3_V10
#define SENSOR_MULTILEVEL_GET_TANK_CAPACITY_VERSION_3_V10
#define SENSOR_MULTILEVEL_GET_TANK_CAPACITY_VERSION_3_V10
#define SENSOR_MULTILEVEL_GET_ANGLE_POSITION_VERSION_4_V10
#define SENSOR_MULTILEVEL_GET_ANGLE_POSITION_VERSION_4_V10
#define SENSOR_MULTILEVEL_GET_TANTON_VERSION_4_V10
#define SENSOR_MULTILEVEL_GET_ANGLE_POSITION_VERSION_4_V10
#define SENSOR_MULTILEVEL_GET_TANTON_VERSION_4_V10
#define SENSOR_MULTILEVEL_GET_TANTON_VERSION_4_V10
#define SENSOR_MULTILEVEL_GET_TANTON_VERSION_4_V10
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         #define SENSOR MULTILEVEL GET RELATIVE HUMIDITY VERSION 2 V10
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   #define SENSOR_MULTILEVEL_GET_WATER_TEMPERATURE_V5_V10
#define SENSOR_MULTILEVEL_GET_SOIL_TEMPERATURE_V5_V10
#define SENSOR_MULTILEVEL_GET_SEISMIC_INTENSITY_V5_V10
#define SENSOR_MULTILEVEL_GET_SEISMIC_MAGNITUDE_V5_V10
#define SENSOR_MULTILEVEL_GET_ULTRAVIOLET_V5_V10
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_RESISTIVITY_V5_V10
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_CONDUCTIVITY_V5_V10
#define SENSOR_MULTILEVEL_GET_LOUDNESS_V5_V10
#define SENSOR_MULTILEVEL_GET_MOISTURE_V5_V10
#define SENSOR_MULTILEVEL_GET_TREQUENCY_V6_V10
#define SENSOR_MULTILEVEL_GET_TARGET_TEMPERATURE_V6_V10
#define SENSOR_MULTILEVEL_GET_TARGET_TEMPERATURE_V6_V10
#define SENSOR_MULTILEVEL_GET_FRANIOLITIENERATURE_V6_V10
#define SENSOR_MULTILEVEL_GET_FORMALDEHYDE_CH20_LEVEL_V7_V10
#define SENSOR_MULTILEVEL_GET_RADON_CONCENTRATION_V7_V10
#define SENSOR_MULTILEVEL_GET_METHANE_DENSITY_CH4_V7_V10
#define SENSOR_MULTILEVEL_GET_METHANE_DENSITY_CH4_V7_V10
#define SENSOR_MULTILEVEL_GET_CARBON_MONOXIDE_CO_LEVEL_V7_V10
#define SENSOR_MULTILEVEL_GET_CARBON_MONOXIDE_CO_LEVEL_V7_V10
#define SENSOR_MULTILEVEL_GET_CARBON_MONOXIDE_CO_LEVEL_V7_V10
#define SENSOR_MULTILEVEL_GET_CARBON_MONOXIDE_CO_LEVEL_V7_V10
#define SENSOR_MULTILEVEL_GET_CARBON_MONOXIDE_CO_LEVEL_V7_V10
#define SENSOR_MULTILEVEL_GET_CARBON_MONOXIDE_CO_LEVEL_V7_V10
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   #define SENSOR_MULTILEVEL_GET_CARBON_MONOXIDE_CO_LEVEL_V7_V10
#define SENSOR_MULTILEVEL_GET_SOIL_HUMIDITY_V7_V10
#define SENSOR_MULTILEVEL_GET_SOIL_REACTIVITY_V7_V10
#define SENSOR_MULTILEVEL_GET_SOIL_REACTIVITY_V7_V10
#define SENSOR_MULTILEVEL_GET_SOIL_SALINITY_V7_V10
#define SENSOR_MULTILEVEL_GET_HEART_RATE_V7_V10
#define SENSOR_MULTILEVEL_GET_BLOOD_PRESSURE_V7_V10
#define SENSOR_MULTILEVEL_GET_MUSCLE_MASS_V7_V10
#define SENSOR_MULTILEVEL_GET_FAT_MASS_V7_V10
#define SENSOR_MULTILEVEL_GET_BONE_MASS_V7_V10
#define SENSOR_MULTILEVEL_GET_BONE_MASS_V7_V10
#define SENSOR_MULTILEVEL_GET_BONE_MASS_V7_V10
#define SENSOR_MULTILEVEL_GET_BODY_MASS_INDEX_BMI_V7_V10
#define SENSOR_MULTILEVEL_GET_BODY_MASS_INDEX_BMI_V7_V10
#define SENSOR_MULTILEVEL_GET_BODY_MASS_INDEX_BMI_V7_V10
#define SENSOR_MULTILEVEL_GET_ACCELERATION_X_AXIS_V8_V10
#define SENSOR_MULTILEVEL_GET_ACCELERATION_Y_AXIS_V8_V10
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#define SENSOR MULTILEVEL GET BODY MASS INDEX BMI V7 V10
#define SENSOR MULTILEVEL GET ACCELERATION X AXIS V8 V10
#define SENSOR MULTILEVEL GET ACCELERATION Y AXIS V8 V10
#define SENSOR MULTILEVEL GET ACCELERATION Y AXIS V8 V10
#define SENSOR MULTILEVEL GET SMOKE DENSITY V8 V10
#define SENSOR MULTILEVEL GET SMOKE DENSITY V8 V10
#define SENSOR MULTILEVEL GET SMOKE DENSITY V8 V10
#define SENSOR MULTILEVEL GET WATER FLOW V9 V10
#define SENSOR MULTILEVEL GET WATER FLOW V9 V10
#define SENSOR MULTILEVEL GET WATER PRESSURE V9 V10
#define SENSOR MULTILEVEL GET FR SIGNAL STRENGTH V9 V10
#define SENSOR MULTILEVEL GET PROPERTIES! RESERVEDI MASK V10
#define SENSOR MULTILEVEL GET PROPERTIES! RESERVEDI MASK V10
#define SENSOR MULTILEVEL GET PROPERTIES! RESERVEDI MASK V10
#define SENSOR MULTILEVEL GET PROPERTIES! SCALE MASK V10
#define SENSOR MULTILEVEL GET PROPERTIES! SCALE SHIFT V10

#define SENSOR MULTILEVEL GET PROPERTIES! RESERVEDI MASK V10
#define SENSOR MULTILEVEL GET PROPERTIES! RESERVED MASK V10
#define SENSOR MULTILEVEL GET PROPERTIES! RESERVED MASK V10
#define SENSOR MULTILEVEL GET PROPERTIES! RESERVED MASK V10
#define SENSOR MULTILEVEL REPORT TEMPERATURE VERSION 1 V10

#define SENSOR MULTILEVEL REPORT TEMPERATURE VERSION 1 V10
#define SENSOR MULTILEVEL REPORT TEMPERATURE VERSION 1 V10
#define SENSOR MULTILEVEL REPORT TEMPERATURE VERSION 2 V10
#define SENSOR MULTILEVEL REPORT TEMPERATURE VERSION 2 V10
#define SENSOR MULTILEVEL REPORT TEMPERATURE HUMIDITY VERSION 2 V10
#define SENSOR MULTILEVEL REPORT DIRECTION VERSION 2 V10
#define SENSOR MULTILEVEL REPORT BAROMETRIC PRESSURE VERSION 2 V10
#define SENSOR MULTILEVEL REPORT BAROMETRIC PRESSURE VERSION 2 V10
#define SENSOR MULTILEVEL REPORT BAROMETRIC PRESSURE VERSION 2 V10
#define SENSOR MULTILEVEL REPORT DIRECTION VERSION 2 V10
#define SENSOR MULTILEVEL REPORT DIRECTION VERSION 2 V10
#define SENSOR MULTILEVEL REPORT DIRECTION 3 V10
#define SENSOR MULTILEVEL REPORT TIDE LEVEL VERSION 3 V10
#define SENSOR MULTILEVEL REPORT CULTAGE VERSION 3 V10
#define SENSOR MULTILEV
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#define SENSOR_MULTILEVEL_REPORT_DISTANCE_VERSION_3_V10
#define SENSOR_MULTILEVEL_REPORT_ANGLE_POSITION_VERSION_4_V10
#define SENSOR_MULTILEVEL_REPORT_ROTATION_VS_V10
#define SENSOR_MULTILEVEL_REPORT_ROTATION_VS_V10
#define SENSOR_MULTILEVEL_REPORT_WATER_TEMPERATURE_VS_V10
#define SENSOR_MULTILEVEL_REPORT_SOIL_TEMPERATURE_VS_V10
#define SENSOR_MULTILEVEL_REPORT_SEISMIC_INTENSITY_VS_V10
#define SENSOR_MULTILEVEL_REPORT_SEISMIC_MAGNITUDE_VS_V10
#define SENSOR_MULTILEVEL_REPORT_SEISMIC_MAGNITUDE_VS_V10
#define SENSOR_MULTILEVEL_REPORT_ELECTRICAL_RESISTIVITY_VS_V10
#define SENSOR_MULTILEVEL_REPORT_ELECTRICAL_CONDUCTIVITY_VS_V10
#define SENSOR_MULTILEVEL_REPORT_ELECTRICAL_CONDUCTIVITY_VS_V10
#define SENSOR_MULTILEVEL_REPORT_MOISTURE_VS_V10
#define SENSOR_MULTILEVEL_REPORT_MOISTURE_VS_V10
#define SENSOR_MULTILEVEL_REPORT_TIME_VS_V10
#define SENSOR_MULTILEVEL_REPORT_TARGET_TEMPERATURE_V6_V10
#define SENSOR_MULTILEVEL_REPORT_TARGET_TEMPERATURE_V6_V10
#define SENSOR_MULTILEVEL_REPORT_PARTICULATE_MATTER_2_S_V7_V10
#define SENSOR_MULTILEVEL_REPORT_PARTICULATE_MATTER_2_S_V7_V10
#define SENSOR_MULTILEVEL_REPORT_PARTICULATE_MATTER_2_S_V7_V10
#define SENSOR_MULTILEVEL_REPORT_TOMALDEHYDE_CH20_LEVEL_V7_V10
#define SENSOR_MULTILEVEL_REPORT_TOMALDEHYDE_CH20_LEVEL_V7_V10
#define SENSOR_MULTILEVEL_REPORT_TOMALDEHYDE_CO_LEVEL_V7_V10
#define SENSOR_MULTILEVEL_REPORT_SOIL_HORSINITY_V7_V10
#define SENSOR_MULTILEVEL_REPORT_SOIL_HORSINITY_V7_V10
#define SENSOR_MULTILEVEL_REPORT_SOIL_FACTIVITY_V7_V10
#define SENSOR_MULTILEVEL_REPORT_BOND_PRESSURE_V7_V10
#define SENSOR_MULTILEVEL_REPORT_BOND_MATS_V7_V10
#define SENSOR_MULTILEVEL_REPORT_BOND_MATS_V
       #define SENSOR MULTILEVEL REPORT DISTANCE VERSION 3 V10
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    #define SENSOR_MULTILEVEL_REPORT_WATER_FLOW_Y9_V10
#define SENSOR_MULTILEVEL_REPORT_WATER_PRESSURE_V9_V10
#define SENSOR_MULTILEVEL_REPORT_RF_SIGNAL_STRENGTH_V9_V10
#define SENSOR_MULTILEVEL_REPORT_PARTICULATE_MATTER_V10_V10
#define SENSOR_MULTILEVEL_REPORT_RESPIRATORY_RATE_V10_V10
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V10
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK_V10
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SHIFT_V10
#define_SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SCAN_MSK_V10
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      #define SENSOR MULTILEVEL REPORT LEVEL PRECISION MASK V10 #define SENSOR MULTILEVEL REPORT LEVEL PRECISION SHIFT V10
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           /* Values used for Sensor Multilevel Supported Get Scale command */
   /* Values used for Sensor Multilevel Supported Get Scale command */
#define SENSOR MULTILEVEL SUPPORTED GET SCALE TEMPERATURE VERSION 1 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE GENERAL PURPOSE VALUE VERSION 1 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE LUMINANCE VERSION 1 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE POWER VERSION 2 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE PELATIVE HUMIDITY VERSION 2 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE DIRECTION VERSION 2 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE DIRECTION VERSION 2 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ATMOSPHERIC PRESSURE VERSION 2 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BAROMETRIC PRESSURE VERSION 2 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOLAR RADIATION VERSION 2 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE DEW POINT VERSION 2 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE DEW POINT VERSION 2 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ATMOSPHERIC PRESSURE VERSION 2 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOLAR RADIATION VERSION 2 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE DEW POINT VERSION 2 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ATMOSPHERIC SENSOR V10
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    #define SENSOR MULTILEVEL SUPPORTED GET SCALE DEW POINT VERSION 2 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE RAIN RATE VERSION 2 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE TIDE LEVEL VERSION 2 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE WEIGHT VERSION 3 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE VOLTAGE VERSION 3 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE CURRENT VERSION 3 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE CO2 LEVEL VERSION 3 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE AIR FLOW VERSION 3 V10
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   #define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_AIR_FLOW_VERSION_3_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TANK_CAPACITY_VERSION_3_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DISTANCE_VERSION_3_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DISTANCE_VERSION_4_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ROTATION_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WATER_TEMPERATURE_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_TEMPERATURE_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_INTENSITY_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_MAGNITUDE_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ULTRAVIOLET_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LECTRICAL_RESISTIVITY_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ELECTRICAL_CONDUCTIVITY_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LECTRICAL_CONDUCTIVITY_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LOUDNESS_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LOUDNESS_V5_V10
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      #define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MOISTURE_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FREQUENCY_V6_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIME_V6_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TARGET_TEMPERATURE_V6_V10
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#define SENSOR MULTILEVEL SUPPORTED GET SCALE PARTICULATE MATTER 2 5 V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE FORMALDEHYDE CH20 LEVEL V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE RADON CONCENTRATION V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE METHANE DENSITY CH4 V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE VOLATILE ORGANIC COMPOUND V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE CARBON MONOXIDE CO LEVEL V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOIL HUMIDITY V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOIL REACTIVITY V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOIL REACTIVITY V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SOIL SALINITY V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE HEART RATE V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BLOOD PRESSURE V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BLOOD PRESSURE V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE FAT MASS V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BONE MASS V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BONE MASS V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BONE MASS V7 V10
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#define SENSOR MULTILEVEL SUPPORTED GET SCALE BONE MASS V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BONE MASS V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BASIC METABOLIC RATE BMR V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BASIC METABOLIC RATE BMR V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BASIC METABOLIC RATE BMR V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BASIC METABOLIC RATE BMR V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE BASIC METABOLIC RATE BMR V7 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ACCELERATION Y AXIS V8 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE ACCELERATION Y AXIS V8 V10
    #define SENSOR MULTILEVEL SUPPORTED GET SCALE PARTICULATE MATTER 2 5 V7 V10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x23
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   #define SENSOR MULTILEVEL SUPPORTED GET SCALE ACCELERATION Z AXIS V8 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE SMOKE DENSITY V8 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE WATER FLOW V9 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE WATER PRESSURE V9 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE WATER PRESSURE V9 V10
#define SENSOR MULTILEVEL SUPPORTED GET SCALE RF SIGNAL STRENGTH V9 V10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x37
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x3A
    #define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_PARTICULATE_MATTER_V10_V10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RESPIRATORY_RATE_V10_V10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x3B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x3C
    /* Values used for Sensor Multilevel Supported Scale Report command */
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TEMPERATURE_VERSION_1_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 0.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x02
  #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LUMINANCE_VERSION_1_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_POWER_VERSION_2_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RELATIVE_HUMIDITY_VERSION_2_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DIRECTION_VERSION_2_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BROWMETRIC_PRESSURE_VERSION_2_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BROWMETRIC_PRESSURE_VERSION_2_V10
#define_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BROWMETRIC_PRESSURE_VERSION_2_V10
#define_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BROWMETRIC_PRESSURE_VERSION_2_V10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x03
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  #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BAROMETRIC_PRESSURE_VERSION_2_
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOLAR_RADIATION_VERSION_2_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DEW_POINT_VERSION_2_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIDE_LEVEL_VERSION_2_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIDE_LEVEL_VERSION_2_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WEIGHT_VERSION_3_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CURRENT_VERSION_3_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CURRENT_VERSION_3_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CO2_LEVEL_VERSION_3_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CO2_LEVEL_VERSION_3_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ALR FLOW_VERSION_3_V10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x0A
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   #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_AIR_FLOW_VERSION_3_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_AIR_FLOW_VERSION_3_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_3_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ANGLE_POSITION_VERSION_4_V10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x12
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 #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ANGLE_POSITION_VERSION_4_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ROTATION_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WATER_TEMPERATURE_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SIL_TEMPERATURE_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SISMIC_INTENSITY_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SISMIC_MAGNITUDE_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ULTRAVIOLET_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_RESISTIVITY_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LOUDNESS_V5_V10
#define_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_MISTURE_V5_V10
#define_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_MISTURE_V5_V10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x16
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  #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_FREQUENCY_V6_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_FREQUENCY_V6_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIME_V6_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TARGET_TEMPERATURE_V6_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PARTICULATE_MATTER_2_5_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_FORMALDEHYDE_CH20_LEVEL_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RADON_CONCENTRATION_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_METHANE_DENSITY_CH4_V7_V10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x20
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 #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_METHANE_DENSITY_CH4_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VOLATILE_ORGANIC_COMPOUND_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CARBON_MONOXIDE_CO_LEVEL_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_HUMIDITY_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_REACTIVITY_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_SALINITY_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BOID_PRESSURE_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BLOOD_PRESSURE_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_MUSCLE_MASS_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_MUSCLE_MASS_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BOND_MASS_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONDE_MASS_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONDE_MASS_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONDE_MASS_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BASIC_METABOLIC_RATE_BMR_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BASIC_METABOLIC_RATE_BMR_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BODDY_MASS_INDEX_BMI_V7_V10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x32
   #define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BODY_MASS_INDEX_BMI_V7_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ACCELERATION_X_AXIS_V8_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ACCELERATION_Y_AXIS_V8_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ACCELERATION_Z_AXIS_V8_V10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 34
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x35
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#define SENSOR MULTILEVEL SUPPORTED SCALE REPORT SMOKE DENSITY V8 V10
                                                                                                                                                                                                              0x37
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WATER_FLOW_V9_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WATER_PRESSURE_V9_V10
                                                                                                                                                                                                              0x38
                                                                                                                                                                                                              0x39
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RF_SIGNAL_STRENGTH_V9_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RF_SIGNAL_STRENGTH_V9_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RESPIRATORY_RATE_V10_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_SCALE_BIT_MASK_MASK_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_MASK_V10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_SHIFT_V10
                                                                                                                                                                                                              0x3A
                                                                                                                                                                                                              0x3B
                                                                                                                                                                                                              0x3C
                                                                                                                                                                                                              0x0F
                                                                                                                                                                                                              0xF0
                                                                                                                                                                                                              0x04
 /* Silence Alarm command class commands */
#define SILENCE ALARM VERSION
                                                                                                                                                                                                              0x01
#define SENSOR ALARM SET
 /* Simple Av Control command class commands */
/* Simple Av Control command class commands */
#define SIMPLE_AV_CONTROL_VERSION
#define SIMPLE_AV_CONTROL_GET
#define SIMPLE_AV_CONTROL_REPORT
#define SIMPLE_AV_CONTROL_SET
#define SIMPLE_AV_CONTROL_SUPPORTED_GET
#define SIMPLE_AV_CONTROL_SUPPORTED_REPORT
/* Values used for Simple Av Control Set command */
#define SIMPLE_AV_CONTROL_SUPPORTED_REPORT
                                                                                                                                                                                                              0 \times 01
                                                                                                                                                                                                              0x02
                                                                                                                                                                                                              0x03
                                                                                                                                                                                                              0x01
                                                                                                                                                                                                              0x04
                                                                                                                                                                                                              0 \times 0.5
#define SIMPLE AV CONTROL SET PROPERTIES1 KEY ATTRIBUTES_MASK
#define SIMPLE_AV_CONTROL_SET_PROPERTIES1_RESERVED_MASK
                                                                                                                                                                                                              0x07
                                                                                                                                                                                                              0xF8
 #define SIMPLE AV CONTROL SET PROPERTIES1 RESERVED SHIFT
                                                                                                                                                                                                              0x03
/* Switch All command class commands */
#define SWITCH_ALL_VERSION
#define SWITCH_ALL_GET
                                                                                                                                                                                                              0 \times 0.1
                                                                                                                                                                                                              0x02
 #define SWITCH_ALL_OFF
                                                                                                                                                                                                              0x05
 #define SWITCH_ALL_ON
                                                                                                                                                                                                              0x04
#define SWITCH_ALL_REPORT
                                                                                                                                                                                                              0x03
#define SWITCH_ALL_SET
                                                                                                                                                                                                              0x01
 /* Values used for Switch All Report command */
#define SWITCH_ALL_REPORT_EXCLUDED_FROM_THE_ALL_ON_ALL_OFF_FUNCTIONALITY
#define SWITCH_ALL_REPORT_EXCLUDED_FROM_THE_ALL_ON_FUNCTIONALITY_BUT_NOT_ALL_OFF
                                                                                                                                                                                                              0x00
                                                                                                                                                                                                              0x01
 #define SWITCH_ALL_REPORT_EXCLUDED_FROM_THE_ALL_OFF_FUNCTIONALITY_BUT_NOT_ALL_ON
                                                                                                                                                                                                              0x02
#define SWITCH_ALL_REPORT_EXCLUDED_FROM_THE_ALL_OFF_FORCTIONALITY

/* Values used for Switch All Set command */

#define SWITCH_ALL_SET_EXCLUDED_FROM_THE_ALL_ON_ALL_OFF_FUNCTIONALITY

#define SWITCH_ALL_SET_EXCLUDED_FROM_THE_ALL_ON_FUNCTIONALITY_BUT_NOT_ALL_OFF

#define SWITCH_ALL_SET_EXCLUDED_FROM_THE_ALL_OFF_FUNCTIONALITY_BUT_NOT_ALL_ON

#define SWITCH_ALL_SET_INCLUDED_IN_THE_ALL_ON_ALL_OFF_FUNCTIONALITY
                                                                                                                                                                                                              0xFF
                                                                                                                                                                                                              0x00
                                                                                                                                                                                                              0x01
                                                                                                                                                                                                              0x02
                                                                                                                                                                                                              0xFF
/* Switch Binary command class commands */#define SWITCH_BINARY_VERSION #define SWITCH_BINARY_GET
                                                                                                                                                                                                              0x01
                                                                                                                                                                                                              0x02
 #define SWITCH_BINARY_REPORT
                                                                                                                                                                                                              0x03
#define SWITCH_BINARY_SET
                                                                                                                                                                                                              0x01
/* Switch Binary command class commands */#define SWITCH_BINARY_VERSION_V2#define SWITCH_BINARY_GET_V2
                                                                                                                                                                                                              0x02
                                                                                                                                                                                                              0x02
#define SWITCH_BINARY_REPORT_V2
#define SWITCH_BINARY_SET_V2
/* Values used for Switch_Binary_Report_command */
                                                                                                                                                                                                              0x03
                                                                                                                                                                                                              0x01
#define SWITCH_BINARY_REPORT_OFF_DISABLE_V2
#define SWITCH_BINARY_REPORT_ON_ENABLE_V2
                                                                                                                                                                                                              0×00
                                                                                                                                                                                                              0xFF
#define SWITCH_BINARY_REPORT_ON_ENABLE_V2
#define SWITCH_BINARY_REPORT_OFF_DISABLE_V2
#define SWITCH_BINARY_REPORT_ON_ENABLE_V2
#define SWITCH_BINARY_REPORT_ALREADY_AT_THE_TARGET_VALUE_V2
#define SWITCH_BINARY_REPORT_UNKNOWN_DURATION_V2
#define SWITCH_BINARY_REPORT_RESERVED_V2
/* Values used for Switch Binary_Set_command */
                                                                                                                                                                                                              0x00
                                                                                                                                                                                                              0xFF
                                                                                                                                                                                                              0 \times 0.0
                                                                                                                                                                                                              0xFE
                                                                                                                                                                                                              0xFF
#define SWITCH_BINARY_SET_OFF_DISABLE_V2
#define SWITCH_BINARY_SET_ON_ENABLE_V2
#define SWITCH_BINARY_SET_INSTANTLY_V2
#define SWITCH_BINARY_SET_DEFAULT_V2
                                                                                                                                                                                                              0x00
                                                                                                                                                                                                              0xFF
                                                                                                                                                                                                              0x00
                                                                                                                                                                                                              0xFF
 /* Switch Multilevel command class commands */
#define SWITCH_MULTILEVEL_VERSION
#define SWITCH_MULTILEVEL_GET
                                                                                                                                                                                                              0x01
                                                                                                                                                                                                              0x02
#define SWITCH_MULTILEVEL_REPORT
                                                                                                                                                                                                              0x03
#define SWITCH_MULTILEVEL_REPORT
#define SWITCH_MULTILEVEL_SET
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE
#define SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE
/* Values used for Switch Multilevel Start Level Change command */
                                                                                                                                                                                                              0x01
                                                                                                                                                                                                              0x04
                                                                                                                                                                                                              0x05
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_RESERVED1_MASK
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_IGNORE_START_LEVEL_BIT_MASK
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_UP_DOWN_BIT_MASK
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_UP_DOWN_BIT_MASK
                                                                                                                                                                                                              0x1F
                                                                                                                                                                                                              0 \times 20
                                                                                                                                                                                                              0x40
```

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/* Switch Multilevel command class commands */
 #define SWITCH_MULTILEVEL_VERSION_V2
                                                                                                                                                                                                                                                                                                                                0x02
 #define SWITCH_MULTILEVEL_GET_V2
#define SWITCH_MULTILEVEL_REPORT_V2
#define SWITCH_MULTILEVEL_SET_V2
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V2
#define SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V2
                                                                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                                                                                                                0x04
                                                                                                                                                                                                                                                                                                                                0x05
 #define SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V2
/* Values used for Switch Multilevel Start Level Change command */
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_RESERVED1_MASK_V2
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_IGNORE_START_LEVEL_BIT_MASK_V2
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_BIT_MASK_V2
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_RESERVED2_BIT_MASK_V2
                                                                                                                                                                                                                                                                                                                                0×1F
                                                                                                                                                                                                                                                                                                                                0x20
                                                                                                                                                                                                                                                                                                                                0x40
  /* Switch Multilevel command class commands */
 #define SWITCH_MULTILEVEL_VERSION_V3
#define SWITCH_MULTILEVEL_GET_V3
                                                                                                                                                                                                                                                                                                                                0 \times 0.3
                                                                                                                                                                                                                                                                                                                                0x02
 #define SWITCH_MULTILEVEL_REPORT_V3
#define SWITCH_MULTILEVEL_SET_V3
                                                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                                                0x01
 #define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V3
#define SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V3
#define SWITCH_MULTILEVEL_SUPPORTED_GET_V3
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_V3
/* Values used for Switch Multilevel Start Level Change command */
                                                                                                                                                                                                                                                                                                                                0x04
                                                                                                                                                                                                                                                                                                                                0 \times 0.5
                                                                                                                                                                                                                                                                                                                                0x06
                                                                                                                                                                                                                                                                                                                                0x07
  #define SWITCH MULTILEVEL START LEVEL CHANGE PROPERTIES1 RESERVED MASK V3
                                                                                                                                                                                                                                                                                                                                0x07
 #define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_INC_DEC_MASK_V3
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_INC_DEC_SHIFT_V3
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_INCREMENT_V3
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_DECREMENT_V3
                                                                                                                                                                                                                                                                                                                                0x18
                                                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                                                0 \times 0.0
                                                                                                                                                                                                                                                                                                                                0x01
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_RESERVED_V3
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_RESERVED_V3
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_NONE_V3
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_IGNORE_START_LEVEL_BIT_MASK_V3
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_MASK_V3
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_SHIFT_V3
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_UP_V3
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_DOWN_V3
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_DOWN_V3
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_NONE_V3
                                                                                                                                                                                                                                                                                                                                 0x02
                                                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                                                0x20
                                                                                                                                                                                                                                                                                                                                0xC0
                                                                                                                                                                                                                                                                                                                                0x06
                                                                                                                                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                                                                                                                0x02
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_RESERVED_V3

#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_NONE_V3

/* Values used for Switch Multilevel Supported Report command */

#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES1_RESERVED1_MASK_V3

#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES1_RESERVED1_SHIFT_V3

#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES2_SECONDARY_SWITCH_TYPE_MASK_V3

#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES2_RESERVED2_MASK_V3

#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES2_RESERVED2_MASK_V3

#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES2_RESERVED2_SHIFT_V3
                                                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                                                0x1F
                                                                                                                                                                                                                                                                                                                                0xE0
                                                                                                                                                                                                                                                                                                                                0x1F
                                                                                                                                                                                                                                                                                                                                0 \times E0
 #define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES2_RESERVED2_SHIFT_V3
                                                                                                                                                                                                                                                                                                                                0x05
  /* Switch Multilevel command class commands */
  #define SWITCH_MULTILEVEL_VERSION_V4
                                                                                                                                                                                                                                                                                                                                0x04
#define SWITCH_MULTILEVEL_GET_V4
#define SWITCH_MULTILEVEL_REPORT_V4
#define SWITCH_MULTILEVEL_SET_V4
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V4
#define SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V4
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_V4
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_V4
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_V4
                                                                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                                                                0 \times 03
                                                                                                                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                                                                                                                0x04
                                                                                                                                                                                                                                                                                                                                0x05
                                                                                                                                                                                                                                                                                                                                0x06
                                                                                                                                                                                                                                                                                                                                0x07
 /* Values used for Switch Multilevel Report command */
#define SWITCH_MULTILEVEL_REPORT_ALREADY_AT_THE_TARGET_VALUE_V4
#define SWITCH_MULTILEVEL_REPORT_UNKNOWN_DURATION_V4
                                                                                                                                                                                                                                                                                                                                0×00
                                                                                                                                                                                                                                                                                                                                0xFE
 #define SWITCH_MULTILEVEL_REPORT_RESERVED_V4
/* Values used for Switch_Multilevel_Set_command */
                                                                                                                                                                                                                                                                                                                                0xFF
 #define SWITCH_MULTILEVEL_SET_INSTANTLY_V4
#define SWITCH_MULTILEVEL_SET_DEFAULT_V4

/* Values used for Switch Multilevel Start Level Change command */
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_RESERVED_MASK_V4
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_INC_DEC_MASK_V4
                                                                                                                                                                                                                                                                                                                                0 \times 0.0
                                                                                                                                                                                                                                                                                                                                0xFF
                                                                                                                                                                                                                                                                                                                                0x07
                                                                                                                                                                                                                                                                                                                                0x18
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_INC_DEC_MASK_V4
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_INC_DEC_SHIFT_V4
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_INCREMENT_V4
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_DECREMENT_V4
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_RESERVED_V4
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_RESERVED_V4
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_NONE_V4
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_MASK_V4
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_SHIFT_V4
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_UP_V4
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_DOWN_V4
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_DOWN_V4
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_RESERVED_V4
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_NONE_V4
/* Values used for Switch Multilevel Supported Report command */
                                                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                                                                                                                                0 \times 0.1
                                                                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                                                0x20
                                                                                                                                                                                                                                                                                                                                0xC0
                                                                                                                                                                                                                                                                                                                                0x06
                                                                                                                                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                                                                0x03
 /* Values used for Switch Multilevel Supported Report command */
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES1_PRIMARY_SWITCH_TYPE_MASK_V4
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES1_RESERVED1_MASK_V4
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES1_RESERVED1_SHIFT_V4
                                                                                                                                                                                                                                                                                                                                0×1F
                                                                                                                                                                                                                                                                                                                                0xE0
```

```
#define SWITCH MULTILEVEL SUPPORTED REPORT PROPERTIES2 SECONDARY SWITCH TYPE MASK V4
                                                                                                                                                                                                                                                                             0x1F
  #define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES2_RESERVED2_MASK_V4
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES2_RESERVED2_SHIFT_V4
                                                                                                                                                                                                                                                                             0xE0
                                                                                                                                                                                                                                                                             0x05
   /* Switch Toggle Binary command class commands */
  #define SWITCH_TOGGLE_BINARY_VERSION
#define SWITCH_TOGGLE_BINARY_SET
                                                                                                                                                                                                                                                                             0x01
                                                                                                                                                                                                                                                                             0x01
   /*SWITCH_TOGGLE_BINARY_SET*/
  #define SWITCH_TOGGLE_BINARY_GET
#define SWITCH_TOGGLE_BINARY_REPORT
                                                                                                                                                                                                                                                                             0x02
                                                                                                                                                                                                                                                                             0 \times 03
   /* Switch Toggle Multilevel command class commands */
  #define SWITCH_TOGGLE_MULTILEVEL_VERSION
#define SWITCH_TOGGLE_MULTILEVEL_SET
                                                                                                                                                                                                                                                                             0x01
                                                                                                                                                                                                                                                                             0x01
  /*SWITCH_TOGGLE_MULTILEVEL_SET*/
#define_SWITCH_TOGGLE_MULTILEVEL_GET
#define_SWITCH_TOGGLE_MULTILEVEL_REPORT
                                                                                                                                                                                                                                                                             0 \times 0.2
                                                                                                                                                                                                                                                                             0x03
  #define SWITCH_TOGGLE_MULTILEVEL_START_LEVEL_CHANGE
#define SWITCH_TOGGLE_MULTILEVEL_STOP_LEVEL_CHANGE
                                                                                                                                                                                                                                                                             0x04
                                                                                                                                                                                                                                                                             0x05
   /st Values used for Switch Toggle Multilevel Start Level Change command st/
  #define SWITCH_TOGGLE_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_RESERVED1_MASK
#define SWITCH_TOGGLE_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_IGNORE_START_LEVEL_BIT_MASK
#define SWITCH_TOGGLE_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_RESERVED2_BIT_MASK
#define SWITCH_TOGGLE_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_ROLL_OVER_BIT_MASK
                                                                                                                                                                                                                                                                             0×1F
                                                                                                                                                                                                                                                                             0x20
                                                                                                                                                                                                                                                                             0x40
/* Tariff Config command class commands */
#define TARIFF_CONFIG_VERSION
#define TARIFF_TBL_REMOVE
#define TARIFF_TBL_SET
#define TARIFF_TBL_SET
/* Values used for Tariff Tbl Remove command */
#define TARIFF_TBL_SUPPLIER_SET
/* Values used for Tariff Tbl Remove command */
#define TARIFF_TBL_REMOVE_PROPERTIES1_RESERVED_MASK
#define TARIFF_TBL_REMOVE_PROPERTIES1_RESERVED_BHIFT
/* Values used for Tariff Tbl Set command */
#define TARIFF_TBL_SET_PROPERTIES1_RESERVED_MASK
#define TARIFF_TBL_SET_PROPERTIES1_RESERVED_MASK
#define TARIFF_TBL_SET_PROPERTIES1_TARIFF_PRECISION_MASK
#define TARIFF_TBL_SET_PROPERTIES1_TARIFF_PRECISION_SHIFT
/* Values used for Tariff Tbl Supplier Set command */
#define TARIFF_TBL_SUPPLIER_SET_PROPERTIES1_STANDING_CHARGE_PERIOD_MASK
#define TARIFF_TBL_SUPPLIER_SET_PROPERTIES1_STANDING_CHARGE_PRECISION_MASK
#define TARIFF_TBL_SUPPLIER_SET_PROPERTIES1_STANDING_CHARGE_PRECISION_SHIFT
#define TARIFF_TBL_SUPPLIER_SET_PROPERTIES2_RESERVED_MASK
#define TARIFF_TBL_SUPPLIER_SET_PROPERTIES2_RESERVED_MASK
#define TARIFF_TBL_SUPPLIER_SET_PROPERTIES2_RESERVED_MASK
#define TARIFF_TBL_SUPPLIER_SET_PROPERTIES2_RESERVED_MASK
#define TARIFF_TBL_SUPPLIER_SET_PROPERTIES2_RESERVED_SHIFT
   /* Tariff Config command class commands */
                                                                                                                                                                                                                                                                            0x01
                                                                                                                                                                                                                                                                             0 \times 0.3
                                                                                                                                                                                                                                                                             0x02
                                                                                                                                                                                                                                                                             0x01
                                                                                                                                                                                                                                                                             0x3F
                                                                                                                                                                                                                                                                             0xC0
                                                                                                                                                                                                                                                                             0x06
                                                                                                                                                                                                                                                                             0x1F
                                                                                                                                                                                                                                                                            0xE0
                                                                                                                                                                                                                                                                             0x05
                                                                                                                                                                                                                                                                             0x1F
                                                                                                                                                                                                                                                                             0xE0
                                                                                                                                                                                                                                                                             0x05
                                                                                                                                                                                                                                                                             0x1F
                                                                                                                                                                                                                                                                             0 \times E0
  #define TARIFF_TBL_SUPPLIER_SET_PROPERTIES2_RESERVED_SHIFT
                                                                                                                                                                                                                                                                             0 \times 0.5
   /* Tariff Tbl Monitor command class commands */
 /* Tariff Tbl Monitor command class commands */
#define TARIFF_TBL_MONITOR_VERSION
#define TARIFF_TBL_COST_GET
#define TARIFF_TBL_COST_REPORT
#define TARIFF_TBL_GET
#define TARIFF_TBL_SUPPLIER_GET
#define TARIFF_TBL_SUPPLIER_REPORT
#define TARIFF_TBL_SUPPLIER_REPORT
/* Values used for Tariff_Tbl Cost_REPORT_PROPERTIES1_RATE_TYPE
                                                                                                                                                                                                                                                                             0x01
                                                                                                                                                                                                                                                                             0x05
                                                                                                                                                                                                                                                                             0×06
                                                                                                                                                                                                                                                                             0x03
                                                                                                                                                                                                                                                                             0x04
                                                                                                                                                                                                                                                                             0x01
                                                                                                                                                                                                                                                                             0x02
  #define TARIFF_TBL_COST_REPORT_PROPERTIES1_RATE_TYPE_MASK
                                                                                                                                                                                                                                                                             0 \times 0.3
  #define TARIFF_TBL_COST_REPORT_PROPERTIES1_RESERVED1_MASK
#define TARIFF_TBL_COST_REPORT_PROPERTIES1_RESERVED1_SHIFT
                                                                                                                                                                                                                                                                             0×FC
                                                                                                                                                                                                                                                                             0x02
 #define TARIFF_TBL_COST_REPORT_PROPERTIES1_RESERVED1_SHIFT
#define TARIFF_TBL_COST_REPORT_PROPERTIES2_RESERVED2_MASK
#define TARIFF_TBL_COST_REPORT_PROPERTIES2_COST_PRECISION_MASK
#define TARIFF_TBL_COST_REPORT_PROPERTIES2_COST_PRECISION_SHIFT
/* Values used for Tariff_Tbl_Report_command */
#define TARIFF_TBL_REPORT_PROPERTIES1_RESERVED_MASK
#define TARIFF_TBL_REPORT_PROPERTIES1_TARIFF_PRECISION_MASK
#define TARIFF_TBL_REPORT_PROPERTIES1_TARIFF_PRECISION_SHIFT
/* Values used for Tariff_Tbl_Supplier_Report_command */
#define_TARIFF_TBL_SUPPLIER_REPORT_PROPERTIES1_STANDING_CHARGE_F
                                                                                                                                                                                                                                                                             0x1F
                                                                                                                                                                                                                                                                             0xE0
                                                                                                                                                                                                                                                                             0 \times 0.5
                                                                                                                                                                                                                                                                             0x1F
                                                                                                                                                                                                                                                                             0xE0
                                                                                                                                                                                                                                                                             0x05
 / values used for Tarifi Tbl Supplier Report command */
#define Tariff_Tbl_SUPPLIER_REPORT_PROPERTIES1_STANDING_CHARGE_PERIOD_MASK
#define Tariff_Tbl_SUPPLIER_REPORT_PROPERTIES1_STANDING_CHARGE_PRECISION_MASK
#define Tariff_Tbl_SUPPLIER_REPORT_PROPERTIES1_STANDING_CHARGE_PRECISION_SHIFT
#define Tariff_Tbl_SUPPLIER_REPORT_PROPERTIES2_NUMBER_OF_SUPPLIER_CHARACTERS_MASK
#define Tariff_Tbl_SUPPLIER_REPORT_PROPERTIES2_RESERVED_MASK
#define Tariff_Tbl_SUPPLIER_REPORT_PROPERTIES2_RESERVED_SHIFT
                                                                                                                                                                                                                                                                             0x1F
                                                                                                                                                                                                                                                                             0xE0
                                                                                                                                                                                                                                                                             0x05
                                                                                                                                                                                                                                                                             0x1F
                                                                                                                                                                                                                                                                             0xE0
                                                                                                                                                                                                                                                                             0x05
   /* Thermostat Fan Mode command class commands */
  #define THERMOSTAT_FAN_MODE_VERSION
#define THERMOSTAT_FAN_MODE_GET
#define THERMOSTAT_FAN_MODE_REPORT
                                                                                                                                                                                                                                                                             0x01
                                                                                                                                                                                                                                                                             0x02
                                                                                                                                                                                                                                                                             0x03
   #define THERMOSTAT_FAN_MODE_SET
                                                                                                                                                                                                                                                                             0x01
  #define THERMOSTAT FAN MODE SUPPORTED GET
#define THERMOSTAT FAN MODE SUPPORTED REPORT
/* Values used for Thermostat Fan Mode Report command */
                                                                                                                                                                                                                                                                             0 \times 0.4
                                                                                                                                                                                                                                                                             0x05
```

```
#define THERMOSTAT FAN MODE REPORT LEVEL FAN MODE MASK
                                                                                                                                                                                                                                                                      0x0F
 #define THERMOSTAT FAN MODE REPORT FAN MODE AUTO LOW
#define THERMOSTAT FAN MODE REPORT FAN MODE LOW
                                                                                                                                                                                                                                                                      0x00
                                                                                                                                                                                                                                                                      0x01
 #define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_AUTO_HIGH
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_HIGH
#define THERMOSTAT_FAN_MODE_REPORT_LEVEL_RESERVED_MASK
#define THERMOSTAT_FAN_MODE_REPORT_LEVEL_RESERVED_SHIFT
                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                      0x03
                                                                                                                                                                                                                                                                      0xF0
                                                                                                                                                                                                                                                                      0x04
  /* Values used for Thermostat Fan Mode Set command */
/* Values used for Thermostat Fan Mode Set command '#define THERMOSTAT_FAN_MODE_SET_LEVEL_FAN_MODE_MASK #define THERMOSTAT_FAN_MODE_SET_FAN_MODE_AUTO_LOW #define THERMOSTAT_FAN_MODE_SET_FAN_MODE_LOW #define THERMOSTAT_FAN_MODE_SET_FAN_MODE_AUTO_HIGH #define THERMOSTAT_FAN_MODE_SET_FAN_MODE_HIGH #define THERMOSTAT_FAN_MODE_SET_LEVEL_RESERVED_MASK #define THERMOSTAT_FAN_MODE_SET_LEVEL_RESERVED_MASK
                                                                                                                                                                                                                                                                      0x0F
                                                                                                                                                                                                                                                                      0×00
                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                      0xF0
 #define THERMOSTAT_FAN_MODE_SET_LEVEL_RESERVED_SHIFT
                                                                                                                                                                                                                                                                      0x04
  /* Thermostat Fan Mode command class commands */
 #define THERMOSTAT_FAN_MODE_VERSION_V2
#define THERMOSTAT_FAN_MODE_GET_V2
                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                      0x02
 #define THERMOSTAT FAN MODE REPORT V2
#define THERMOSTAT FAN MODE SET_V2
#define THERMOSTAT FAN MODE SUPPORTED GET_V2
                                                                                                                                                                                                                                                                      0x03
                                                                                                                                                                                                                                                                      0 \times 0.1
                                                                                                                                                                                                                                                                      0x04
 #define THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_V2
/* Values used for Thermostat Fan Mode Report command */
                                                                                                                                                                                                                                                                      0x05
  #define THERMOSTAT FAN MODE REPORT LEVEL FAN MODE MASK V2
                                                                                                                                                                                                                                                                      0x0F
#define THERMOSTAT FAN MODE REPORT LEVEL FAN MODE MASK V2
#define THERMOSTAT FAN MODE REPORT FAN MODE AUTO LOW V2
#define THERMOSTAT FAN MODE REPORT FAN MODE LOW V2
#define THERMOSTAT FAN MODE REPORT FAN MODE AUTO HIGH V2
#define THERMOSTAT FAN MODE REPORT FAN MODE HIGH V2
#define THERMOSTAT FAN MODE REPORT FAN MODE AUTO MEDIUM V2
#define THERMOSTAT FAN MODE REPORT FAN MODE MEDIUM V2
#define THERMOSTAT FAN MODE REPORT LEVEL RESERVED MASK V2
#define THERMOSTAT FAN MODE REPORT LEVEL RESERVED SHIFT V2
/* Values used for Thermostat Fan Mode Set command */
#define THERMOSTAT FAN MODE SET LEVEL, FAN MODE MASK V2
                                                                                                                                                                                                                                                                      0x00
                                                                                                                                                                                                                                                                      0 \times 01
                                                                                                                                                                                                                                                                      0 \times 0.2
                                                                                                                                                                                                                                                                      0x03
                                                                                                                                                                                                                                                                      0x04
                                                                                                                                                                                                                                                                      0x05
                                                                                                                                                                                                                                                                      0 \times F0
                                                                                                                                                                                                                                                                      0x04
 #define THERMOSTAT FAN MODE_SET_LEVEL_FAN MODE_MASK_V2
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_AUTO_LOW_V2
                                                                                                                                                                                                                                                                      0x0F
                                                                                                                                                                                                                                                                      0x00
  #define THERMOSTAT_FAN_MODE_SET_FAN_MODE_LOW_V2
                                                                                                                                                                                                                                                                      0x01
 #define THERMOSTAT FAN MODE SET FAN MODE AUTO HIGH V2
#define THERMOSTAT FAN MODE SET FAN MODE HIGH V2
#define THERMOSTAT FAN MODE SET FAN MODE AUTO MEDIUM V2
#define THERMOSTAT FAN MODE SET FAN MODE MEDIUM V2
                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                      0 \times 03
                                                                                                                                                                                                                                                                      0x04
                                                                                                                                                                                                                                                                      0x05
 #define THERMOSTAT_FAN_MODE_SET_LEVEL_RESERVED_MASK_V2
#define THERMOSTAT_FAN_MODE_SET_LEVEL_RESERVED_SHIFT_V2
                                                                                                                                                                                                                                                                      0x70
                                                                                                                                                                                                                                                                      0x04
 #define THERMOSTAT_FAN_MODE_SET_LEVEL_OFF_BIT_MASK_V2
                                                                                                                                                                                                                                                                      0 \times 80
  /* Thermostat Fan Mode command class commands */
 #define THERMOSTAT_FAN_MODE_VERSION_V3
#define THERMOSTAT_FAN_MODE_GET_V3
                                                                                                                                                                                                                                                                      0x03
                                                                                                                                                                                                                                                                      0x02
 #define THERMOSTAT FAN_MODE_REPORT_V3
#define THERMOSTAT FAN_MODE_SET_V3
#define THERMOSTAT_FAN_MODE_SUPPORTED_GET_V3
#define THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_V3
/* Values used for Thermostat Fan_Mode_Report_command */
                                                                                                                                                                                                                                                                      0x03
                                                                                                                                                                                                                                                                      0 \times 01
                                                                                                                                                                                                                                                                      0x04
                                                                                                                                                                                                                                                                      0x05
/* Values used for Thermostat Fan Mode Report command */
#define THERMOSTAT FAN MODE REPORT PROPERTIES1 FAN MODE MASK V3
#define THERMOSTAT FAN MODE REPORT FAN MODE AUTO LOW V3
#define THERMOSTAT FAN MODE REPORT FAN MODE LOW V3
#define THERMOSTAT FAN MODE REPORT FAN MODE AUTO HIGH V3
#define THERMOSTAT FAN MODE REPORT FAN MODE AUTO MEDIUM V3
#define THERMOSTAT FAN MODE REPORT FAN MODE AUTO MEDIUM V3
#define THERMOSTAT FAN MODE REPORT FAN MODE CIRCULATION V3
#define THERMOSTAT FAN MODE REPORT FAN MODE CIRCULATION V3
#define THERMOSTAT FAN MODE REPORT FAN MODE HUMIDITY V3
#define THERMOSTAT FAN MODE REPORT PROPERTIES1 RESERVED MASK V3
#define THERMOSTAT FAN MODE REPORT PROPERTIES1 RESERVED SHIFT V3
#define THERMOSTAT FAN MODE REPORT PROPERTIES1 OFF BIT MASK V3
/* Values used for Thermostat Fan Mode Set command */
                                                                                                                                                                                                                                                                      0x0F
                                                                                                                                                                                                                                                                      0x00
                                                                                                                                                                                                                                                                      0 \times 01
                                                                                                                                                                                                                                                                      0 \times 0.2
                                                                                                                                                                                                                                                                      0x03
                                                                                                                                                                                                                                                                      0x04
                                                                                                                                                                                                                                                                      0x05
                                                                                                                                                                                                                                                                      0×06
                                                                                                                                                                                                                                                                      0x07
                                                                                                                                                                                                                                                                      0x70
                                                                                                                                                                                                                                                                      0x04
                                                                                                                                                                                                                                                                      0x80
  /* Values used for Thermostat Fan Mode Set command */
/* Values used for Thermostat Fan Mode Set command */
#define THERMOSTAT FAN MODE SET PROPERTIES1 FAN MODE MASK V3
#define THERMOSTAT FAN MODE SET FAN MODE AUTO LOW V3
#define THERMOSTAT FAN MODE SET FAN MODE LOW V3
#define THERMOSTAT FAN MODE SET FAN MODE AUTO HIGH V3
#define THERMOSTAT FAN MODE SET FAN MODE HIGH V3
#define THERMOSTAT FAN MODE SET FAN MODE AUTO MEDIUM V3
#define THERMOSTAT FAN MODE SET FAN MODE MEDIUM V3
#define THERMOSTAT FAN MODE SET FAN MODE CIRCULATION V3
#define THERMOSTAT FAN MODE SET FAN MODE HUMIDITY V3
#define THERMOSTAT FAN MODE SET FAN MODE HUMIDITY V3
#define THERMOSTAT FAN MODE SET PROPERTIES1 RESERVED MASK V3
                                                                                                                                                                                                                                                                      0×0F
                                                                                                                                                                                                                                                                      0 \times 0.0
                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                      0x03
                                                                                                                                                                                                                                                                      0x04
                                                                                                                                                                                                                                                                      0x05
                                                                                                                                                                                                                                                                      0x06
                                                                                                                                                                                                                                                                      0x07
 #define THERMOSTAT FAN MODE SET PROPERTIES1 RESERVED MASK V3
#define THERMOSTAT_FAN_MODE_SET_PROPERTIES1_RESERVED_SHIFT_V3
                                                                                                                                                                                                                                                                      0x70
                                                                                                                                                                                                                                                                      0x04
 #define THERMOSTAT_FAN_MODE_SET_PROPERTIES1_OFF_BIT_MASK_V3
                                                                                                                                                                                                                                                                      0x80
        Thermostat Fan Mode command class commands */
 #define THERMOSTAT FAN MODE VERSION V4
                                                                                                                                                                                                                                                                      0x04
```

```
#define THERMOSTAT FAN MODE GET V4
                                                                                                                                                                                                                                                                                                                     0x02
  #define THERMOSTAT_FAN_MODE_REPORT_V4
#define THERMOSTAT_FAN_MODE_SET_V4
                                                                                                                                                                                                                                                                                                                     0x03
                                                                                                                                                                                                                                                                                                                     0x01
  #define THERMOSTAT FAN MODE SUPPORTED GET_V4
#define THERMOSTAT FAN MODE SUPPORTED REPORT_V4
/* Values used for Thermostat Fan Mode Report command */
                                                                                                                                                                                                                                                                                                                     0x04
#define THERMOSTAT FAN MODE SUPPORTED REPORT V4

/* Values used for Thermostat Fan Mode Report command */
#define THERMOSTAT FAN MODE REPORT PROPERTIES1 FAN MODE MASK V4

#define THERMOSTAT FAN MODE REPORT FAN MODE AUTO LOW V4

#define THERMOSTAT FAN MODE REPORT FAN MODE LOW V4

#define THERMOSTAT FAN MODE REPORT FAN MODE AUTO HIGH V4

#define THERMOSTAT FAN MODE REPORT FAN MODE AUTO MEDIUM V4

#define THERMOSTAT FAN MODE REPORT FAN MODE AUTO MEDIUM V4

#define THERMOSTAT FAN MODE REPORT FAN MODE AUTO MEDIUM V4

#define THERMOSTAT FAN MODE REPORT FAN MODE AUTO MEDIUM V4

#define THERMOSTAT FAN MODE REPORT FAN MODE LEFT RIGHT V4

#define THERMOSTAT FAN MODE REPORT FAN MODE LEFT RIGHT V4

#define THERMOSTAT FAN MODE REPORT FAN MODE LEFT RIGHT V4

#define THERMOSTAT FAN MODE REPORT FAN MODE LUP DOWN V4

#define THERMOSTAT FAN MODE REPORT FAN MODE RESERVEDD V4

#define THERMOSTAT FAN MODE REPORT FAN MODE RESERVEDD V4

#define THERMOSTAT FAN MODE REPORT FAN MODE RESERVEDD V4

#define THERMOSTAT FAN MODE REPORT FAN MODE RESERVEDD V4

#define THERMOSTAT FAN MODE REPORT FAN MODE RESERVEDD V4

#define THERMOSTAT FAN MODE REPORT FAN MODE RESERVEDD V4

#define THERMOSTAT FAN MODE REPORT FAN MODE RESERVEDD V4

#define THERMOSTAT FAN MODE REPORT FAN MODE RESERVEDD V4

#define THERMOSTAT FAN MODE REPORT PROPERTIES1 RESERVED MASK V4

#define THERMOSTAT FAN MODE REPORT PROPERTIES1 RESERVED MASK V4

#define THERMOSTAT FAN MODE REPORT PROPERTIES1 OFF BIT MASK V4

#define THERMOSTAT FAN MODE SET PROPERTIES1 FAN MODE MASK V4

#define THERMOSTAT FAN MODE SET FAN MODE AUTO LOW V4

#define THERMOSTAT FAN MODE SET FAN MODE AUTO LOW V4

#define THERMOSTAT FAN MODE SET FAN MODE LOW V4

#define THERMOSTAT FAN MODE SET FAN MODE LOW V4

#define THERMOSTAT FAN MODE SET FAN MODE LOW V4

#define THERMOSTAT FAN MODE SET FAN MODE LOW V4

#define THERMOSTAT FAN MODE SET FAN MODE LOW V4
                                                                                                                                                                                                                                                                                                                     0 \times 05
                                                                                                                                                                                                                                                                                                                     0x0F
                                                                                                                                                                                                                                                                                                                     0x00
                                                                                                                                                                                                                                                                                                                     0x01
                                                                                                                                                                                                                                                                                                                     0 \times 0.2
                                                                                                                                                                                                                                                                                                                     0x03
                                                                                                                                                                                                                                                                                                                     0x04
                                                                                                                                                                                                                                                                                                                     0x05
                                                                                                                                                                                                                                                                                                                     0x06
                                                                                                                                                                                                                                                                                                                     0x07
                                                                                                                                                                                                                                                                                                                     0 \times 0 8
                                                                                                                                                                                                                                                                                                                     0x09
                                                                                                                                                                                                                                                                                                                     0x0A
                                                                                                                                                                                                                                                                                                                     0x0B
                                                                                                                                                                                                                                                                                                                     0x0C
                                                                                                                                                                                                                                                                                                                     0x0D
                                                                                                                                                                                                                                                                                                                     0x0E
                                                                                                                                                                                                                                                                                                                     0x0F
                                                                                                                                                                                                                                                                                                                     0x70
                                                                                                                                                                                                                                                                                                                     0x04
                                                                                                                                                                                                                                                                                                                     0x80
                                                                                                                                                                                                                                                                                                                     0×0F
                                                                                                                                                                                                                                                                                                                     0x00
  #define THERMOSTAT FAN MODE SET FAN MODE LOW V4
#define THERMOSTAT FAN MODE SET FAN MODE AUTO_HIGH_V4
#define THERMOSTAT FAN MODE SET FAN MODE HIGH_V4
                                                                                                                                                                                                                                                                                                                     0x01
                                                                                                                                                                                                                                                                                                                     0x02
                                                                                                                                                                                                                                                                                                                     0x03
  #define THERMOSTAT_FAN_MODE_SET_FAN_MODE_AUTO_MEDIUM_V4
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_MEDIUM_V4
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_CIRCULATION_V4
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_HUMIDITY_V4
                                                                                                                                                                                                                                                                                                                     0x04
                                                                                                                                                                                                                                                                                                                     0 \times 05
                                                                                                                                                                                                                                                                                                                     0x06
                                                                                                                                                                                                                                                                                                                     0x07
   #define THERMOSTAT_FAN_MODE_SET_FAN_MODE_LEFT_RIGHT_V4
                                                                                                                                                                                                                                                                                                                     0x08
  #define THERMOSTAT FAN MODE SET FAN MODE UP DOWN V4
#define THERMOSTAT FAN MODE SET FAN MODE QUIET V4
#define THERMOSTAT FAN MODE SET FAN MODE RESERVEDB V4
#define THERMOSTAT FAN MODE SET FAN MODE RESERVEDC V4
                                                                                                                                                                                                                                                                                                                     0x09
                                                                                                                                                                                                                                                                                                                     0x0A
                                                                                                                                                                                                                                                                                                                     0x0B
                                                                                                                                                                                                                                                                                                                     0x0C
   #define THERMOSTAT FAN MODE SET FAN MODE RESERVEDD V4
#define THERMOSTAT FAN MODE SET FAN MODE RESERVEDE V4
                                                                                                                                                                                                                                                                                                                     0x0D
                                                                                                                                                                                                                                                                                                                     0x0E
   #define THERMOSTAT_FAN_MODE_SET_FAN_MODE_RESERVEDF_V4
                                                                                                                                                                                                                                                                                                                     0x0F
  #define THERMOSTAT FAN MODE SET PROPERTIES1 RESERVED MASK V4 #define THERMOSTAT FAN MODE SET PROPERTIES1 RESERVED SHIFT V4
                                                                                                                                                                                                                                                                                                                     0x70
                                                                                                                                                                                                                                                                                                                     0x04
   #define THERMOSTAT FAN MODE SET PROPERTIES1 OFF BIT MASK V4
                                                                                                                                                                                                                                                                                                                     0x80
         Thermostat Fan State command class commands */
  #define THERMOSTAT_FAN_STATE_VERSION
#define THERMOSTAT_FAN_STATE_GET
                                                                                                                                                                                                                                                                                                                     0×01
                                                                                                                                                                                                                                                                                                                     0x02
  #define THERMOSTAT FAN_STATE REPORT
/* Values used for Thermostat Fan State Report command */
                                                                                                                                                                                                                                                                                                                     0x03
 #define THERMOSTAT_FAN_STATE_REPORT_LEVEL_RESERVED_MASK
#define THERMOSTAT_FAN_STATE_REPORT_LEVEL_RESERVED_MASK
#define THERMOSTAT_FAN_STATE_REPORT_LEVEL_RESERVED_MASK
#define THERMOSTAT_FAN_STATE_REPORT_LEVEL_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                                                     0x0F
                                                                                                                                                                                                                                                                                                                     0x00
                                                                                                                                                                                                                                                                                                                     0 \times 01
                                                                                                                                                                                                                                                                                                                     0xF0
                                                                                                                                                                                                                                                                                                                     0x04
   /st Thermostat Fan State command class commands st/
  #define THERMOSTAT_FAN_STATE_VERSION_V2
#define THERMOSTAT_FAN_STATE_GET_V2
#define THERMOSTAT_FAN_STATE_REPORT_V2
                                                                                                                                                                                                                                                                                                                     0 \times 0.2
                                                                                                                                                                                                                                                                                                                     0x02
                                                                                                                                                                                                                                                                                                                     0x03
    /* Values used for Thermostat Fan State Report command */
   #define THERMOSTAT FAN STATE REPORT LEVEL FAN OPERATING STATE MASK V2
                                                                                                                                                                                                                                                                                                                     0x0F
 #define THERMOSTAT FAN STATE REPORT LEVEL FAN OPERATING STATE MASK V2
#define THERMOSTAT FAN STATE REPORT FAN OPERATING STATE THERMOSTAT FAN STATE REPORT FAN OPERATING STATE RUNNING V2
#define THERMOSTAT FAN STATE REPORT FAN OPERATING STATE RUNNING HIGH V2
#define THERMOSTAT FAN STATE REPORT FAN OPERATING STATE RUNNING MEDIUM V2
#define THERMOSTAT FAN STATE REPORT FAN OPERATING STATE CIRCULATION V2
#define THERMOSTAT FAN STATE REPORT FAN OPERATING STATE HUMIDITY CIRCULATION V2
#define THERMOSTAT FAN STATE REPORT FAN OPERATING STATE RIGHT LEFT CIRCULATION V2
#define THERMOSTAT FAN STATE REPORT FAN OPERATING STATE RIGHT LEFT CIRCULATION V2
#define THERMOSTAT FAN STATE REPORT FAN OPERATING STATE QUIET CIRCULATION V2
#define THERMOSTAT FAN STATE REPORT FAN OPERATING STATE QUIET CIRCULATION V2
#define THERMOSTAT FAN STATE REPORT LEVEL RESERVED MASK V2
#define THERMOSTAT FAN STATE REPORT LEVEL RESERVED SHIFT V2
                                                                                                                                                                                                                                                                                                                     0x00
                                                                                                                                                                                                                                                                                                                     0x01
                                                                                                                                                                                                                                                                                                                     0 \times 0.2
                                                                                                                                                                                                                                                                                                                     0x03
                                                                                                                                                                                                                                                                                                                     0x04
                                                                                                                                                                                                                                                                                                                     0x05
                                                                                                                                                                                                                                                                                                                     0x06
                                                                                                                                                                                                                                                                                                                     0x07
                                                                                                                                                                                                                                                                                                                     0x08
                                                                                                                                                                                                                                                                                                                     0xF0
   #define THERMOSTAT FAN STATE REPORT LEVEL RESERVED SHIFT V2
                                                                                                                                                                                                                                                                                                                     0x04
   ^{\prime \star} Thermostat Heating command class commands ^{\star \prime}
  #define THERMOSTAT_HEATING_VERSION
#define THERMOSTAT_HEATING_STATUS_REPORT
#define THERMOSTAT_HEATING_MODE_GET
                                                                                                                                                                                                                                                                                                                     0 \times 01
                                                                                                                                                                                                                                                                                                                     0x0D
                                                                                                                                                                                                                                                                                                                     0x02
```

```
#define THERMOSTAT HEATING MODE REPORT
                                                                                                                                                                                            0x03
#define THERMOSTAT HEATING MODE REPORT
#define THERMOSTAT HEATING MODE SET
#define THERMOSTAT HEATING RELAY STATUS GET
#define THERMOSTAT HEATING RELAY STATUS REPORT
#define THERMOSTAT HEATING SETPOINT GET
#define THERMOSTAT HEATING SETPOINT REPORT
#define THERMOSTAT HEATING SETPOINT SET
#define THERMOSTAT HEATING SETPOINT SET
                                                                                                                                                                                            0x01
                                                                                                                                                                                            0x09
                                                                                                                                                                                            0x0A
                                                                                                                                                                                            0 \times 05
                                                                                                                                                                                            0x06
                                                                                                                                                                                            0x04
 #define THERMOSTAT_HEATING_STATUS_GET
                                                                                                                                                                                            0x0C
#define THERMOSTAT_HEATING_STATUS_SET
#define THERMOSTAT_HEATING_TIMED_OFF_SET
                                                                                                                                                                                            0x0B
                                                                                                                                                                                            0 \times 11
#define THERMOSTAT HEATING_TIMED_OFF_SET

/* Values used for Thermostat Heating Status Report command */
#define THERMOSTAT HEATING_STATUS_REPORT_HEATING
#define THERMOSTAT_HEATING_STATUS_REPORT_COOLING
/* Values used for Thermostat Heating Mode Report command */
                                                                                                                                                                                            0x00
                                                                                                                                                                                            0x01
 #define THERMOSTAT_HEATING_MODE_REPORT_OFF
                                                                                                                                                                                            0x00
#define THERMOSTAT HEATING MODE REPORT OFF TIMED #define THERMOSTAT HEATING MODE REPORT OFF 3 HOURS
                                                                                                                                                                                            0x01
                                                                                                                                                                                            0x02
#define THERMOSTAT HEATING MODE REPORT ANTI FREEZE #define THERMOSTAT HEATING MODE REPORT MANUAL
                                                                                                                                                                                            0x03
                                                                                                                                                                                            0x04
 #define THERMOSTAT_HEATING_MODE_REPORT_TEMPORARY_MANUAL
                                                                                                                                                                                            0x05
#define THERMOSTAT_HEATING_MODE_REPORT_AUTOMATIC
#define THERMOSTAT_HEATING_MODE_REPORT_MANUAL_TIMED
                                                                                                                                                                                            0x06
                                                                                                                                                                                            0x07
/* Values used for Thermostat Heating Mode Set command */#define THERMOSTAT_HEATING_MODE_SET_OFF
                                                                                                                                                                                            0x00
 #define THERMOSTAT HEATING MODE SET OFF TIMED
                                                                                                                                                                                            0x01
#define THERMOSTAT_HEATING_MODE_SET_OFF_3_HOURS
#define THERMOSTAT HEATING_MODE_SET_ANTI_FREEZE
#define THERMOSTAT_HEATING_MODE_SET_MANUAL
#define THERMOSTAT_HEATING_MODE_SET_TEMPORARY_MANUAL
                                                                                                                                                                                            0x02
                                                                                                                                                                                            0 \times 03
                                                                                                                                                                                            0 \times 0.4
                                                                                                                                                                                            0x05
#define THERMOSTAT HEATING MODE SET AUTOMATIC
#define THERMOSTAT HEATING MODE SET MANUAL TIMED
                                                                                                                                                                                            0x06
                                                                                                                                                                                            0x07
 ^{\prime \star} Values used for Thermostat Heating Relay Status Report command ^{\star \prime}
#define THERMOSTAT HEATING RELAY STATUS REPORT OFF
#define THERMOSTAT HEATING RELAY STATUS REPORT ON
/* Values used for Thermostat Heating Setpoint Report command
                                                                                                                                                                                            0x00
                                                                                                                                                                                            0x01
 #define THERMOSTAT_HEATING_SETPOINT_REPORT_PROPERTIES1_SIZE_MASK
                                                                                                                                                                                            0x07
#define THERMOSTAT_HEATING_SETPOINT_REPORT_PROPERTIES1_SCALE_MASK
#define THERMOSTAT_HEATING_SETPOINT_REPORT_PROPERTIES1_SCALE_SHIFT
#define THERMOSTAT_HEATING_SETPOINT_REPORT_PROPERTIES1_PRECISION_MASK
#define THERMOSTAT_HEATING_SETPOINT_REPORT_PROPERTIES1_PRECISION_SHIFT
/* Values used for Thermostat Heating Setpoint Set command */
                                                                                                                                                                                            0x18
                                                                                                                                                                                            0x03
                                                                                                                                                                                            0xE0
                                                                                                                                                                                            0x05
#define THERMOSTAT HEATING SETPOINT SET_PROPERTIES1 SIZE MASK #define THERMOSTAT HEATING_SETPOINT_SET_PROPERTIES1 SCALE MASK #define THERMOSTAT HEATING_SETPOINT_SET_PROPERTIES1_SCALE_SHIFT
                                                                                                                                                                                            0x07
                                                                                                                                                                                            0x18
                                                                                                                                                                                            0x03
#define THERMOSTAT HEATING SETPOINT SET PROPERTIES1 PRECISION MASK #define THERMOSTAT HEATING SETPOINT SET PROPERTIES1 PRECISION SHIFT /* Values used for Thermostat Heating Status Set command */
                                                                                                                                                                                            0xE0
                                                                                                                                                                                            0 \times 05
 #define THERMOSTAT_HEATING_STATUS_SET_HEATING
                                                                                                                                                                                            0x00
#define THERMOSTAT_HEATING_STATUS_SET_COOLING
                                                                                                                                                                                            0x01
/* Thermostat Mode command class commands */
#define THERMOSTAT_MODE_VERSION
#define THERMOSTAT_MODE_GET
                                                                                                                                                                                            0x01
                                                                                                                                                                                            0x02
 #define THERMOSTAT_MODE_REPORT
                                                                                                                                                                                            0x03
#define THERMOSTAT_MODE_SET
#define THERMOSTAT_MODE_SUPPORTED_GET
                                                                                                                                                                                            0x01
                                                                                                                                                                                            0 \times 0.4
#define THERMOSTAT_MODE_SUPPORTED_REPORT
/* Values used for Thermostat Mode Report command */
                                                                                                                                                                                            0 \times 0.5
#define THERMOSTAT MODE REPORT LEVEL MODE MASK #define THERMOSTAT MODE REPORT MODE OFF
                                                                                                                                                                                            0x1F
                                                                                                                                                                                            0x00
 #define THERMOSTAT_MODE_REPORT_MODE_HEAT
                                                                                                                                                                                            0 \times 0.1
#define THERMOSTAT_MODE_REPORT_MODE_COOL
#define THERMOSTAT_MODE_REPORT_MODE_AUTO
#define THERMOSTAT_MODE_REPORT_MODE_AUXILIARY_HEAT
#define THERMOSTAT_MODE_REPORT_MODE_RESUME
                                                                                                                                                                                            0x02
                                                                                                                                                                                            0x03
                                                                                                                                                                                            0x04
                                                                                                                                                                                            0x05
 #define THERMOSTAT_MODE_REPORT_MODE_FAN_ONLY
                                                                                                                                                                                            0x06
#define THERMOSTAT_MODE_REPORT_MODE_FURNACE
#define THERMOSTAT_MODE_REPORT_MODE_DRY_AIR
#define THERMOSTAT_MODE_REPORT_MODE_MOIST_AIR
                                                                                                                                                                                            0x07
                                                                                                                                                                                            0×08
                                                                                                                                                                                            0x09
#define THERMOSTAT MODE REPORT MODE AUTO CHANGEOVER
#define THERMOSTAT MODE REPORT LEVEL RESERVED MASK
#define THERMOSTAT MODE REPORT LEVEL RESERVED SHIFT
                                                                                                                                                                                            0x0A
                                                                                                                                                                                            0xE0
                                                                                                                                                                                            0x05
/* Values used for Thermostat Mode Set command */
#define THERMOSTAT MODE SET LEVEL MODE MASK
#define THERMOSTAT MODE SET MODE OFF
                                                                                                                                                                                            0x1F
                                                                                                                                                                                            0x00
#define THERMOSTAT_MODE_SET_MODE_HEAT
#define THERMOSTAT_MODE_SET_MODE_COOL
                                                                                                                                                                                            0x01
                                                                                                                                                                                            0x02
 #define THERMOSTAT_MODE_SET_MODE_AUTO
                                                                                                                                                                                            0x03
#define THERMOSTAT_MODE_SET_MODE_AUXILIARY_HEAT
#define THERMOSTAT_MODE_SET_MODE_RESUME
                                                                                                                                                                                            0 \times 0.4
                                                                                                                                                                                            0x05
#define THERMOSTAT MODE SET MODE FAN ONLY
                                                                                                                                                                                            0x06
```

```
#define THERMOSTAT MODE SET MODE FURNACE
                                                                                                                                                                                                                                 0x07
#define THERMOSTAT_MODE_SET_MODE_DRY_AIR
#define THERMOSTAT_MODE_SET_MODE_MOIST_AIR
                                                                                                                                                                                                                                 0x08
                                                                                                                                                                                                                                 0x09
#define THERMOSTAT MODE SET MODE AUTO CHANGEOVER
#define THERMOSTAT MODE SET LEVEL RESERVED MASK
                                                                                                                                                                                                                                 0x0A
                                                                                                                                                                                                                                 0xE0
#define THERMOSTAT_MODE_SET_LEVEL_RESERVED_SHIFT
                                                                                                                                                                                                                                 0x05
 /* Thermostat Mode command class commands */
#define THERMOSTAT_MODE_VERSION_V2
#define THERMOSTAT MODE GET V2
                                                                                                                                                                                                                                 0x02
                                                                                                                                                                                                                                 0 \times 02
#define THERMOSTAT_MODE_GET_V2
#define THERMOSTAT_MODE_REPORT_V2
#define THERMOSTAT_MODE_SET_V2
#define THERMOSTAT_MODE_SUPPORTED_GET_V2
#define THERMOSTAT_MODE_SUPPORTED_REPORT_V2
/* Values used for Thermostat Mode Report command */
#define THERMOSTAT_MODE_REPORT_LEVEL_MODE_MASK_V2
#define THERMOSTAT_MODE_REPORT_MODE_OFF_V2
                                                                                                                                                                                                                                 0x03
                                                                                                                                                                                                                                 0x01
                                                                                                                                                                                                                                 0x04
                                                                                                                                                                                                                                 0x05
                                                                                                                                                                                                                                 0×1F
                                                                                                                                                                                                                                 0x00
#define THERMOSTAT MODE REPORT MODE HEAT V2
#define THERMOSTAT MODE REPORT MODE COOL V2
                                                                                                                                                                                                                                 0x01
                                                                                                                                                                                                                                 0x02
 #define THERMOSTAT_MODE_REPORT_MODE_AUTO_V2
                                                                                                                                                                                                                                 0x03
#define THERMOSTAT_MODE_REPORT_MODE_ROTO_V2
#define THERMOSTAT_MODE_REPORT_MODE_RESUME_V2
#define THERMOSTAT_MODE_REPORT_MODE_FAN_ONLY_V2
#define THERMOSTAT_MODE_REPORT_MODE_FURNACE_V2
                                                                                                                                                                                                                                 0x04
                                                                                                                                                                                                                                 0x05
                                                                                                                                                                                                                                 0x06
                                                                                                                                                                                                                                 0x07
 #define THERMOSTAT MODE REPORT MODE DRY AIR V2
                                                                                                                                                                                                                                 0x08
#define THERMOSTAT_MODE_REPORT_MODE_DRI_AIR_V2
#define THERMOSTAT_MODE_REPORT_MODE_AUTO_CHANGEOVER_V2
#define THERMOSTAT_MODE_REPORT_MODE_ENERGY_SAVE_HEAT_V2
#define THERMOSTAT_MODE_REPORT_MODE_ENERGY_SAVE_COOL_V2
                                                                                                                                                                                                                                 0x09
                                                                                                                                                                                                                                 0x0A
                                                                                                                                                                                                                                 0 \times 0 B
                                                                                                                                                                                                                                 0x0C
#define THERMOSTAT MODE REPORT MODE AWAY V2
#define THERMOSTAT MODE REPORT LEVEL RESERVED MASK V2
#define THERMOSTAT MODE REPORT LEVEL RESERVED SHIFT V2
                                                                                                                                                                                                                                 0x0D
                                                                                                                                                                                                                                 0xE0
                                                                                                                                                                                                                                 0x05
/* Values used for Thermostat Mode Set command */
#define THERMOSTAT MODE SET_LEVEL MODE MASK_V2
#define THERMOSTAT MODE_SET_MODE_OFF_V2
#define THERMOSTAT_MODE_SET_MODE_HEAT_V2
                                                                                                                                                                                                                                 0x1F
                                                                                                                                                                                                                                 0x00
                                                                                                                                                                                                                                 0x01
 #define THERMOSTAT_MODE_SET_MODE_COOL_V2
                                                                                                                                                                                                                                 0x02
#define THERMOSTAT_MODE_SET_MODE_AUTILIARY_HEAT_V2
#define THERMOSTAT_MODE_SET_MODE_RESUME_V2
#define THERMOSTAT_MODE_SET_MODE_FAN_ONLY_V2
                                                                                                                                                                                                                                 0x03
                                                                                                                                                                                                                                 0 \times 0.4
                                                                                                                                                                                                                                 0x05
                                                                                                                                                                                                                                 0x06
#define THERMOSTAT_MODE_SET_MODE_FAN_ONIT_V2
#define THERMOSTAT_MODE_SET_MODE_FURNACE_V2
#define THERMOSTAT_MODE_SET_MODE_DRY_AIR_V2
#define THERMOSTAT_MODE_SET_MODE_MOIST_AIR_V2
#define THERMOSTAT_MODE_SET_MODE_AUTO_CHANGEOVER_V2
#define THERMOSTAT_MODE_SET_MODE_ENERGY_SAVE_HEAT_V2
                                                                                                                                                                                                                                 0x07
                                                                                                                                                                                                                                 0x08
                                                                                                                                                                                                                                 0x09
                                                                                                                                                                                                                                 0 \times 0 A
                                                                                                                                                                                                                                 0x0B
#define THERMOSTAT_MODE_SET_MODE_ENERGY_SAVE_HEAT_V2
#define THERMOSTAT_MODE_SET_MODE_ENERGY_SAVE_COOL_V2
#define THERMOSTAT_MODE_SET_MODE_AWAY_V2
#define THERMOSTAT_MODE_SET_LEVEL_RESERVED_MASK_V2
#define THERMOSTAT_MODE_SET_LEVEL_RESERVED_SHIFT_V2
                                                                                                                                                                                                                                 0x0C
                                                                                                                                                                                                                                 0x0D
                                                                                                                                                                                                                                 0xE0
                                                                                                                                                                                                                                 0 \times 0.5
/* Thermostat Mode command class commands */
#define THERMOSTAT_MODE_VERSION_V3
#define THERMOSTAT_MODE_GET_V3
                                                                                                                                                                                                                                 0x03
                                                                                                                                                                                                                                 0x02
 #define THERMOSTAT_MODE_REPORT_V3
                                                                                                                                                                                                                                 0x03
#define THERMOSTAT_MODE_SET_V3
#define THERMOSTAT_MODE_SUPPORTED_GET_V3
#define THERMOSTAT_MODE_SUPPORTED_REPORT_V3
                                                                                                                                                                                                                                 0 \times 0.1
                                                                                                                                                                                                                                 0 \times 0.4
                                                                                                                                                                                                                                 0x05
 /* Values used for Thermostat Mode Report command */
/* Values used for Thermostat Mode Report command */
#define THERMOSTAT_MODE_REPORT_LEVEL_MODE_MASK_V3
#define THERMOSTAT_MODE_REPORT_MODE_OFF_V3
#define THERMOSTAT_MODE_REPORT_MODE_HEAT_V3
#define THERMOSTAT_MODE_REPORT_MODE_COOL_V3
#define THERMOSTAT_MODE_REPORT_MODE_AUTO_V3
#define THERMOSTAT_MODE_REPORT_MODE_AUXILIARY_HEAT_V3
                                                                                                                                                                                                                                 0x1F
                                                                                                                                                                                                                                 0x00
                                                                                                                                                                                                                                 0x01
                                                                                                                                                                                                                                 0x02
                                                                                                                                                                                                                                 0x03
                                                                                                                                                                                                                                 0x04
 #define THERMOSTAT_MODE_REPORT_MODE_RESUME_V3
                                                                                                                                                                                                                                 0x05
#define THERMOSTAT MODE REPORT MODE FAN ONLY V3
#define THERMOSTAT MODE REPORT MODE FURNACE V3
#define THERMOSTAT MODE REPORT MODE DRY_AIR_V3
                                                                                                                                                                                                                                 0x06
                                                                                                                                                                                                                                 0 \times 0.7
                                                                                                                                                                                                                                 0x08
#define THERMOSTAT_MODE_REPORT_MODE_MOIST_AIR_V3
                                                                                                                                                                                                                                 0x09
#define THERMOSTAT_MODE_REPORT_MODE_AUTO_CHANGEOVER_V3
#define THERMOSTAT_MODE_REPORT_MODE_ENERGY_SAVE_HEAT_V3
#define THERMOSTAT_MODE_REPORT_MODE_ENERGY_SAVE_COOL_V3
#define THERMOSTAT_MODE_REPORT_MODE_AWAY_V3
#define THERMOSTAT_MODE_REPORT_MODE_RESERVED_V3
                                                                                                                                                                                                                                 0x0A
                                                                                                                                                                                                                                 0x0B
                                                                                                                                                                                                                                 0x0C
                                                                                                                                                                                                                                 0x0D
                                                                                                                                                                                                                                 0x0E
#define THERMOSTAT MODE REPORT MODE FULL POWER V3
#define THERMOSTAT MODE REPORT MODE RESERVEDO_V3
                                                                                                                                                                                                                                 0x0F
                                                                                                                                                                                                                                 0x10
#define THERMOSTAT MODE REPORT MODE RESERVED1 V3
#define THERMOSTAT MODE REPORT MODE RESERVED2 V3
#define THERMOSTAT MODE REPORT MODE RESERVED3 V3
#define THERMOSTAT MODE REPORT MODE RESERVED4 V3
                                                                                                                                                                                                                                 0x11
                                                                                                                                                                                                                                 0 \times 12
                                                                                                                                                                                                                                 0x13
                                                                                                                                                                                                                                 0x14
```

```
#define THERMOSTAT MODE REPORT MODE RESERVED5 V3
                                                                                                                                                                                                                          0x15
#define THERMOSTAT MODE REPORT MODE RESERVED6 V3
#define THERMOSTAT MODE REPORT MODE RESERVED7 V3
                                                                                                                                                                                                                          0x16
                                                                                                                                                                                                                          0x17
#define THERMOSTAT MODE REPORT MODE RESERVED8 V3
#define THERMOSTAT MODE REPORT MODE RESERVED9 V3
#define THERMOSTAT MODE REPORT MODE RESERVEDA V3
#define THERMOSTAT MODE REPORT MODE RESERVEDB V3
                                                                                                                                                                                                                          0x18
                                                                                                                                                                                                                          0x19
                                                                                                                                                                                                                          0x1A
                                                                                                                                                                                                                          0x1B
 #define THERMOSTAT_MODE_REPORT_MODE_RESERVEDC_V3
                                                                                                                                                                                                                          0x1C
#define THERMOSTAT MODE REPORT MODE RESERVEDD V3
#define THERMOSTAT MODE REPORT MODE RESERVEDE V3
                                                                                                                                                                                                                          0x1D
                                                                                                                                                                                                                          0 \times 1 E
#define THERMOSTAT_MODE_REPORT_MODE_MANUFACTURER_SPECIFC_V3
#define THERMOSTAT_MODE_REPORT_LEVEL_NO_OF_MANUFACTURER_DATA_FIELDS_MASK_V3
#define THERMOSTAT_MODE_REPORT_LEVEL_NO_OF_MANUFACTURER_DATA_FIELDS_SHIFT_V3
/* Values used for Thermostat Mode Set command */
                                                                                                                                                                                                                          0x1F
                                                                                                                                                                                                                          0xE0
                                                                                                                                                                                                                          0x05
#define THERMOSTAT_MODE_SET_LEVEL_MODE_MASK_V3
                                                                                                                                                                                                                          0x1F
#define THERMOSTAT_MODE_SET_MODE_OFF_V3
#define THERMOSTAT_MODE_SET_MODE_HEAT_V3
                                                                                                                                                                                                                         0x00
0x01
#define THERMOSTAT_MODE_SET_MODE_COOL_V3
#define THERMOSTAT_MODE_SET_MODE_AUTO_V3
                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                          0x03
#define THERMOSTAT_MODE_SET_MODE_AUXILIARY_HEAT_V3
#define THERMOSTAT_MODE_SET_MODE_RESUME_V3
#define THERMOSTAT_MODE_SET_MODE_FAN_ONLY_V3
#define THERMOSTAT_MODE_SET_MODE_FURNACE_V3
#define THERMOSTAT_MODE_SET_MODE_DRY_AIR_V3
                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                          0x06
                                                                                                                                                                                                                          0x07
                                                                                                                                                                                                                          0x08
#define THERMOSTAT_MODE_SET_MODE_DNI_AIR_V3
#define THERMOSTAT_MODE_SET_MODE_AUTO_CHANGEOVER_V3
#define THERMOSTAT_MODE_SET_MODE_ENERGY_SAVE_HEAT_V3
#define THERMOSTAT_MODE_SET_MODE_ENERGY_SAVE_COOL_V3
#define THERMOSTAT_MODE_SET_MODE_AWAY_V3
                                                                                                                                                                                                                          0x09
                                                                                                                                                                                                                          0x0A
                                                                                                                                                                                                                          0x0B
                                                                                                                                                                                                                          0 \times 0 C
                                                                                                                                                                                                                          0x0D
#define THERMOSTAT MODE SET MODE RESERVED V3
#define THERMOSTAT MODE SET MODE FULL POWER V3
#define THERMOSTAT MODE SET MODE RESERVED V3
                                                                                                                                                                                                                          0x0E
                                                                                                                                                                                                                          0x0F
                                                                                                                                                                                                                          0x10
#define THERMOSTAT_MODE_SET_MODE_RESERVED1_V3
#define THERMOSTAT_MODE_SET_MODE_RESERVED2_V3
#define THERMOSTAT_MODE_SET_MODE_RESERVED3_V3
#define THERMOSTAT_MODE_SET_MODE_RESERVED4_V3
                                                                                                                                                                                                                          0x11
                                                                                                                                                                                                                          0x12
                                                                                                                                                                                                                          0x13
                                                                                                                                                                                                                          0x14
#define THERMOSTAT_MODE_SET_MODE_RESERVED5_V3
                                                                                                                                                                                                                          0x15
#define THERMOSTAT_MODE_SET_MODE_RESERVED6_V3
#define THERMOSTAT_MODE_SET_MODE_RESERVED7_V3
#define THERMOSTAT_MODE_SET_MODE_RESERVED8_V3
#define THERMOSTAT_MODE_SET_MODE_RESERVED9_V3
                                                                                                                                                                                                                          0x16
                                                                                                                                                                                                                          0 \times 17
                                                                                                                                                                                                                          0x18
                                                                                                                                                                                                                          0x19
#define THERMOSTAT_MODE_SET_MODE_RESERVEDA_V3
#define THERMOSTAT_MODE_SET_MODE_RESERVEDB_V3
                                                                                                                                                                                                                          0x1A
                                                                                                                                                                                                                          0x1B
#define THERMOSTAT_MODE_SET_MODE_RESERVEDC_V3
                                                                                                                                                                                                                          0x1C
#define THERMOSTAT MODE SET MODE RESERVEDD V3
#define THERMOSTAT MODE SET MODE RESERVEDE V3
                                                                                                                                                                                                                          0 \times 1 D
                                                                                                                                                                                                                          0x1E
#define THERMOSTAT MODE_SET_MODE_MANUFACTURER_SPECIFC_V3
#define THERMOSTAT_MODE_SET_LEVEL_NO_OF_MANUFACTURER_DATA_FIELDS_MASK_V3
                                                                                                                                                                                                                          0x1F
                                                                                                                                                                                                                          0xE0
#define THERMOSTAT_MODE_SET_LEVEL_NO_OF_MANUFACTURER_DATA_FIELDS_SHIFT_V3
                                                                                                                                                                                                                          0x05
/* Thermostat Operating State command class commands */#define THERMOSTAT_OPERATING_STATE_VERSION #define THERMOSTAT_OPERATING_STATE_GET
                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                          0x02
 #define THERMOSTAT_OPERATING_STATE_REPORT
                                                                                                                                                                                                                          0x03
#define THERMOSTAT_OPERATING_STATE_REPORT LEVEL OPERATING_STATE_MASK #define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_IDLE #define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_HEATING
                                                                                                                                                                                                                          0×0F
                                                                                                                                                                                                                          0 \times 0.0
                                                                                                                                                                                                                          0x01
#define THERMOSTAT OPERATING STATE REPORT OPERATING STATE COOLING
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_FAN_ONLY
                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                          0x03
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_FAN_ONDIT
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_PENDING_HEAT
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_PENDING_COOL
#define THERMOSTAT_OPERATING_STATE_REPORT_DEVEL_RESERVED_MASK
#define THERMOSTAT_OPERATING_STATE_REPORT_LEVEL_RESERVED_SHIFT
                                                                                                                                                                                                                          0 \times 0.4
                                                                                                                                                                                                                          0 \times 05
                                                                                                                                                                                                                          0x06
                                                                                                                                                                                                                          0xF0
                                                                                                                                                                                                                          0x04
/* Thermostat Operating State command class commands */
#define THERMOSTAT_OPERATING_STATE_VERSION_V2
#define THERMOSTAT_OPERATING_STATE_GET_V2
#define THERMOSTAT_OPERATING_STATE_REPORT_V2
                                                                                                                                                                                                                          0 \times 0.2
                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                          0x03
#define THERMOSTAT_OPERATING_STATE_LOGGING_SUPPORTED_GET_V2
#define THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_V2
#define THERMOSTAT_OPERATING_STATE_LOGGING_GET_V2
#define THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_V2
/* Values used for Thermostat Operating State Report command */
                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                          0 \times 0.5
                                                                                                                                                                                                                          0x06
#define THERMOSTAT OPERATING STATE REPORT PROPERTIES! OPERATING STATE MASK_V2 #define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_IDLE_V2
                                                                                                                                                                                                                          0x0F
                                                                                                                                                                                                                          0x00
#define THERMOSTAT OPERATING STATE REPORT OPERATING STATE HEATING V2
#define THERMOSTAT OPERATING STATE REPORT OPERATING STATE COOLING V2
#define THERMOSTAT OPERATING STATE REPORT OPERATING STATE FAN ONLY V2
#define THERMOSTAT OPERATING STATE REPORT OPERATING STATE FENDING HEAT V2
                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                          0 \times 02
                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                          0x04
```

```
#define THERMOSTAT OPERATING STATE REPORT OPERATING STATE PENDING COOL V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x05
      #define THERMOSTAT OPERATING STATE REPORT OPERATING STATE VENT ECONOMIZER_V2 #define THERMOSTAT OPERATING_STATE_REPORT_OPERATING_STATE_AUX_HEATING_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x07
    #define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_AUX_HEATING_V2
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_2ND_STAGE_HEATING_V2
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_2ND_STAGE_COOLING_V2
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_2ND_STAGE_AUX_HEAT_V2
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_3RD_STAGE_AUX_HEAT_V2
#define THERMOSTAT_OPERATING_STATE_REPORT_PROPERTIES1_RESERVED_MASK_V2
#define THERMOSTAT_OPERATING_STATE_REPORT_PROPERTIES1_RESERVED_SHIFT_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x0A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x0B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0xF0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x04
                 Thermostat Setback command class commands */
     #define THERMOSTAT_SETBACK_VERSION
#define THERMOSTAT_SETBACK_GET
#define THERMOSTAT_SETBACK_REPORT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x03
      #define THERMOSTAT_SETBACK_SET
   #define THERMOSTAT_SETBACK_SET

/* Values used for Thermostat Setback Report command */
#define THERMOSTAT_SETBACK_REPORT_PROPERTIES1_SETBACK_TYPE_MASK
#define THERMOSTAT_SETBACK_REPORT_SETBACK_TYPE_NO_OVERRIDE
#define THERMOSTAT_SETBACK_REPORT_SETBACK_TYPE_TEMPORARY_OVERRIDE
#define THERMOSTAT_SETBACK_REPORT_SETBACK_TYPE_PERMANENT_OVERRIDE
#define THERMOSTAT_SETBACK_REPORT_SETBACK_TYPE_RESERVED
#define THERMOSTAT_SETBACK_REPORT_PROPERTIES1_RESERVED_MASK
#define THERMOSTAT_SETBACK_REPORT_PROPERTIES1_RESERVED_SHIFT
/* Values used for Thermostat Setback Set_command */
#define_THERMOSTAT_SETBACK_SET_PROPERTIES1_SETBACK_TYPE_MASK_
#define_THERMOSTAT_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETBACK_TYPE_MASK_#DEFINES1_SETB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 0.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0xFC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x02
       #define THERMOSTAT SETBACK SET PROPERTIES1 SETBACK TYPE MASK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x03
    #define THERMOSTAT_SETBACK_SET_PROPERTIES1_SETBACK_TYPE_MASK
#define THERMOSTAT_SETBACK_SET_SETBACK_TYPE_NO_OVERRIDE
#define THERMOSTAT_SETBACK_SET_SETBACK_TYPE_TEMPORARY_OVERRIDE
#define THERMOSTAT_SETBACK_SET_SETBACK_TYPE_PERMANENT_OVERRIDE
#define THERMOSTAT_SETBACK_SET_SETBACK_TYPE_RESERVED
#define THERMOSTAT_SETBACK_SET_PROPERTIES1_RESERVED_MASK
#define THERMOSTAT_SETBACK_SET_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0xFC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x02
    /* Thermostat Setpoint command class commands */
#define THERMOSTAT_SETPOINT_VERSION
#define THERMOSTAT_SETPOINT_GET
#define THERMOSTAT_SETPOINT_REPORT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x03
      #define THERMOSTAT_SETPOINT_SET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x01
#define THERMOSTAT SETPOINT SUPPORTED GET

#define THERMOSTAT SETPOINT SUPPORTED REPORT

/* Values used for Thermostat Setpoint Get command */

#define THERMOSTAT SETPOINT GET LEVEL SETPOINT TYPE MASK

#define THERMOSTAT SETPOINT GET SETPOINT TYPE NOT SUPPORTED

#define THERMOSTAT SETPOINT GET SETPOINT TYPE HEATING 1

#define THERMOSTAT SETPOINT GET SETPOINT TYPE HEATING 1

#define THERMOSTAT SETPOINT GET SETPOINT TYPE NOT SUPPORTED1

#define THERMOSTAT SETPOINT GET SETPOINT TYPE NOT SUPPORTED1

#define THERMOSTAT SETPOINT GET SETPOINT TYPE NOT SUPPORTED2

#define THERMOSTAT SETPOINT GET SETPOINT TYPE NOT SUPPORTED3

#define THERMOSTAT SETPOINT GET SETPOINT TYPE NOT SUPPORTED4

#define THERMOSTAT SETPOINT GET SETPOINT TYPE DRY AIR

#define THERMOSTAT SETPOINT GET SETPOINT TYPE DRY AIR

#define THERMOSTAT SETPOINT GET SETPOINT TYPE MOIST AIR

#define THERMOSTAT SETPOINT GET LEVEL RESERVED MASK

#define THERMOSTAT SETPOINT GET LEVEL RESERVED SHIFT

/* Values used for Thermostat Setpoint Report command */

#define THERMOSTAT SETPOINT REPORT LEVEL SETPOINT TYPE MASK

#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE NOT SUPPORTED4

#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE NOT SUPPORTED5

#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE NOT SUPPORTED6

#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE AUTO CHANGEOVER

#d
     #define THERMOSTAT_SETPOINT_SUPPORTED_GET #define THERMOSTAT_SETPOINT_SUPPORTED_REPORT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x0F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 0.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0×08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x0A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0xF0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0×0F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 0.4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x0A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0xF0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times E0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 05
      #define THERMOSTAT SETPOINT SET_LEVEL_SETPOINT_TYPE_MASK
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x0F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x00
     #define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_HEATING_1
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_COOLING_1
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED1
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0 \times 02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0x03
```

```
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED3
#define Hermostat_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED4
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_FURNACE
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_DRY_AIR
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_MOIST_AIR
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_AUTO_CHANGEOVER
#define THERMOSTAT_SETPOINT_SET_LEVEL_RESERVED_MASK
#define THERMOSTAT_SETPOINT_SET_LEVEL2_SIZE_MASK
#define THERMOSTAT_SETPOINT_SET_LEVEL2_SCALE_MASK
#define THERMOSTAT_SETPOINT_SET_LEVEL2_SCALE_SHIFT
#define THERMOSTAT_SETPOINT_SET_LEVEL2_PRECISION_MASK
#define THERMOSTAT_SETPOINT_SET_LEVEL2_PRECISION_SHIFT
       #define THERMOSTAT SETPOINT SET SETPOINT TYPE NOT SUPPORTED3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x0A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0xF0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0 \times 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0xE0
        /* Thermostat Setpoint command class commands */
      #define THERMOSTAT_SETPOINT_VERSION_V2 #define THERMOSTAT_SETPOINT_GET_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0 \times 0.2
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       #define THERMOSTAT_SETPOINT_REPORT_V2
#define THERMOSTAT_SETPOINT_SET_V2
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      #define THERMOSTAT_SETPOINT_SUPPORTED_GET_V2
#define THERMOSTAT_SETPOINT_SUPPORTED_REPORT_V2
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  define THERMOSTAT SETPOINT SUPPORTED REPORT V2

/* Values used for Thermostat Setpoint Get command */
#define THERMOSTAT SETPOINT GET LEVEL SETPOINT TYPE MASK V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE NOT SUPPORTED V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE HEATING 1 V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE HEATING 1 V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE NOT SUPPORTED1 V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE NOT SUPPORTED1 V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE NOT SUPPORTED2 V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE NOT SUPPORTED3 V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE NOT SUPPORTED4 V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE NOT SUPPORTED4 V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE FURNACE V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE MOIST AIR V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE MOIST AIR V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE ENERGY SAVE HEATING V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE ENERGY SAVE COOLING V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE ENERGY SAVE COOLING V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE ENERGY SAVE COOLING V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE ENERGY SAVE COOLING V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE ENERGY SAVE COOLING V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE ENERGY SAVE COOLING V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE AWAY HEATING V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE AWAY HEATING V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE AWAY HEATING V2
#define THERMOSTAT SETPOINT GET SETPOINT TYPE AWAY HEATING V2
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     #define THERMOSTAT_SETPOINT_GET_LEVEL_RESERVED_MASK_V2
#define THERMOSTAT_SETPOINT_GET_LEVEL_RESERVED_MASK_V2
#define THERMOSTAT_SETPOINT_GET_LEVEL_RESERVED_SHIFT_V2
/* Values used for Thermostat Setpoint Report command */
#define THERMOSTAT_SETPOINT_REPORT_LEVEL_SETPOINT_TYPE_MASK_V2
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED_V2
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_HEATING_1_V2
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_COOLING_1_V2
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#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE HEATING 1 V2
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE HEATING 1 V2
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE COOLING 1 V2
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE NOT SUPPORTED1 V2
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE NOT SUPPORTED2 V2
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE NOT SUPPORTED3 V2
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE NOT SUPPORTED4 V2
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE NOT SUPPORTED4 V2
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE NOT SUPPORTED4 V2
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE DNY AIR V2
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE DNY AIR V2
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE AUTO CHANGEOVER V2
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE ENERGY SAVE HEATING V2
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE ENERGY SAVE COOLING V2
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE ENERGY SAVE COOLING V2
#define THERMOSTAT SETPOINT REPORT LEVEL RESERVED MASK V2
#define THERMOSTAT SETPOINT REPORT LEVEL RESERVED SHIFT V2
#define THERMOSTAT SETPOINT REPORT LEVEL RESERVED MASK V2
#define THERMOSTAT SETPOINT REPORT LEVEL RESERVED MASK V2
#define THERMOSTAT SETPOINT REPORT LEVELS SIZE MASK V2
#define THERMOSTAT SETPOINT REPORT LEVELS SIZE MASK V2
#define THERMOSTAT SETPOINT REPORT LEVELS SIZE MASK V2
#define THERMOSTAT SETPOINT REPORT LEVELS SCALE MASK V2
#define THERMOSTAT SETPOINT REPORT LEVELS CALE MASK V2
#define THERMOSTAT SETPOINT SET SETPOINT TYPE MOS SUPPORTED V2
#define THERMOSTAT SETPOINT SET SETPOINT TYPE NOT SUPPORTED V2
#define THERMOSTAT SETPOINT SET SETPOINT TYPE NOT SUPPORTED V2
#define THERMOSTAT SETPOINT SET SETPOINT TYPE NOT SUPPORTED V2
#define THERMOSTAT SETPOINT SET SETPOINT TYPE NOT SUPPORTED1 V2
#define THERMOSTAT SETPOINT SET SETPOINT TYPE MOS SAVE HEATING V
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#define THERMOSTAT SETPOINT SET LEVEL2 SCALE MASK V2
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   #define THERMOSTAT_SETPOINT_SET_LEVEL2_SCALE_SHIFT_V2
#define THERMOSTAT_SETPOINT_SET_LEVEL2_PRECISION_MASK_V2
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   #define THERMOSTAT_SETPOINT_SET_LEVEL2_PRECISION_SHIFT_V2
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    /* Thermostat Setpoint command class commands */
/* Thermostat Setpoint command class commands */
#define THERMOSTAT_SETPOINT_VERSION_V3
#define THERMOSTAT_SETPOINT_GET_V3
#define THERMOSTAT_SETPOINT_REPORT_V3
#define THERMOSTAT_SETPOINT_SET_V3
#define THERMOSTAT_SETPOINT_SUPPORTED_GET_V3
#define THERMOSTAT_SETPOINT_SUPPORTED_REPORT_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_V3
/* Values_used_for_Thermostat_Setpoint_Get_command
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/* Values used for Thermostat Setpoint Get command */
#define THERMOSTAT SETPOINT_GET_LEVEL_SETPOINT_TYPE_MASK_V3
#define THERMOSTAT SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_HEATING_1_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_HEATING_1_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED1_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED2_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED3_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED3_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED4_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED4_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_MOIST_AIR_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_MOIST_AIR_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_AUTO_CHANGEOVER_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_AUTO_CHANGEOVER_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_BENERGY_SAVE_HEATING_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_BENERGY_SAVE_COOLING_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_AWAY_HEATING_V3
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_AWA
      /* Values used for Thermostat Setpoint Get command */
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  #define THERMOSTAT SETPOINT GET LEVEL RESERVED MASK V3
#define THERMOSTAT SETPOINT GET LEVEL RESERVED SHIFT V3
/* Values used for Thermostat Setpoint Report command */
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  #define THERMOSTAT_SETPOINT_REPORT_LEVEL_SETFOINT_TYPE_MASK_V3
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED_V3
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 #define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED_V3
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_HEATING_1_V3
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED1_V3
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED2_V3
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED3_V3
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED4_V3
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_FURNACE_V3
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_FURNACE_V3
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#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE FURNACE V3
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE DRY AIR V3
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE DRY AIR V3
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE MOIST AIR V3
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE AUTO CHANGEOVER V3
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE ENERGY SAVE HEATING V3
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE ENERGY SAVE COOLING V3
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE AWAY HEATING V3
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE AWAY COOLING V3
#define THERMOSTAT SETPOINT REPORT SETPOINT TYPE FULL POWER V3
#define THERMOSTAT SETPOINT REPORT LEVEL RESERVED MASK V3
#define THERMOSTAT SETPOINT REPORT LEVEL RESERVED SHIFT V3
#define THERMOSTAT SETPOINT REPORT LEVEL2 SCALE MASK V3
#define THERMOSTAT SETPOINT REPORT LEVEL2 SCALE SHIFT V3
#define THERMOSTAT SETPOINT REPORT LEVEL2 SCALE SHIFT V3
#define THERMOSTAT SETPOINT REPORT LEVEL2 PRECISION MASK V3
#define THERMOSTAT SETPOINT REPORT LEVEL2 PRECISION SHIFT V3
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   #define THERMOSTAT_SETPOINT_REPORT_LEVEL2_PRECISION_SHIFT_V3
/* Values used for Thermostat Setpoint Set command */
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/* Values used for Thermostat Setpoint Set command */
#define THERMOSTAT SETPOINT_SET_LEVEL_SETPOINT_TYPE_MASK_V3
#define THERMOSTAT SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED_V3
#define THERMOSTAT SETPOINT_SET_SETPOINT_TYPE_HEATING_1_V3
#define THERMOSTAT SETPOINT_SET_SETPOINT_TYPE_HEATING_1_V3
#define THERMOSTAT SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED1_V3
#define THERMOSTAT SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED2_V3
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED3_V3
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED3_V3
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED4_V3
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED4_V3
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_DRY_AIR_V3
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_DOIST_AIR_V3
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_AUTO_CHANGEOVER_V3
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_BNERGY_SAVE_HEATING_V3
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_BNERGY_SAVE_COOLING_V3
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_AWAY_HEATING_V3
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_AWAY_HEATI
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  #define THERMOSTAT_SETPOINT_SET_LEVEL_RESERVED_MASK_V3
#define THERMOSTAT_SETPOINT_SET_LEVEL_RESERVED_SHIFT_V3
#define THERMOSTAT_SETPOINT_SET_LEVEL2_SIZE_MASK_V3
#define THERMOSTAT_SETPOINT_SET_LEVEL2_SCALE_MASK_V3
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#define THERMOSTAT SETPOINT SET LEVEL2 SCALE SHIFT V3
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 #define THERMOSTAT SETPOINT SET_LEVEL2 PRECISION MASK_V3
#define THERMOSTAT_SETPOINT_SET_LEVEL2_PRECISION_SHIFT_V3
                                                                                                                                                                                                                                                                                         0xE0
                                                                                                                                                                                                                                                                                         0x05
#define THERMOSTAT SETPOINT SET_LEVEL2 PRECISION SHIFT_V3

/* Values used for Thermostat Setpoint Capabilities Get command */
#define THERMOSTAT SETPOINT_CAPABILITIES GET_PROPERTIES1 SETPOINT_TYPE_MASK_V3
#define THERMOSTAT SETPOINT_CAPABILITIES GET_SETPOINT_TYPE_NOT_SUPPORTED_V3
#define THERMOSTAT SETPOINT_CAPABILITIES GET_SETPOINT_TYPE_HEATING_1_V3
#define THERMOSTAT SETPOINT_CAPABILITIES GET_SETPOINT_TYPE_COOLING_1_V3
#define THERMOSTAT SETPOINT_CAPABILITIES GET_SETPOINT_TYPE_NOT_SUPPORTED1_V3
#define THERMOSTAT SETPOINT_CAPABILITIES GET_SETPOINT_TYPE_NOT_SUPPORTED2_V3
#define THERMOSTAT SETPOINT_CAPABILITIES GET_SETPOINT_TYPE_NOT_SUPPORTED3_V3
#define THERMOSTAT SETPOINT_CAPABILITIES GET_SETPOINT_TYPE_NOT_SUPPORTED4_V3
#define THERMOSTAT SETPOINT_CAPABILITIES GET_SETPOINT_TYPE_NOT_SUPPORTED4_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_DRY_AIR_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_DRY_AIR_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_DRY_AIR_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_MOIST_AIR_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_DRY_AIR_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_MOIST_AIR_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_MOIST_AIR_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_MOIST_AIR_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_MOIST_AIR_V3
                                                                                                                                                                                                                                                                                         0x0F
                                                                                                                                                                                                                                                                                         0x00
                                                                                                                                                                                                                                                                                         0x01
                                                                                                                                                                                                                                                                                         0x02
                                                                                                                                                                                                                                                                                         0x03
                                                                                                                                                                                                                                                                                         0 \times 0.4
                                                                                                                                                                                                                                                                                         0x05
                                                                                                                                                                                                                                                                                         0x06
                                                                                                                                                                                                                                                                                         0x07
                                                                                                                                                                                                                                                                                         0x08
                                                                                                                                                                                                                                                                                         0x09
 #define THERMOSTAT SETPOINT CAPABILITIES GET SETPOINT TYPE AUTO CHANGEOVER V3
#define THERMOSTAT SETPOINT CAPABILITIES GET SETPOINT TYPE ENERGY SAVE HEATING V3
#define THERMOSTAT SETPOINT CAPABILITIES GET SETPOINT TYPE ENERGY SAVE COOLING V3
#define THERMOSTAT SETPOINT CAPABILITIES GET SETPOINT TYPE AWAY HEATING V3
                                                                                                                                                                                                                                                                                         0 \times 0 A
                                                                                                                                                                                                                                                                                         0x0B
                                                                                                                                                                                                                                                                                         0x0C
                                                                                                                                                                                                                                                                                         0x0D
 #define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_AWAY_COOLING_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_FULL_POWER_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_PROPERTIES1_RESERVED_MASK_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_PROPERTIES1_RESERVED_SHIFT_V3
/* Values used for Thermostat Setpoint Capabilities Report_command */
                                                                                                                                                                                                                                                                                         0x0E
                                                                                                                                                                                                                                                                                         0x0F
                                                                                                                                                                                                                                                                                         0xF0
                                                                                                                                                                                                                                                                                         0x04
  #define THERMOSTAT SETPOINT CAPABILITIES REPORT PROPERTIES1 SETPOINT TYPE MASK V3
                                                                                                                                                                                                                                                                                         0x0F
 #define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_NOT_SUPPORTED_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_HEATING_1_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_COOLING_1_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_NOT_SUPPORTED1_V3
                                                                                                                                                                                                                                                                                         0x00
                                                                                                                                                                                                                                                                                         0x01
                                                                                                                                                                                                                                                                                         0 \times 0.2
                                                                                                                                                                                                                                                                                         0x03
 #define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_NOT_SUPPORTED2_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_NOT_SUPPORTED3_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_NOT_SUPPORTED4_V3
                                                                                                                                                                                                                                                                                         0x04
                                                                                                                                                                                                                                                                                         0x05
                                                                                                                                                                                                                                                                                         0x06
 #define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_FURNACE_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_DRY_AIR_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_MOIST_AIR_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_AUTO_CHANGEOVER_V3
                                                                                                                                                                                                                                                                                         0x07
                                                                                                                                                                                                                                                                                         0x08
                                                                                                                                                                                                                                                                                         0x09
                                                                                                                                                                                                                                                                                         0x0A
  define Thermostat_setpoint_capabilities_report_setpoint_type_energy_save_heating_v3#
                                                                                                                                                                                                                                                                                         0x0B
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_ENERGY_SAVE_REATING_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_ENERGY_SAVE_COOLING_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_AWAY_COOLING_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_FULL_POWER_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES1_RESERVED_MASK_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES1_RESERVED_SHIFT_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_SIZE1_MASK_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_SIZE1_MASK_V3
                                                                                                                                                                                                                                                                                         0x0C
                                                                                                                                                                                                                                                                                         0×0D
                                                                                                                                                                                                                                                                                         0x0E
                                                                                                                                                                                                                                                                                         0x0F
                                                                                                                                                                                                                                                                                         0xF0
                                                                                                                                                                                                                                                                                         0x04
                                                                                                                                                                                                                                                                                         0x07
 #define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_SCALE1_MASK_V3 #define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_SCALE1_SHIFT_V3
                                                                                                                                                                                                                                                                                         0x18
                                                                                                                                                                                                                                                                                         0x03
 #define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_PRECISION1_MASK_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_PRECISION1_SHIFT_V3
                                                                                                                                                                                                                                                                                         0xE0
                                                                                                                                                                                                                                                                                         0x05
 #define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_SIZE2_MASK_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_SCALE2_MASK_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_SCALE2_SHIFT_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_PRECISION2_MASK_V3
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_PRECISION2_SHIFT_V3
                                                                                                                                                                                                                                                                                         0x07
                                                                                                                                                                                                                                                                                         0 \times 18
                                                                                                                                                                                                                                                                                         0x03
                                                                                                                                                                                                                                                                                         0xE0
                                                                                                                                                                                                                                                                                         0x05
 /* Time Parameters command class commands */#define TIME_PARAMETERS_VERSION
                                                                                                                                                                                                                                                                                         0 \times 0.1
 #define TIME_PARAMETERS_GET
#define TIME_PARAMETERS_REPORT
                                                                                                                                                                                                                                                                                         0 \times 0.2
                                                                                                                                                                                                                                                                                         0x03
  #define TIME_PARAMETERS_SET
                                                                                                                                                                                                                                                                                         0x01
 /* Time command class commands */
#define TIME_VERSION
#define DATE_GET
                                                                                                                                                                                                                                                                                         0x01
                                                                                                                                                                                                                                                                                         0x03
  #define DATE REPORT
                                                                                                                                                                                                                                                                                         0x04
  #define TIME GET
                                                                                                                                                                                                                                                                                         0x01
 #define TIME_REPORT
                                                                                                                                                                                                                                                                                         0x02
 #define TIME_REPORT_HOUR_LOCAL_TIME_HOUR_LOCAL_TIME_MASK
#define TIME_REPORT_HOUR_LOCAL_TIME_RESERVED_MASK
#define TIME_REPORT_HOUR_LOCAL_TIME_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                         0×1F
                                                                                                                                                                                                                                                                                         0x60
                                                                                                                                                                                                                                                                                         0x05
  #define TIME_REPORT_HOUR_LOCAL_TIME_RTC_FAILURE_BIT_MASK
                                                                                                                                                                                                                                                                                         0x80
  /* Time command class commands */
 #define TIME_VERSION_V2
#define DATE_GET_V2
                                                                                                                                                                                                                                                                                         0x02
                                                                                                                                                                                                                                                                                         0x03
  #define DATE REPORT V2
                                                                                                                                                                                                                                                                                         0x04
  #define TIME_GET_V2
                                                                                                                                                                                                                                                                                         0x01
  #define TIME_OFFSET_GET_V2
                                                                                                                                                                                                                                                                                         0x06
 #define TIME_OFFSET_REPORT_V2
#define TIME_OFFSET_SET_V2
                                                                                                                                                                                                                                                                                         0 \times 0.7
                                                                                                                                                                                                                                                                                         0x05
 #define TIME REPORT V2
                                                                                                                                                                                                                                                                                         0x02
```

```
/* Values used for Time Offset Report command */
#define TIME_OFFSET_REPORT_LEVEL_HOUR_TZO_MASK_V2
#define TIME_OFFSET_REPORT_LEVEL_SIGN_TZO_BIT_MASK_V2
#define TIME_OFFSET_REPORT_LEVEL_SIGN_TZO_BIT_MASK_V2
#define TIME_OFFSET_REPORT_LEVEL_SIGN_OFFSET_DST_MASK_V2
/* Values used for Time Offset Set command */
#define TIME_OFFSET_SET_LEVEL_HOUR_TZO_MASK_V2
#define TIME_OFFSET_SET_LEVEL_SIGN_TZO_BIT_MASK_V2
#define TIME_OFFSET_SET_LEVEL_Z_MINUTE_OFFSET_DST_MASK_V2
#define TIME_OFFSET_SET_LEVEL_Z_SIGN_OFFSET_DST_MASK_V2
#define TIME_OFFSET_SET_LEVEL_Z_SIGN_OFFSET_DST_BIT_MASK_V2
/* Values used for Time Report command */
#define TIME_REPORT_HOUR_LOCAL_TIME_HOUR_LOCAL_TIME_MASK_V2
#define TIME_REPORT_HOUR_LOCAL_TIME_RESERVED_MASK_V2
#define TIME_REPORT_HOUR_LOCAL_TIME_RESERVED_SHIFT_V2
#define TIME_REPORT_HOUR_LOCAL_TIME_RTC_FAILURE_BIT_MASK_V2
    * Values used for Time Offset Report command *
                                                                                                                                                                                                                                                               0x7F
                                                                                                                                                                                                                                                               0x80
                                                                                                                                                                                                                                                               0 \times 7 F
                                                                                                                                                                                                                                                               0x80
                                                                                                                                                                                                                                                               0x7F
                                                                                                                                                                                                                                                               0x80
                                                                                                                                                                                                                                                               0x7F
                                                                                                                                                                                                                                                               0×80
                                                                                                                                                                                                                                                               0x1F
                                                                                                                                                                                                                                                               0x60
                                                                                                                                                                                                                                                               0x05
                                                                                                                                                                                                                                                               0x80
  /* Transport Service command class commands */
 #define TRANSPORT_SERVICE_VERSION_V2
                                                                                                                                                                                                                                                               0x02
  #define COMMAND_FIRST_SEGMENT_V2
                                                                                                                                                                                                                                                               0xC0
 #define COMMAND_SEGMENT_COMPLETE_V2
#define COMMAND_SEGMENT_REQUEST_V2
#define COMMAND_SEGMENT_WAIT_V2
#define COMMAND_SUBSEQUENT_SEGMENT_V2
/* Values used for Command First Segment command */
                                                                                                                                                                                                                                                               0xE8
                                                                                                                                                                                                                                                               0xC8
                                                                                                                                                                                                                                                               0xF0
                                                                                                                                                                                                                                                               0xE0
  #define COMMAND FIRST SEGMENT MASK V2
                                                                                                                                                                                                                                                               0xF8
 #define COMMAND_FIRST_SEGMENT_DATAGRAM_SIZE_1_MASK_V2
#define COMMAND_FIRST_SEGMENT_PROPERTIES2_RESERVED_MASK_V2
#define COMMAND_FIRST_SEGMENT_PROPERTIES2_EXT_BIT_MASK_V2
#define COMMAND_FIRST_SEGMENT_PROPERTIES2_SESSION_ID_MASK_V2
#define COMMAND_FIRST_SEGMENT_PROPERTIES2_SESSION_ID_SHIFT_V2
                                                                                                                                                                                                                                                               0x07
                                                                                                                                                                                                                                                               0x07
                                                                                                                                                                                                                                                               0×08
                                                                                                                                                                                                                                                               0xF0
                                                                                                                                                                                                                                                               0x04
  /* Values used for Command Segment Complete command */
 #define COMMAND_SEGMENT_COMPLETE_MASK_V2
                                                                                                                                                                                                                                                               0xF8
 #define COMMAND_SEGMENT_COMPLETE_RESERVED_MASK_V2
#define COMMAND_SEGMENT_COMPLETE_PROPERTIES2_RESERVED2_MASK_V2
#define COMMAND_SEGMENT_COMPLETE_PROPERTIES2_SESSION_ID_MASK_V2
#define COMMAND_SEGMENT_COMPLETE_PROPERTIES2_SESSION_ID_SHIFT_V2
                                                                                                                                                                                                                                                              0x07
0x0F
                                                                                                                                                                                                                                                               0xF0
                                                                                                                                                                                                                                                               0x04
  /* Values used for Command Segment Request command */
#define COMMAND_SEGMENT_REQUEST_MASK_V2
#define COMMAND_SEGMENT_REQUEST_RESERVED_MASK_V2
#define COMMAND_SEGMENT_REQUEST_RESERVED_MASK_V2
#define COMMAND_SEGMENT_REQUEST_PROPERTIES2_DATAGRAM_OFFSET_1_MASK_V2
#define COMMAND_SEGMENT_REQUEST_PROPERTIES2_RESERVED2_BIT_MASK_V2
#define COMMAND_SEGMENT_REQUEST_PROPERTIES2_SESSION_ID_MASK_V2
#define COMMAND_SEGMENT_REQUEST_PROPERTIES2_SESSION_ID_SHIFT_V2
#define COMMAND_SEGMENT_REQUEST_PROPERTIES2_SESSION_ID_SHIFT_V2
                                                                                                                                                                                                                                                               0xF8
                                                                                                                                                                                                                                                               0 \times 0.7
                                                                                                                                                                                                                                                               0x07
                                                                                                                                                                                                                                                               0x08
                                                                                                                                                                                                                                                               0x04
  ^{\prime *} Values used for Command Segment Wait command ^{*}/
 #define COMMAND_SEGMENT_WAIT_MASK_V2
#define COMMAND_SEGMENT_WAIT_RESERVED_MASK_V2
                                                                                                                                                                                                                                                               0xF8
                                                                                                                                                                                                                                                               0x07
  /* Values used for Command Subsequent Segment command */
/* Values used for Command Subsequent Segment command */
#define COMMAND_SUBSEQUENT_SEGMENT_MASK_V2
#define COMMAND_SUBSEQUENT_SEGMENT_DATAGRAM_SIZE_1_MASK_V2
#define COMMAND_SUBSEQUENT_SEGMENT_PROPERTIES2_DATAGRAM_OFFSET_1_MASK_V2
#define COMMAND_SUBSEQUENT_SEGMENT_PROPERTIES2_EXT_BIT_MASK_V2
#define COMMAND_SUBSEQUENT_SEGMENT_PROPERTIES2_SESSION_ID_MASK_V2
#define COMMAND_SUBSEQUENT_SEGMENT_PROPERTIES2_SESSION_ID_SHIFT_V2
                                                                                                                                                                                                                                                               0xF8
                                                                                                                                                                                                                                                               0x07
                                                                                                                                                                                                                                                               0 \times 0.7
                                                                                                                                                                                                                                                               0x08
                                                                                                                                                                                                                                                               0xF0
                                                                                                                                                                                                                                                               0x04
/* Transport Service command class commands */
#define TRANSPORT_SERVICE_VERSION
#define COMMAND_FIRST_FRAGMENT
#define COMMAND_SUBSEQUENT_FRAGMENT
                                                                                                                                                                                                                                                               0 \times 01
                                                                                                                                                                                                                                                               0xC0
                                                                                                                                                                                                                                                               0xE0
  /* Values used for Command First Fragment command */
/* Values used for Command First Fragment command */
#define COMMAND_FIRST_FRAGMENT_MASK
#define COMMAND_FIRST_FRAGMENT_DATAGRAM_SIZE_1_MASK
#define COMMAND_FIRST_FRAGMENT_PROPERTIES2_SEQUENCE_NO_MASK
#define COMMAND_FIRST_FRAGMENT_PROPERTIES2_RESERVED_MASK
#define COMMAND_FIRST_FRAGMENT_PROPERTIES2_RESERVED_SHIFT
/* Values used for Command Subsequent Fragment command */
                                                                                                                                                                                                                                                               0xF8
                                                                                                                                                                                                                                                               0 \times 0.7
                                                                                                                                                                                                                                                               0x0F
                                                                                                                                                                                                                                                               0xF0
                                                                                                                                                                                                                                                               0x04
  #define COMMAND_SUBSEQUENT_FRAGMENT_MASK
                                                                                                                                                                                                                                                               0xF8
 #define COMMAND_SUBSEQUENT_FRAGMENT_DATAGRAM_SIZE_1_MASK
#define COMMAND_SUBSEQUENT_FRAGMENT_DATAGRAM_SIZE_1_MASK
#define COMMAND_SUBSEQUENT_FRAGMENT_PROPERTIES2_DATAGRAM_OFFSET_1_MASK
#define COMMAND_SUBSEQUENT_FRAGMENT_PROPERTIES2_SEQUENCE_NO_MASK
#define COMMAND_SUBSEQUENT_FRAGMENT_PROPERTIES2_SEQUENCE_NO_SHIFT
                                                                                                                                                                                                                                                               0x07
                                                                                                                                                                                                                                                               0 \times 0.7
                                                                                                                                                                                                                                                               0x78
                                                                                                                                                                                                                                                               0x03
  #define COMMAND_SUBSEQUENT_FRAGMENT_PROPERTIES2_RESERVED_BIT_MASK
                                                                                                                                                                                                                                                               0x80
 /* User Code command class commands */
#define USER_CODE_VERSION
#define USER_CODE_GET
                                                                                                                                                                                                                                                               0x01
                                                                                                                                                                                                                                                               0x02
 #define USER_CODE_REPORT
#define USER_CODE_SET
                                                                                                                                                                                                                                                               0x03
                                                                                                                                                                                                                                                               0x01
 #define USERS_NUMBER_GET
                                                                                                                                                                                                                                                               0x04
 #define USERS_NUMBER_REPORT

/* Values used for User Code Report command */
                                                                                                                                                                                                                                                               0 \times 0.5
  #define USER CODE REPORT AVAILABLE NOT SET
                                                                                                                                                                                                                                                               0x00
```

```
#define USER CODE REPORT OCCUPIED
#define USER_CODE_REPORT_OCCUPIED
#define USER_CODE_REPORT_RESERVED_BY_ADMINISTRATOR
#define USER_CODE_REPORT_STATUS_NOT_AVAILABLE
/* Values used for User Code Set command */
#define USER_CODE_SET_AVAILABLE_NOT_SET
#define USER_CODE_SET_OCCUPIED
#define USER_CODE_SET_RESERVED_BY_ADMINISTRATOR
                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                0xFE
                                                                                                                                                                                                                                0x00
                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                0x02
 #define USER_CODE_SET_STATUS_NOT_AVAILABLE
                                                                                                                                                                                                                                0xFE
 /* Version command class commands */
/* Version command class commands */
#define VERSION_VERSION
#define VERSION_COMMAND_CLASS_GET
#define VERSION_COMMAND_CLASS_REPORT
#define VERSION_GET
                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                0x13
                                                                                                                                                                                                                                0x11
#define VERSION_REPORT
                                                                                                                                                                                                                                0x12
 /* Version command class commands */
#define VERSION_VERSION_V2
#define VERSION_COMMAND_CLASS_GET_V2
                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                0x13
#define VERSION_COMMAND_CLASS_REPORT_V2
#define VERSION_GET_V2
#define VERSION_REPORT_V2
                                                                                                                                                                                                                                0x14
                                                                                                                                                                                                                                0 \times 11
                                                                                                                                                                                                                                0x12
 /* Wake Up command class commands */
#define WAKE_UP_VERSION
#define WAKE_UP_INTERVAL_GET
#define WAKE_UP_INTERVAL_REPORT
#define WAKE_UP_INTERVAL_SET
#define WAKE_UP_NO_MORE_INFORMATION
                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                0x05
                                                                                                                                                                                                                                0x06
                                                                                                                                                                                                                                0 \times 0.4
                                                                                                                                                                                                                                0x08
 #define WAKE_UP_NOTIFICATION
                                                                                                                                                                                                                                0x07
 /* Wake Up command class commands */
#define WAKE_UP_INTERVAL_CAPABILITIES_REPORT_V2
#define WAKE_UP_INTERVAL_CAPABILITIES_REPORT_V2
#define WAKE_UP_INTERVAL_GET_V2
                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                0x09
                                                                                                                                                                                                                                0x0A
                                                                                                                                                                                                                                0x05
#define WAKE_UP_INTERVAL_REPORT_V2
#define WAKE_UP_INTERVAL_SET_V2
#define WAKE_UP_NO_MORE_INFORMATION_V2
                                                                                                                                                                                                                                0x06
                                                                                                                                                                                                                                0x04
                                                                                                                                                                                                                                0×08
#define WAKE_UP_NOTIFICATION_V2
                                                                                                                                                                                                                                0x07
 /* Zip 6lowpan command class commands */
#define ZIP_6LOWPAN_VERSION
#define LOWPAN_FIRST_FRAGMENT
                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                0 \times C0
#define LOWPAN_SUBSEQUENT_FRAGMENT
/* Values used for Lowpan First Fragment command */
                                                                                                                                                                                                                                0xE0
 #define LOWPAN FIRST FRAGMENT MASK
                                                                                                                                                                                                                                0xF8
 #define LOWPAN_FIRST_FRAGMENT_DATAGRAM_SIZE_1_MASK
                                                                                                                                                                                                                                0x07
/* Values used for Lowpan Subsequent Fragment command */#define LOWPAN_SUBSEQUENT_FRAGMENT_MASK#define LOWPAN_SUBSEQUENT_FRAGMENT_DATAGRAM_SIZE_1_MASK
                                                                                                                                                                                                                                0×F8
                                                                                                                                                                                                                                0x07
 /* Zip command class commands */
#define ZIP_VERSION
#define COMMAND_ZIP_PACKET

/* Values used for Command Zip Packet command */
#define COMMAND_ZIP_PACKET_PROPERTIES1_RESERVED1_MASK
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_OPTION_ERROR_BIT_MASK
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_QUEUE_FULL_BIT_MASK
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_WAITING_BIT_MASK
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_RESPONSE_BIT_MASK
#define COMMAND_ZIP_PACKET_PROPERTIES1_ACK_RESPONSE_BIT_MASK
#define COMMAND_ZIP_PACKET_PROPERTIES1_ACK_RESPONSE_BIT_MASK
#define COMMAND_ZIP_PACKET_PROPERTIES2_RESERVED2_MASK
#define COMMAND_ZIP_PACKET_PROPERTIES2_RESERVED2_MASK
#define COMMAND_ZIP_PACKET_PROPERTIES2_WAVE_CMD_INCLUDED_BIT_MASK
#define COMMAND_ZIP_PACKET_PROPERTIES2_Z_WAVE_CMD_INCLUDED_BIT_MASK
 #define ZIP_VERSION
                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                0 \times 0.3
                                                                                                                                                                                                                                0x04
                                                                                                                                                                                                                                0x08
                                                                                                                                                                                                                                0x10
                                                                                                                                                                                                                                0 \times 2.0
                                                                                                                                                                                                                                0x40
                                                                                                                                                                                                                                0x80
                                                                                                                                                                                                                                0x1F
                                                                                                                                                                                                                                0x20
#define COMMAND ZIP PACKET PROPERTIES2 Z WAVE CMD INCLUDED BIT MASK
#define COMMAND ZIP PACKET PROPERTIES2 HEADER EXT INCLUDED BIT MASK
#define COMMAND ZIP PACKET PROPERTIES3 SOURCE END POINT MASK
#define COMMAND ZIP PACKET PROPERTIES3 RESERVED3 BIT MASK
#define COMMAND ZIP PACKET PROPERTIES4 DESTINATION END POINT MASK
                                                                                                                                                                                                                                0x40
                                                                                                                                                                                                                                0x80
                                                                                                                                                                                                                                0 \times 7 F
                                                                                                                                                                                                                                0x80
                                                                                                                                                                                                                                0x7F
 #define COMMAND_ZIP_PACKET_PROPERTIES4_BIT_ADDRESS_BIT_MASK
                                                                                                                                                                                                                                0x80
/* Zip command class commands */
#define ZIP_VERSION_V2
#define COMMAND_ZIP_PACKET_V2
                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                0x02
 /* Values used for Command Zip Packet command */
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_QUEUE_FULL_BIT_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_QUEUE_FULL_BIT_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_QUEUE_FULL_BIT_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_WAITING_BIT_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_RESPONSE_BIT_MASK_V2
                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                0x04
                                                                                                                                                                                                                                0×08
                                                                                                                                                                                                                                0x10
                                                                                                                                                                                                                                0x20
```

```
#define COMMAND ZIP PACKET PROPERTIES1 ACK RESPONSE BIT MASK V2
                                                                                                                                                                                                                                                                                                           0x40
#define COMMAND_ZIP_PACKET_PROPERTIES1_ACK_RESPONSE_BIT_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES1_ACK_REQUEST_BIT_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES2_RESERVED2_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES2_SECURE_ORIGIN_BIT_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES2_MORE_INFORMATION_BIT_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES2_Z WAVE_CMD_INCLUDED_BIT_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES2_LEADER_EXT_INCLUDED_BIT_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES3_SOURCE_END_POINT_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES3_RESERVED3_BIT_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES3_RESERVED3_BIT_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES4_DESTINATION_END_POINT_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES4_DESTINATION_END_POINT_MASK_V2
#define COMMAND_ZIP_PACKET_PROPERTIES4_DESTINATION_END_POINT_MASK_V2
                                                                                                                                                                                                                                                                                                           0x80
                                                                                                                                                                                                                                                                                                           0x0F
                                                                                                                                                                                                                                                                                                           0x10
                                                                                                                                                                                                                                                                                                           0x20
                                                                                                                                                                                                                                                                                                           0x40
                                                                                                                                                                                                                                                                                                           0x80
                                                                                                                                                                                                                                                                                                           0x7F
                                                                                                                                                                                                                                                                                                           0x80
                                                                                                                                                                                                                                                                                                           0 \times 7 F
                                                                                                                                                                                                                                                                                                           0x80
  /* Zip command class commands */
 #define ZIP_VERSION_V3
                                                                                                                                                                                                                                                                                                           0x03
 #define COMMAND_ZIP_PACKET_V3

/* Values used for Command Zip Packet command */
#define COMMAND_ZIP_PACKET_PROPERTIES1_RESERVED1_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_OPTION_ERROR_BIT_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_QUEUE_FULL_BIT_MASK_V3
                                                                                                                                                                                                                                                                                                           0x02
                                                                                                                                                                                                                                                                                                           0x03
                                                                                                                                                                                                                                                                                                           0x04
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_QUEUE_FULL_BIT_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_WAITING_BIT_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_RESPONSE_BIT_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES1_ACK_RESPONSE_BIT_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES1_ACK_RESPONSE_BIT_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES2_RESERVED2_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES2_RESERVED2_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES2_MORE_INFORMATION_BIT_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES2_WAVE_CMD_INCLUDED_BIT_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES2_HEADER_EXT_INCLUDED_BIT_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES3_SOURCE_END_POINT_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES3_RESERVED3_BIT_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES3_RESERVED3_BIT_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES4_DESTINATION_END_POINT_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES4_DESTINATION_END_POINT_MASK_V3
#define COMMAND_ZIP_PACKET_PROPERTIES4_BIT_ADDRESS_BIT_MASK_V3
                                                                                                                                                                                                                                                                                                           0x08
                                                                                                                                                                                                                                                                                                           0x10
                                                                                                                                                                                                                                                                                                           0x20
                                                                                                                                                                                                                                                                                                           0x40
                                                                                                                                                                                                                                                                                                           0x80
                                                                                                                                                                                                                                                                                                           0x0F
                                                                                                                                                                                                                                                                                                           0x10
                                                                                                                                                                                                                                                                                                           0x20
                                                                                                                                                                                                                                                                                                           0x40
                                                                                                                                                                                                                                                                                                           0 \times 80
                                                                                                                                                                                                                                                                                                           0x7F
                                                                                                                                                                                                                                                                                                           0x80
                                                                                                                                                                                                                                                                                                           0x7F
                                                                                                                                                                                                                                                                                                           0x80
  /* Application Capability command class commands */
 #define APPLICATION_CAPABILITY_VERSION
#define COMMAND_COMMAND_CLASS_NOT_SUPPORTED
                                                                                                                                                                                                                                                                                                           0x01
                                                                                                                                                                                                                                                                                                           0x01
  /* Values used for Command Command Class Not Supported command */
 #define COMMAND_COMMAND_CLASS_NOT_SUPPORTED_PROPERTIES1_RESERVED_MASK #define COMMAND_COMMAND_CLASS_NOT_SUPPORTED_PROPERTIES1_DYNAMIC_BIT_MASK
                                                                                                                                                                                                                                                                                                           0x7F
                                                                                                                                                                                                                                                                                                           0×80
     * Switch Color command class commands */
 #define SWITCH_COLOR_VERSION
#define SWITCH_COLOR_SUPPORTED_GET
                                                                                                                                                                                                                                                                                                           0x01
                                                                                                                                                                                                                                                                                                           0x01
 #define SWITCH_COLOR_SUPPORTED_REPORT
                                                                                                                                                                                                                                                                                                           0x02
 #define SWITCH_COLOR_GET
#define SWITCH COLOR REPORT
                                                                                                                                                                                                                                                                                                           0 \times 0.3
                                                                                                                                                                                                                                                                                                           0x04
 #define SWITCH_COLOR_SET
#define SWITCH_COLOR_START_LEVEL_CHANGE
                                                                                                                                                                                                                                                                                                           0x05
                                                                                                                                                                                                                                                                                                           0x06
 #define SWITCH_COLOR_STOP_LEVEL_CHANGE
/* Values used for Switch Color Set command */
#define SWITCH_COLOR_SET_PROPERTIES1_COLOR_COMPONENT_COUNT_MASK
                                                                                                                                                                                                                                                                                                           0x07
                                                                                                                                                                                                                                                                                                           0x1F
 #define SWITCH_COLOR_SET_PROPERTIES1_RESERVED_MASK #define SWITCH_COLOR_SET_PROPERTIES1_RESERVED_SHIFT /* Values used for Switch Color Start Level Change command */
                                                                                                                                                                                                                                                                                                           0xE0
                                                                                                                                                                                                                                                                                                           0x05
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_RES1_MASK
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_IGNORE_START_STATE_BIT_MASK
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_BIT_MASK
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_RES2_BIT_MASK
                                                                                                                                                                                                                                                                                                           0x1F
                                                                                                                                                                                                                                                                                                           0 \times 2.0
                                                                                                                                                                                                                                                                                                           0 \times 40
                                                                                                                                                                                                                                                                                                           0x80
  /* Switch Color command class commands */
#define SWITCH_COLOR_VERSION_V2
#define SWITCH_COLOR_SUPPORTED_GET_V2
#define SWITCH_COLOR_SUPPORTED_REPORT_V2
#define SWITCH_COLOR_GET_V2
#define SWITCH_COLOR_REPORT_V2
                                                                                                                                                                                                                                                                                                           0 \times 0.2
                                                                                                                                                                                                                                                                                                           0x01
                                                                                                                                                                                                                                                                                                           0x02
                                                                                                                                                                                                                                                                                                           0x03
                                                                                                                                                                                                                                                                                                           0x04
 #define SWITCH_COLOR_SET_V2
                                                                                                                                                                                                                                                                                                           0x05
 #define SWITCH_COLOR_START_LEVEL_CHANGE_V2
#define SWITCH_COLOR_STOP_LEVEL_CHANGE_V2
/* Values used for Switch Color Set command */
                                                                                                                                                                                                                                                                                                           0x06
                                                                                                                                                                                                                                                                                                           0 \times 0.7
/* Values used for Switch Color Set command */
#define SWITCH_COLOR_SET_PROPERTIES1_COLOR_COMPONENT_COUNT_MASK_V2
#define SWITCH_COLOR_SET_PROPERTIES1_RESERVED_MASK_V2
#define SWITCH_COLOR_SET_PROPERTIES1_RESERVED_SHIFT_V2
/* Values used for Switch Color Start Level Change command */
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_RES1_MASK_V2
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_IGNORE_START_STATE_BIT_MASK_V2
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_BIT_MASK_V2
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_BIT_MASK_V2
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_RES2_BIT_MASK_V2
                                                                                                                                                                                                                                                                                                           0x1F
                                                                                                                                                                                                                                                                                                           0x05
                                                                                                                                                                                                                                                                                                           0x1F
                                                                                                                                                                                                                                                                                                           0x20
                                                                                                                                                                                                                                                                                                           0x40
                                                                                                                                                                                                                                                                                                           0x80
 /* Switch Color command class commands */
#define SWITCH_COLOR_VERSION_V3
#define SWITCH_COLOR_SUPPORTED_GET_V3
                                                                                                                                                                                                                                                                                                           0x03
                                                                                                                                                                                                                                                                                                           0x01
```

```
#define SWITCH COLOR SUPPORTED REPORT V3
                                                                                                                                                                                                                                                                                                          0x02
 #define SWITCH_COLOR_GET_V3
                                                                                                                                                                                                                                                                                                          0x03
 #define SWITCH COLOR REPORT V3
                                                                                                                                                                                                                                                                                                          0x04
#define SWITCH_COLOR_SET_V3
#define SWITCH_COLOR_SET_V3
#define SWITCH_COLOR_START_LEVEL_CHANGE_V3
#define SWITCH_COLOR_STOP_LEVEL_CHANGE_V3
/* Values used for Switch Color Report command */
#define SWITCH_COLOR_REPORT_ALREADY_AT_THE_TARGET_VALUE_V3
                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                          0x06
                                                                                                                                                                                                                                                                                                          0x07
                                                                                                                                                                                                                                                                                                          0x00
#define SWITCH_COLOR_REPORT_UNKNOWN_DURATION_V3
#define SWITCH_COLOR_REPORT_RESERVED_V3
                                                                                                                                                                                                                                                                                                          0xFE
                                                                                                                                                                                                                                                                                                          OxFF
  /* Values used for Switch Color Set command */
/* Values used for Switch Color Set command */
#define SWITCH_COLOR_SET_PROPERTIES1_COLOR_COMPONENT_COUNT_MASK_V3
#define SWITCH_COLOR_SET_PROPERTIES1_RESERVED_MASK_V3
#define SWITCH_COLOR_SET_PROPERTIES1_RESERVED_SHIFT_V3
#define SWITCH_COLOR_SET_INSTANTLY_V3
#define SWITCH_COLOR_SET_DEFAULT_V3
/* Values used for Switch Color Start Level Change command */
#define_SWITCH_COLOR_SET_DEFAULT_V3
                                                                                                                                                                                                                                                                                                          0x1F
                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                          0x00
                                                                                                                                                                                                                                                                                                          0xFF
/* Values used for Switch Color Start Level Change command */
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_RES1_MASK_V3
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_IGNORE_START_STATE_BIT_MASK_V3
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_BIT_MASK_V3
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_RES2_BIT_MASK_V3
#define SWITCH_COLOR_START_LEVEL_CHANGE_INSTANTLY_V3
#define SWITCH_COLOR_START_LEVEL_CHANGE_DEFAULT_V3
                                                                                                                                                                                                                                                                                                          0x1F
                                                                                                                                                                                                                                                                                                          0x20
                                                                                                                                                                                                                                                                                                          0x40
                                                                                                                                                                                                                                                                                                          0x80
                                                                                                                                                                                                                                                                                                          0x00
                                                                                                                                                                                                                                                                                                          0xFF
  /* Schedule command class commands */
#define SCHEDULE_VERSION
#define SCHEDULE_SUPPORTED_GET
#define SCHEDULE_SUPPORTED_REPORT
#define COMMAND_SCHEDULE_SET
                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                          0 \times 0.2
                                                                                                                                                                                                                                                                                                          0x03
#define COMMAND_SCHEDULE_GET
#define COMMAND_SCHEDULE_REPORT
#define SCHEDULE_REMOVE
                                                                                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                          0x06
#define SCHEDULE_STATE_SET
#define SCHEDULE_STATE_GET
#define SCHEDULE_STATE_REPORT
/* Values used for Schedule Supported Report command */
                                                                                                                                                                                                                                                                                                          0x07
                                                                                                                                                                                                                                                                                                          0x08
                                                                                                                                                                                                                                                                                                          0x09
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_START_TIME_SUPPORT_MASK
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_START_TIME_SUPPORT_BIT_MASK
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_SUPPORT_ENABLE_DISABLE_BIT_MASK
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES3_SUPPORTED_OVERRIDE_TYPES_MASK
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES3_OVERRIDE_SUPPORT_BIT_MASK
                                                                                                                                                                                                                                                                                                          0x3F
                                                                                                                                                                                                                                                                                                          0x40
                                                                                                                                                                                                                                                                                                          0×80
                                                                                                                                                                                                                                                                                                          0x7F
                                                                                                                                                                                                                                                                                                          0x80
  /* Values used for Command Schedule Set command */
#define COMMAND_SCHEDULE_SET_PROPERTIES1_START_MONTH_MASK
#define COMMAND_SCHEDULE_SET_PROPERTIES1_RESERVED1_MASK
                                                                                                                                                                                                                                                                                                          0x0F
                                                                                                                                                                                                                                                                                                          0xF0
 #define COMMAND_SCHEDULE SET_PROPERTIES1_RESERVED1_SHIFT
#define COMMAND_SCHEDULE_SET_PROPERTIES2_START_DAY_OF_MONTH_MASK
                                                                                                                                                                                                                                                                                                          0 \times 0.4
                                                                                                                                                                                                                                                                                                          0x1F
 #define COMMAND_SCHEDULE_SET_PROPERTIES2_RESERVED2_MASK
#define COMMAND_SCHEDULE_SET_PROPERTIES2_RESERVED2_SHIFT
                                                                                                                                                                                                                                                                                                          0xE0
                                                                                                                                                                                                                                                                                                          0x05
#define COMMAND_SCHEDULE_SET_PROPERTIES2_RESERVEDZ_SHIFT
#define COMMAND_SCHEDULE_SET_PROPERTIES3_START_WEEKDAY_MASK
#define COMMAND_SCHEDULE_SET_PROPERTIES3_RES_BIT_MASK
#define COMMAND_SCHEDULE_SET_PROPERTIES4_START_HOUR_MASK
#define COMMAND_SCHEDULE_SET_PROPERTIES4_DURATION_TYPE_MASK
#define COMMAND_SCHEDULE_SET_PROPERTIES5_START_MINUTE_MASK
#define COMMAND_SCHEDULE_SET_PROPERTIES5_RESERVED3_MASK
#define COMMAND_SCHEDULE_SET_PROPERTIES5_RESERVED3_SHIFT
/* Values_used_for_Command_Schedule_Report_command_*/
                                                                                                                                                                                                                                                                                                          0x7F
                                                                                                                                                                                                                                                                                                          0×80
                                                                                                                                                                                                                                                                                                          0x1F
                                                                                                                                                                                                                                                                                                          0xE0
                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                          0x3F
                                                                                                                                                                                                                                                                                                          0xC0
                                                                                                                                                                                                                                                                                                          0 \times 0.6
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_RESERVED3_SHIFT

/* Values used for Command Schedule Report command */
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_START_MONTH_MASK
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_ACTIVE_ID_MASK
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_ACTIVE_ID_SHIFT
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_START_DAY_OF_MONTH_MASK
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_RESERVED2_MASK
#define COMMAND_SCHEDULE_REPORT_PROPERTIES3_RESERVED2_SHIFT
#define COMMAND_SCHEDULE_REPORT_PROPERTIES3_RESERVED3_MASK
#define_COMMAND_SCHEDULE_REPORT_PROPERTIES3_RESERVED3_START_MASK
#define_COMMAND_SCHEDULE_REPORT_PROPERTIES3_RESERVED3_SHIFT
#define_COMMAND_SCHEDULE_REPORT_PROPERTIES3_RESERVED3_SHIFT
#define_COMMAND_SCHEDULE_REPORT_PROPERTIES3_RESERVED3_SHIFT
#define_COMMAND_SCHEDULE_REPORT_PROPERTIES3_RESERVED3_SHIFT
#define_COMMAND_SCHEDULE_REPORT_PROPERTIES3_RESERT_MASK
                                                                                                                                                                                                                                                                                                          0x0F
                                                                                                                                                                                                                                                                                                          0xF0
                                                                                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                                                                                          0×1F
                                                                                                                                                                                                                                                                                                          0xE0
                                                                                                                                                                                                                                                                                                          0 \times 05
                                                                                                                                                                                                                                                                                                          0x7F
                                                                                                                                                                                                                                                                                                          0x80
#define COMMAND_SCHEDULE REPORT PROPERTIES4_START_HOUR_MASK
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_DURATION_TYPE_MASK
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_DURATION_TYPE_SHIFT
#define COMMAND_SCHEDULE_REPORT_PROPERTIES5_START_MINUTE_MASK
#define COMMAND_SCHEDULE_REPORT_PROPERTIES5_RESERVED3_MASK
                                                                                                                                                                                                                                                                                                          0x1F
                                                                                                                                                                                                                                                                                                          0xE0
                                                                                                                                                                                                                                                                                                          0 \times 0.5
                                                                                                                                                                                                                                                                                                          0x3F
                                                                                                                                                                                                                                                                                                          0xC0
 #define COMMAND_SCHEDULE_REPORT_PROPERTIES5_RESERVED3_SHIFT
  /* Values used for Schedule State Report command */
#define SCHEDULE_STATE_REPORT_PROPERTIES1_OVERRIDE_BIT_MASK
#define SCHEDULE_STATE_REPORT_PROPERTIES1_REPORTS_TO_FOLLOW_MASK
#define SCHEDULE_STATE_REPORT_PROPERTIES1_REPORTS_TO_FOLLOW_SHIFT
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_1_MASK
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_2_MASK
                                                                                                                                                                                                                                                                                                         0x01
                                                                                                                                                                                                                                                                                                          0xFE
                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                          0x0F
                                                                                                                                                                                                                                                                                                          0xF0
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_2_SHIFT
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_3_MASK
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_N_MASK
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_N_SHIFT
                                                                                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                                                                                          0×0F
                                                                                                                                                                                                                                                                                                          0xF0
                                                                                                                                                                                                                                                                                                          0x04
```

```
/* Schedule command class commands */
#define SCHEDULE_VERSION_V2
#define SCHEDULE_SUPPORTED_GET_V2
#define SCHEDULE_SUPPORTED_REPORT_V2
                                                                                                                                                                                                                                                                                  0x02
                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                  0x02
#define COMMAND_SCHEDULE_SET_V2
#define COMMAND_SCHEDULE_GET_V2
#define COMMAND_SCHEDULE_REPORT_V2
                                                                                                                                                                                                                                                                                  0x03
                                                                                                                                                                                                                                                                                  0x04
                                                                                                                                                                                                                                                                                  0x05
#define SCHEDULE_REMOVE_V2
#define SCHEDULE_STATE_SET_V2
#define SCHEDULE_STATE_GET_V2
#define SCHEDULE_STATE_REPORT_V2
                                                                                                                                                                                                                                                                                  0x06
                                                                                                                                                                                                                                                                                  0 \times 0.7
                                                                                                                                                                                                                                                                                  0x08
                                                                                                                                                                                                                                                                                  0x09
   * Values used for Schedule Supported Report command */
/* Values used for Schedule Supported Report command */
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_START_TIME_SUPPORT_MASK_V2
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_FALLBACK_SUPPORT_BIT_MASK_V2
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_SUPPORT_ENABLE_DISABLE_BIT_MASK_V2
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES3_SUPPORTED_OVERRIDE_TYPES_MASK_V2
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES3_OVERRIDE_SUPPORT_BIT_MASK_V2
/* Values used for Command Schedule Set command */
#define_COMMAND_COURDUE_SUPPORTED_SUPPORT_BIT_MASK_V2
                                                                                                                                                                                                                                                                                  0x3F
                                                                                                                                                                                                                                                                                  0x40
                                                                                                                                                                                                                                                                                  0x80
                                                                                                                                                                                                                                                                                  0x7F
                                                                                                                                                                                                                                                                                  0x80
 #define COMMAND_SCHEDULE_SET_PROPERTIES1_START_MONTH_MASK_V2
                                                                                                                                                                                                                                                                                  0x0F
#define COMMAND_SCHEDULE_SET_PROPERTIES1_RESERVEDO_MASK_V2
#define COMMAND_SCHEDULE_SET_PROPERTIES1_RESERVEDO_SHIFT_V2
#define COMMAND_SCHEDULE_SET_PROPERTIES2_START_DAY_OF_MONTH_MASK_V2
#define COMMAND_SCHEDULE_SET_PROPERTIES2_RESERVED1_MASK_V2
#define COMMAND_SCHEDULE_SET_PROPERTIES2_RESERVED1_SHIFT_V2
                                                                                                                                                                                                                                                                                  0xF0
                                                                                                                                                                                                                                                                                  0x04
                                                                                                                                                                                                                                                                                  0x1F
                                                                                                                                                                                                                                                                                  0xE0
                                                                                                                                                                                                                                                                                  0x05
#define COMMAND_SCHEDULE_SET_PROPERTIES3_START_WEEKDAY_MASK_V2
#define COMMAND_SCHEDULE_SET_PROPERTIES3_RESERVED2_BIT_MASK_V2
#define COMMAND_SCHEDULE_SET_PROPERTIES4_START_HOUR_MASK_V2
#define COMMAND_SCHEDULE_SET_PROPERTIES4_DURATION_TYPE_MASK_V2
                                                                                                                                                                                                                                                                                  0x7F
                                                                                                                                                                                                                                                                                  0x80
                                                                                                                                                                                                                                                                                  0x1F
                                                                                                                                                                                                                                                                                  0xE0
#define COMMAND SCHEDULE SET_PROPERTIES4_DURATION_TYPE_SHIFT_V2
#define COMMAND_SCHEDULE_SET_PROPERTIES5_START_MINUTE_MASK_V2
#define COMMAND_SCHEDULE_SET_PROPERTIES5_RESERVED3_MASK_V2
                                                                                                                                                                                                                                                                                  0x05
                                                                                                                                                                                                                                                                                  0x3F
                                                                                                                                                                                                                                                                                  0xC0
#define COMMAND_SCHEDULE_SET_PROPERTIES5_RESERVED3_MASK_V2
/* Values used for Command Schedule Report command */
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_START_MONTH_MASK_V2
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_ACTIVE_ID_MASK_V2
                                                                                                                                                                                                                                                                                  0x06
                                                                                                                                                                                                                                                                                  0x0F
                                                                                                                                                                                                                                                                                  0xF0
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_ACTIVE_ID_MASK_V2
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_ACTIVE_ID_SHIFT_V2
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_START_DAY_OF_MONTH_MASK_V2
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_RESERVED0_MASK_V2
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_RESERVED0_SHIFT_V2
#define COMMAND_SCHEDULE_REPORT_RESERVED0_REPEAT_EVERY_N_HOURS_V2
#define COMMAND_SCHEDULE_REPORT_RESERVED0_REPEAT_EVERY_N_DAYS_V2
#define COMMAND_SCHEDULE_REPORT_PROPERTIES3_START_WEEKDAY_MASK_V2
#define_COMMAND_SCHEDULE_REPORT_PROPERTIES3_START_WEEKDAY_MASK_V2
#define_COMMAND_SCHEDULE_REPORT_PROPERTIES3_START_WEEKDAY_MASK_V2
                                                                                                                                                                                                                                                                                  0x04
                                                                                                                                                                                                                                                                                  0x1F
                                                                                                                                                                                                                                                                                  0xE0
                                                                                                                                                                                                                                                                                  0x05
                                                                                                                                                                                                                                                                                  0x00
                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                  0x02
                                                                                                                                                                                                                                                                                  0x7F
#define COMMAND_SCHEDULE_REPORT_PROPERTIESS_START_WEBENDAT_MASK_V2
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_START_HOUR_MASK_V2
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_DURATION_TYPE_MASK_V2
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_DURATION_TYPE_MASK_V2
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_DURATION_TYPE_SHIFT_V2
#define COMMAND_SCHEDULE_REPORT_PROPERTIES5_START_MINUTE_MASK_V2
#define COMMAND_SCHEDULE_REPORT_PROPERTIES5_RESERVED2_MASK_V2
#define COMMAND_SCHEDULE_REPORT_PROPERTIES5_RESERVED2_SHIFT_V2
                                                                                                                                                                                                                                                                                  0 \times 80
                                                                                                                                                                                                                                                                                  0x1F
                                                                                                                                                                                                                                                                                  0xE0
                                                                                                                                                                                                                                                                                  0x05
                                                                                                                                                                                                                                                                                  0x3F
                                                                                                                                                                                                                                                                                  0 \times C0
                                                                                                                                                                                                                                                                                  0x06
#define COMMAND_SCHEDULE_REPORT_PROPERTIESS_RESERVED2_SHIFT_V2

/* Values used for Schedule State Report command */
#define SCHEDULE_STATE_REPORT_PROPERTIES1_OVERRIDE_BIT_MASK_V2
#define SCHEDULE_STATE_REPORT_PROPERTIES1_REPORTS_TO_FOLLOW_MASK_V2
#define SCHEDULE_STATE_REPORT_PROPERTIES1_REPORTS_TO_FOLLOW_SHIFT_V2
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_I_MASK_V2
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_2_MASK_V2
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_2_SHIFT_V2
                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                  0xFE
                                                                                                                                                                                                                                                                                  0x01
                                                                                                                                                                                                                                                                                  0x0F
                                                                                                                                                                                                                                                                                  0 \times F0
                                                                                                                                                                                                                                                                                  0x04
 #define SCHEDULE STATE REPORT PROPERTIES3 ACTIVE ID 3 MASK V2 #define SCHEDULE STATE REPORT PROPERTIES3 ACTIVE ID N MASK V2
                                                                                                                                                                                                                                                                                  0x0F
                                                                                                                                                                                                                                                                                  0xF0
 #define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_N_SHIFT_V2
                                                                                                                                                                                                                                                                                  0 \times 0.4
 /* Schedule command class commands */
#define SCHEDULE_VERSION_V3
#define SCHEDULE_SUPPORTED_GET_V3
                                                                                                                                                                                                                                                                                  0x03
                                                                                                                                                                                                                                                                                  0x01
 #define SCHEDULE_SUPPORTED_REPORT_V3
                                                                                                                                                                                                                                                                                  0x02
#define COMMAND_SCHEDULE_SET_V3
#define COMMAND_SCHEDULE_GET_V3
#define COMMAND_SCHEDULE_REPORT_V3
                                                                                                                                                                                                                                                                                  0x03
                                                                                                                                                                                                                                                                                  0 \times 0.4
                                                                                                                                                                                                                                                                                  0x05
 #define SCHEDULE_REMOVE_V3
                                                                                                                                                                                                                                                                                  0x06
 #define SCHEDULE_STATE_SET_V3
#define SCHEDULE_STATE_GET_V3
                                                                                                                                                                                                                                                                                  0x07
                                                                                                                                                                                                                                                                                  0x08
 #define SCHEDULE_STATE_REPORT_V3
                                                                                                                                                                                                                                                                                  0x09
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_START_TIME_SUPPORT_MASK_V3
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_FALLBACK_SUPPORT_BIT_MASK_V3
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_SUPPORT_ENABLE_DISABLE_BIT_MASK_V3
                                                                                                                                                                                                                                                                                  0x3F
                                                                                                                                                                                                                                                                                  0x40
                                                                                                                                                                                                                                                                                  0x80
 #define SCHEDULE SUPPORTED REPORT PROPERTIES3 SUPPORTED OVERRIDE TYPES MASK V3 #define SCHEDULE SUPPORTED REPORT PROPERTIES3 OVERRIDE SUPPORT BIT MASK V3 /* Values used for Command Schedule Set command */
                                                                                                                                                                                                                                                                                  0x7F
                                                                                                                                                                                                                                                                                  0x80
 #define COMMAND SCHEDULE SET PROPERTIES1 START MONTH MASK V3
                                                                                                                                                                                                                                                                                  0x0F
```

```
#define COMMAND SCHEDULE SET PROPERTIES1 RECURRENCE OFFSET MASK V3
                                                                                                                                                                                                                                                                                              0xF0
#define COMMAND_SCHEDULE_SET_PROPERTIES1_RECURRENCE_OFFSET_MASK_V3
#define COMMAND_SCHEDULE_SET_PROPERTIES2_RECURRENCE_OFFSET_SHIFT_V3
#define COMMAND_SCHEDULE_SET_PROPERTIES2_START_DAY_OF_MONTH_MASK_V3
#define COMMAND_SCHEDULE_SET_PROPERTIES2_RECURRENCE_MODE_SHIFT_V3
#define COMMAND_SCHEDULE_SET_RECURRENCE_MODE_REPEAT_EVERY_N_HOURS_V3
#define COMMAND_SCHEDULE_SET_RECURRENCE_MODE_REPEAT_EVERY_N_DAYS_V3
#define COMMAND_SCHEDULE_SET_RECURRENCE_MODE_REPEAT_EVERY_N_WEEKS_V3
#define_COMMAND_SCHEDULE_SET_PROPERTIES2_RESERVED1_RIT_MASK_V3
                                                                                                                                                                                                                                                                                              0x04
                                                                                                                                                                                                                                                                                              0x1F
                                                                                                                                                                                                                                                                                              0x60
                                                                                                                                                                                                                                                                                              0 \times 05
                                                                                                                                                                                                                                                                                              0x00
                                                                                                                                                                                                                                                                                              0x01
                                                                                                                                                                                                                                                                                              0x02
#define COMMAND_SCHEDULE_SET_RECURRENCE_MODE_REFEAT_EVERY_N_WEE.
#define COMMAND_SCHEDULE_SET_PROPERTIES2_RESERVED1_BIT_MASK_V3
#define COMMAND_SCHEDULE_SET_PROPERTIES3_START_WEEKDAY_MASK_V3
#define COMMAND_SCHEDULE_SET_PROPERTIES3_RESERVED2_BIT_MASK_V3
#define COMMAND_SCHEDULE_SET_PROPERTIES4_START_HOUR_MASK_V3
#define COMMAND_SCHEDULE_SET_PROPERTIES4_DURATION_TYPE_MASK_V3
#define COMMAND_SCHEDULE_SET_PROPERTIES4_DURATION_TYPE_SHIFT_V3
                                                                                                                                                                                                                                                                                              0x80
                                                                                                                                                                                                                                                                                              0 \times 7 F
                                                                                                                                                                                                                                                                                              0x80
                                                                                                                                                                                                                                                                                              0x1F
                                                                                                                                                                                                                                                                                              0xE0
                                                                                                                                                                                                                                                                                              0x05
 #define COMMAND_SCHEDULE_SET_PROPERTIES5_START_MINUTE_MASK_V3
                                                                                                                                                                                                                                                                                              0x3F
 #define COMMAND_SCHEDULE_SET_PROPERTIESS_RELATIVE_BIT_MASK_V3
#define COMMAND_SCHEDULE_SET_PROPERTIESS_RESERVED3_BIT_MASK_V3
                                                                                                                                                                                                                                                                                              0x40
                                                                                                                                                                                                                                                                                              0x80
  /* Values used for Command Schedule Get command */
  #define COMMAND_SCHEDULE_GET_PROPERTIES1_RESERVED_MASK_V3
                                                                                                                                                                                                                                                                                              0x7F
 #define COMMAND_SCHEDULE_GET_PROPERTIES1_AID_RO_CTL_BIT_MASK_V3
                                                                                                                                                                                                                                                                                              0x80
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_AID_RO_CTI_BIT_MASK_V3

*/* Values used for Command Schedule Report command */
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_START_MONTH_MASK_V3

#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_AID_RO_MASK_V3

#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_AID_RO_SHIFT_V3

#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_START_DAY_OF_MONTH_MASK_V3

#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_RECURRENCE_MODE_MASK_V3

#define COMMAND_SCHEDULE_REPORT_RECURRENCE_MODE_REPEAT_EVERY_N_HOURS_V3

#define COMMAND_SCHEDULE_REPORT_RECURRENCE_MODE_REPEAT_EVERY_N_HOURS_V3

#define COMMAND_SCHEDULE_REPORT_RECURRENCE_MODE_REPEAT_EVERY_N_DAYS_V3
                                                                                                                                                                                                                                                                                              0x0F
                                                                                                                                                                                                                                                                                              0xF0
                                                                                                                                                                                                                                                                                              0x04
                                                                                                                                                                                                                                                                                              0x1F
                                                                                                                                                                                                                                                                                              0x60
                                                                                                                                                                                                                                                                                              0 \times 0.5
                                                                                                                                                                                                                                                                                              0 \times 00
                                                                                                                                                                                                                                                                                              0x01
#define COMMAND_SCHEDULE REPORT RECURRENCE MODE REPEAT_EVERY N_DAYS_V3
#define COMMAND_SCHEDULE REPORT_RECURRENCE_MODE_REPEAT_EVERY_N_WEEKS_V3
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_AID_RO_CTL_BIT_MASK_V3
#define COMMAND_SCHEDULE_REPORT_PROPERTIES3_START_WEEKDAY_MASK_V3
#define COMMAND_SCHEDULE_REPORT_PROPERTIES3_RESERVED1_BIT_MASK_V3
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_START_HOUR_MASK_V3
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_DURATION_TYPE_MASK_V3
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_DURATION_TYPE_SHIFT_V3
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_DURATION_TYPE_SHIFT_V3
                                                                                                                                                                                                                                                                                              0x02
                                                                                                                                                                                                                                                                                              0x80
                                                                                                                                                                                                                                                                                              0x7F
                                                                                                                                                                                                                                                                                              0x80
                                                                                                                                                                                                                                                                                              0x1F
                                                                                                                                                                                                                                                                                              0xE0
                                                                                                                                                                                                                                                                                              0x05
 #define COMMAND SCHEDULE REPORT PROPERTIESS START MINUTE MASK V3
#define COMMAND SCHEDULE REPORT PROPERTIESS RELATIVE BIT MASK V3
#define COMMAND SCHEDULE REPORT PROPERTIESS RESERVED2 BIT MASK V3
                                                                                                                                                                                                                                                                                              0x3F
                                                                                                                                                                                                                                                                                              0x40
#define COMMAND_SCHEDULE_REPORT_PROPERTIESS_RESERVED2_BIT_MASK_V3
/* Values used for Schedule State Report command */
#define SCHEDULE_STATE_REPORT_PROPERTIES1_OVERRIDE_BIT_MASK_V3
#define SCHEDULE_STATE_REPORT_PROPERTIES1_REPORTS_TO_FOLLOW_MASK_V3
#define SCHEDULE_STATE_REPORT_PROPERTIES1_REPORTS_TO_FOLLOW_SHIFT_V3
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_1_MASK_V3
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_2_MASK_V3
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_2_SHIFT_V3
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_3_MASK_V3
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_N_MASK_V3
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_N_MASK_V3
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_N_MASK_V3
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_N_MASK_V3
                                                                                                                                                                                                                                                                                              0x80
                                                                                                                                                                                                                                                                                              0x01
                                                                                                                                                                                                                                                                                              0xFE
                                                                                                                                                                                                                                                                                              0x01
                                                                                                                                                                                                                                                                                              0x0F
                                                                                                                                                                                                                                                                                              0xF0
                                                                                                                                                                                                                                                                                              0x04
                                                                                                                                                                                                                                                                                              0x0F
                                                                                                                                                                                                                                                                                              0xF0
 #define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_N_SHIFT_V3
                                                                                                                                                                                                                                                                                              0x04
 /* Network Management Primary command class commands */
#define NETWORK_MANAGEMENT_PRIMARY_VERSION
#define CONTROLLER_CHANGE
                                                                                                                                                                                                                                                                                              0x01
                                                                                                                                                                                                                                                                                              0x01
  #define CONTROLLER_CHANGE_STATUS
                                                                                                                                                                                                                                                                                              0x02
 /* Values used for Controller Change Status command */
#define CONTROLLER_CHANGE_STATUS_PROPERTIES1_CAPABILITY_MASK
                                                                                                                                                                                                                                                                                              0 \times 7 F
 #define CONTROLLER_CHANGE_STATUS_PROPERTIES1_LISTENING_BIT_MASK
#define CONTROLLER_CHANGE_STATUS_PROPERTIES2_SECURITY_MASK
                                                                                                                                                                                                                                                                                              0 \times 80
                                                                                                                                                                                                                                                                                              0x7F
  #define CONTROLLER_CHANGE_STATUS_PROPERTIES2_OPT_BIT_MASK
                                                                                                                                                                                                                                                                                              0x80
 /* Zip Nd command class commands */
#define ZIP_ND_VERSION
#define ZIP_NODE_SOLICITATION
#define ZIP_INV_NODE_SOLICITATION
#define ZIP_NODE_ADVERTISEMENT
                                                                                                                                                                                                                                                                                              0x01
                                                                                                                                                                                                                                                                                              0x03
                                                                                                                                                                                                                                                                                              0x04
                                                                                                                                                                                                                                                                                              0x01
  ^{\prime \star} Values used for Zip Inv Node Solicitation command ^{\star \prime}
 #define ZIP_INV_NODE_SOLICITATION_PROPERTIES1_RESERVED1_MASK
#define ZIP_INV_NODE_SOLICITATION_PROPERTIES1_LOCAL_BIT_MASK
#define ZIP_INV_NODE_SOLICITATION_PROPERTIES1_RESERVED2_MASK
#define ZIP_INV_NODE_SOLICITATION_PROPERTIES1_RESERVED2_SHIFT
                                                                                                                                                                                                                                                                                              0×03
                                                                                                                                                                                                                                                                                              0 \times 0.4
                                                                                                                                                                                                                                                                                              0xF8
                                                                                                                                                                                                                                                                                              0x03
  /* Values used for Zip Node Advertisement command */
/* Values used for ZIP Node Advertisement command */
#define ZIP_NODE_ADVERTISEMENT_PROPERTIES1_VALIDITY_MASK
#define ZIP_NODE_ADVERTISEMENT_VALIDITY_INFORMATION_OK
#define ZIP_NODE_ADVERTISEMENT_VALIDITY_INFORMATION_OBSOLETE
#define ZIP_NODE_ADVERTISEMENT_VALIDITY_INFORMATION_NOT_FOUND
#define ZIP_NODE_ADVERTISEMENT_PROPERTIES1_LOCAL_BIT_MASK
#define ZIP_NODE_ADVERTISEMENT_PROPERTIES1_RESERVED_MASK
#define_ZIP_NODE_ADVERTISEMENT_PROPERTIES1_RESERVED_MASK
                                                                                                                                                                                                                                                                                              0x03
                                                                                                                                                                                                                                                                                              0x00
                                                                                                                                                                                                                                                                                              0x01
                                                                                                                                                                                                                                                                                              0x02
                                                                                                                                                                                                                                                                                              0x04
                                                                                                                                                                                                                                                                                              0xF8
 #define ZIP_NODE_ADVERTISEMENT_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                              0x03
        Association Grp Info command class commands */
 #define ASSOCIATION_GRP_INFO_VERSION
                                                                                                                                                                                                                                                                                              0x01
```

```
#define ASSOCIATION GROUP NAME GET
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x01
     #define ASSOCIATION_GROUP_NAME_GET
#define ASSOCIATION_GROUP_NAME_REPORT
#define ASSOCIATION_GROUP_INFO_GET
#define ASSOCIATION_GROUP_INFO_REPORT
#define ASSOCIATION_GROUP_COMMAND_LIST_GET
#define ASSOCIATION_GROUP_COMMAND_LIST_REPORT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x04
define ASSOCIATION GROUP COMMAND LIST GET

define ASSOCIATION GROUP COMMAND LIST GET

define ASSOCIATION GROUP INFO GET PROPERTIES! RESERVED MASK

define ASSOCIATION GROUP INFO GET PROPERTIES! LIST MODE BIT MASK

define ASSOCIATION GROUP INFO GET PROPERTIES! LIST MODE BIT MASK

define ASSOCIATION GROUP INFO GET PROPERTIES! LIST MODE BIT MASK

define ASSOCIATION GROUP INFO GET PROPERTIES! LIST MODE BIT MASK

/* Values used for ASSOCIATION GROUP INFO REPORT PROPERTIES! GROUP COUNT MASK

define ASSOCIATION GROUP INFO REPORT PROPERTIES! GROUP COUNT MASK

define ASSOCIATION GROUP INFO REPORT PROPERTIES! GROUP COUNT MASK

define ASSOCIATION GROUP INFO REPORT PROPERTIES! DISTAMODE BIT MASK

define ASSOCIATION GROUP INFO REPORT PROPERTIES! LIST MODE BIT MASK

define ASSOCIATION GROUP INFO REPORT PROPILE GENERAL

define ASSOCIATION GROUP INFO REPORT PROPILE GENERAL NA

define ASSOCIATION GROUP INFO REPORT PROPILE CONTROL KEY00

define ASSOCIATION GROUP INFO REPORT PROPILE CONTROL KEY01

define ASSOCIATION GROUP INFO REPORT PROPILE CONTROL KEY02

define ASSOCIATION GROUP INFO REPORT PROPILE CONTROL KEY02

define ASSOCIATION GROUP INFO REPORT PROPILE CONTROL KEY02

define ASSOCIATION GROUP INFO REPORT PROPILE CONTROL KEY04

define ASSOCIATION GROUP INFO REPORT PROPILE CONTROL KEY06

define ASSOCIATION GROUP INFO REPORT PROPILE CONTROL KEY11

define ASSOCIATION GROUP INFO REPORT PROPILE CONTROL KEY19

define ASSOCIATION GROUP INFO REPORT PROPILE CONTROL KEY19

define ASSOCIATION GROUP INFO REPORT PROPILE CONTROL KEY19

define ASSOCIATION GROUP INFO REPORT PROPILE CONTRO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x06
       /* Values used for Association Group Info Get command */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x3F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0×80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x3F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 0.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0×08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x0A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x0B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x0C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x0D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x0E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x0F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x1A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x1B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x1C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x1D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 1 E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x1F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x20
     #define ASSOCIATION GROUP COMMAND LIST GET PROPERTIES1 RESERVED MASK #define ASSOCIATION_GROUP_COMMAND_LIST_GET_PROPERTIES1_ALLOW_CACHE_BIT_MASK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x7F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x80
    /* Association Grp Info command class commands */
#define ASSOCIATION_GROUP_INFO_VERSION_V2
#define ASSOCIATION_GROUP_NAME_GET_V2
#define ASSOCIATION_GROUP_INFO_GET_V2
#define ASSOCIATION_GROUP_INFO_GET_V2
#define ASSOCIATION_GROUP_INFO_REPORT_V2
#define ASSOCIATION_GROUP_COMMAND_LIST_GET_V2
#define ASSOCIATION_GROUP_COMMAND_LIST_GET_V2
#define ASSOCIATION_GROUP_COMMAND_LIST_REPORT_V2
/* Values_used_for_Association_Group_Info_Get_command_*/
#define_ASSOCIATION_GROUP_INFO_GET_PROPERTIESS_RESERVED_N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 0.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x06
     #define ASSOCIATION GROUP_INFO_GET_PROPERTIES1_RESERVED_MASK_V2
#define ASSOCIATION_GROUP_INFO_GET_PROPERTIES1_LIST_MODE_BIT_MASK_V2
#define ASSOCIATION_GROUP_INFO_GET_PROPERTIES1_REFRESH_CACHE_BIT_MASK_V2
/* Values used for Association Group Info Report command */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x3F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 80
    /* Values used for Association Group Info Report command */
#define ASSOCIATION GROUP_INFO_REPORT_PROPERTIES1_GROUP_COUNT_MASK_V2
#define ASSOCIATION_GROUP_INFO_REPORT_PROPERTIES1_DYNAMIC_INFO_BIT_MASK_V2
#define ASSOCIATION_GROUP_INFO_REPORT_PROPERTIES1_LIST_MODE_BIT_MASK_V2
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_GENERAL_V2
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_V2
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_SENSOR_V2
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_NOTIFICATION_V2
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_METER_V2
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_GENERAL_NA_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x3F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x32
     #define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_GENERAL_NA_V2
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_GENERAL_LIFELINE_V2
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY01_V2
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY02_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x01
```

```
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY04 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY04 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY05 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY06 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY07 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY07 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY08 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY09 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY10 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY10 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY11 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY11 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY11 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY12 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY12 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY14 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY15 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY16 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY16 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY16 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY16 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY16 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY10 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY21 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY21 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY22 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY22 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY22 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY22 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY22 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY22 V2
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY23 V2
#define ASSOCIATION GROUP INFO
     #define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY03 V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x06
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x07
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x0A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 1 E
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x02
     #define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_METER_TYPE_WATER_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x03
    /* Values used for Association Group Command List Get command */
#define ASSOCIATION_GROUP_COMMAND_LIST_GET_PROPERTIES1_RESERVED_MASK_V2
#define ASSOCIATION_GROUP_COMMAND_LIST_GET_PROPERTIES1_ALLOW_CACHE_BIT_MASK_V2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 7 F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x80
    /* Association Grp Info command class commands */#define ASSOCIATION_GRP_INFO_VERSION_V3#define ASSOCIATION_GROUP_NAME_GET_V3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x01
    #define ASSOCIATION_GROUP_NAME_REPORT_V3
#define ASSOCIATION_GROUP_INFO_GET_V3
#define ASSOCIATION_GROUP_INFO_REPORT_V3
#define ASSOCIATION_GROUP_COMMAND_LIST_GET_V3
#define ASSOCIATION_GROUP_COMMAND_LIST_REPORT_V3
#define ASSOCIATION_GROUP_COMMAND_LIST_REPORT_V3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 0.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x06
    #define ASSOCIATION_GROUP_COMMAND_HIST_REPORT_VS

/* Values used for Association Group Info Get command */
#define ASSOCIATION_GROUP_INFO_GET_PROPERTIES1_RESERVED_MASK_V3
#define ASSOCIATION_GROUP_INFO_GET_PROPERTIES1_LIST_MODE_BIT_MASK_V3
#define ASSOCIATION_GROUP_INFO_GET_PROPERTIES1_REFRESH_CACHE_BIT_MASK_V3
/* Values used for Association Group Info Report command */
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x3F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x40
#define ASSOCIATION GROUP INFO GET PROPERTIES1 REFRESH CACHE BIT MASK V3

/* Values used for Association Group Info Report command */

#define ASSOCIATION GROUP INFO REPORT PROPERTIES1 GROUP COUNT MASK V3

#define ASSOCIATION GROUP INFO REPORT PROPERTIES1 DYNAMIC INFO BIT MASK V3

#define ASSOCIATION GROUP INFO REPORT PROPERTIES1 LIST MODE BIT MASK V3

#define ASSOCIATION GROUP INFO REPORT PROPERTIES1 LIST MODE BIT MASK V3

#define ASSOCIATION GROUP INFO REPORT PROFILE GENERAL V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL V3

#define ASSOCIATION GROUP INFO REPORT PROFILE SENSOR V3

#define ASSOCIATION GROUP INFO REPORT PROFILE NOTIFICATION V3

#define ASSOCIATION GROUP INFO REPORT PROFILE INFORMATION V3

#define ASSOCIATION GROUP INFO REPORT PROFILE GENERAL NA V3

#define ASSOCIATION GROUP INFO REPORT PROFILE GENERAL LIFELINE V3

#define ASSOCIATION GROUP INFO REPORT PROFILE GENERAL LIFELINE V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY01 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY02 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY02 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY04 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY04 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY04 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY06 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY06 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY06 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY09 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY09 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY09 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY10 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY10 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY11 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY11 V3

#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY11 V3

#define ASSOCIATION GROUP INFO REPORT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x80
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x6B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x00
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x0C
    #define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY13_V3
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY14_V3
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY15_V3
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY16_V3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x0D
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0 \times 0 E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x0F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x10
```

```
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY17 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY17 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY19 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY19 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY19 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY21 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY21 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY22 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY23 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY23 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY23 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY23 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY23 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY25 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY25 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY25 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY25 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY25 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY25 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY25 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY25 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY25 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE CONTROL KEY25 V3
#define ASSOCIATION GROUP INFO REPORT PROFILE MULTILEVEL SENSOR TYPE HUMIDITY_V3
#define ASSOCIATION GROUP INFO REPORT PROFILE MULTILEVEL SENSOR TYPE HUMIDITY_V3
#define ASSOCIATION GROUP INFO REPORT PROFILE MULTILEVEL SENSOR TYPE HUMIDITY_V3
#define ASSOCIATION GROUP INFO REPORT PROFILE MUTTILEVEL SENSOR TYPE HUMIDITY_V3
#define ASSOCIATION GROUP INFO REPORT FROFILE MUTTILEVEL SENSOR TYPE HUMIDITY_V3
#define ASSOCIATION GROUP INFO REPORT FROFILE MUTTILEVEL SENSOR TYPE HUMIDITY_V3
#define ASSOCIATION GROUP INFO REPORT FROFILE MUTTILEVEL SENSOR TYPE HUMIDITY_V3
#define ASSOCIATION GROUP INFO
                                                                                                                                                                                                                                                                                                                                0x11
                                                                                                                                                                                                                                                                                                                                0x12
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                                                                                                                                                                                                                                                                                                                                0x14
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                                                                                                                                                                                                                                                                                                                                0x05
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                                                                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                                                                0x03
                                                                                                                                                                                                                                                                                                                                0 \times 0.4
                                                                                                                                                                                                                                                                                                                                0 \times 0.5
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                                                                                                                                                                                                                                                                                                                                0x14
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                                                                                                                                                                                                                                                                                                                                0x17
                                                                                                                                                                                                                                                                                                                                0x18
                                                                                                                                                                                                                                                                                                                                0x19
                                                                                                                                                                                                                                                                                                                                0x1A
                                                                                                                                                                                                                                                                                                                                0 \times 1 B
                                                                                                                                                                                                                                                                                                                                0x1C
                                                                                                                                                                                                                                                                                                                                0x1D
                                                                                                                                                                                                                                                                                                                                0x1E
                                                                                                                                                                                                                                                                                                                                0x1F
                                                                                                                                                                                                                                                                                                                                0x20
                                                                                                                                                                                                                                                                                                                                0×7F
                                                                                                                                                                                                                                                                                                                                0x80
     /\star Device Reset Locally command class commands \star/
    #define DEVICE_RESET_LOCALLY_VERSION
                                                                                                                                                                                                                                                                                                                                0 \times 0.1
    #define DEVICE_RESET_LOCALLY_NOTIFICATION
                                                                                                                                                                                                                                                                                                                                0x01
     /* Central Scene command class commands */
    #define CENTRAL SCENE VERSION
                                                                                                                                                                                                                                                                                                                                0x01
     #define CENTRAL_SCENE_SUPPORTED_GET
                                                                                                                                                                                                                                                                                                                                0x01
   #define CENTRAL SCENE SUPPORTED REPORT #define CENTRAL SCENE NOTIFICATION
                                                                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                                                                0 \times 0.3
       * Values used for Central Scene Notification command */
   #define CENTRAL SCENE NOTIFICATION PROPERTIES1 KEY ATTRIBUTES MASK #define CENTRAL SCENE NOTIFICATION PROPERTIES1 RESERVED MASK #define CENTRAL SCENE NOTIFICATION PROPERTIES1 RESERVED SHIFT
                                                                                                                                                                                                                                                                                                                                0x07
                                                                                                                                                                                                                                                                                                                                0xF8
                                                                                                                                                                                                                                                                                                                                0x03
     /* Central Scene command class commands */
   #define CENTRAL_SCENE_VERSION_V2
#define CENTRAL_SCENE_SUPPORTED_GET_V2
#define CENTRAL_SCENE_SUPPORTED_REPORT_V2
                                                                                                                                                                                                                                                                                                                                0x02
                                                                                                                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                                                                                                                0x02
    #define CENTRAL_SCENE_NOTIFICATION_V2
                                                                                                                                                                                                                                                                                                                                0x03
   /* Values used for Central Scene Supported Report command */
#define CENTRAL_SCENE_SUPPORTED_REPORT_PROPERTIES1_IDENTICAL_BIT_MASK_V2
#define CENTRAL_SCENE_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASK_BYTES_MASK_V2
                                                                                                                                                                                                                                                                                                                                0x01
                                                                                                                                                                                                                                                                                                                                0x06
```

```
#define CENTRAL SCENE SUPPORTED REPORT PROPERTIES1 NUMBER OF BIT MASK BYTES SHIFT V2
                                                                                                                                                                                            0x01
#define CENTRAL SCENE SUPPORTED REPORT PROPERTIES1 RESERVED MASK V2 #define CENTRAL SCENE_SUPPORTED REPORT PROPERTIES1 RESERVED SHIFT V2
                                                                                                                                                                                            0xF8
                                                                                                                                                                                            0x03
/* Values used for Central Scene Notification command */
#define CENTRAL_SCENE_NOTIFICATION_PROPERTIES1_KEY_ATTRIBUTES_MASK_V2
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_1_TIME_V2
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_RELEASED_V2
                                                                                                                                                                                            0x07
                                                                                                                                                                                            0x00
                                                                                                                                                                                            0x01
 #define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_HELD_DOWN_V2
                                                                                                                                                                                            0x02
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_HELD_DOWN_V2
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_2_TIMES_V2
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_3_TIMES_V2
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_4_TIMES_V2
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_5_TIMES_V2
#define CENTRAL_SCENE_NOTIFICATION_PROPERTIES1_RESERVED_MASK_V2
#define CENTRAL_SCENE_NOTIFICATION_PROPERTIES1_RESERVED_SHIFT_V2
                                                                                                                                                                                            0x03
                                                                                                                                                                                            0 \times 0.4
                                                                                                                                                                                            0x05
                                                                                                                                                                                            0x06
                                                                                                                                                                                            0xF8
                                                                                                                                                                                            0x03
/* Central Scene command class commands */
#define CENTRAL_SCENE_VERSION_V3
#define CENTRAL_SCENE_SUPPORTED_GET_V3
#define CENTRAL_SCENE_SUPPORTED_REPORT_V3
                                                                                                                                                                                            0x03
                                                                                                                                                                                            0x01
                                                                                                                                                                                            0x02
 #define CENTRAL_SCENE_NOTIFICATION_V3
                                                                                                                                                                                            0x03
#define CENTRAL_SCENE_CONFIGURATION_SET_V3
#define CENTRAL_SCENE_CONFIGURATION_GET_V3
#define CENTRAL_SCENE_CONFIGURATION_REPORT_V3
/* Values used for Central Scene Supported Report command */
                                                                                                                                                                                            0 \times 0.4
                                                                                                                                                                                            0 \times 05
                                                                                                                                                                                            0x06
 #define CENTRAL SCENE SUPPORTED REPORT PROPERTIES1 IDENTICAL BIT MASK V3
                                                                                                                                                                                            0x01
#define CENTRAL SCENE SUPPORTED REPORT PROPERTIES1 NUMBER OF BIT MASK BYTES MASK V3
#define CENTRAL SCENE SUPPORTED REPORT PROPERTIES1 NUMBER OF BIT MASK BYTES SHIFT V3
#define CENTRAL SCENE SUPPORTED REPORT PROPERTIES1 RESERVED MASK V3
#define CENTRAL SCENE SUPPORTED REPORT PROPERTIES1 RESERVED SHIFT V3
                                                                                                                                                                                            0x06
                                                                                                                                                                                            0x01
                                                                                                                                                                                            0 \times 78
                                                                                                                                                                                            0x03
#define CENTRAL_SCENE_SUPPORTED_REPORT_PROPERTIES1_SLOW_REFRESH_SUPPORT_BIT_MASK_V3
/* Values used for Central Scene Notification command */
                                                                                                                                                                                            0x80
 #define CENTRAL_SCENE_NOTIFICATION_PROPERTIES1_KEY_ATTRIBUTES_MASK_V3
                                                                                                                                                                                            0x07
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_1_TIME_V3
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_RELEASED_V3
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_HELD_DOWN_V3
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_2_TIMES_V3
                                                                                                                                                                                            0x00
                                                                                                                                                                                            0x01
                                                                                                                                                                                            0x02
                                                                                                                                                                                            0x03
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_3_TIMES_V3
                                                                                                                                                                                            0x04
#define CENTRAL SCENE NOTIFICATION KEY ATTRIBUTES KEY PRESSED 4 TIMES V3
#define CENTRAL SCENE NOTIFICATION KEY ATTRIBUTES KEY PRESSED 5 TIMES V3
#define CENTRAL SCENE NOTIFICATION PROPERTIES1 RESERVED MASK V3
#define CENTRAL SCENE NOTIFICATION PROPERTIES1 RESERVED SHIFT V3
                                                                                                                                                                                            0x05
                                                                                                                                                                                            0×06
                                                                                                                                                                                            0x78
                                                                                                                                                                                            0x03
#define CENTRAL_SCENE_NOTIFICATION_PROPERTIESI_SLOW_REFRESH_BIT_MASK_V3 /* Values used for Central Scene Configuration Set command */
#define CENTRAL_SCENE_CONFIGURATION_SET_PROPERTIES1_RESERVED_MASK_V3
                                                                                                                                                                                            0×7F
#define CENTRAL SCENE CONFIGURATION SET PROPERTIES LABORATED MASK V3
/* Values used for Central Scene Configuration Report command */
                                                                                                                                                                                            0x80
#define CENTRAL_SCENE_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_MASK_V3
#define CENTRAL_SCENE_CONFIGURATION_REPORT_PROPERTIES1_SLOW_REFRESH_BIT_MASK_V3
                                                                                                                                                                                            0x7F
/* Ip Association command class commands */
#define IP_ASSOCIATION_VERSION
                                                                                                                                                                                            0x01
#define IP_ASSOCIATION_SET
#define IP_ASSOCIATION_GET
#define IP_ASSOCIATION_REPORT
                                                                                                                                                                                            0x01
                                                                                                                                                                                            0x02
                                                                                                                                                                                            0x03
#define IP_ASSOCIATION_REMOVE
                                                                                                                                                                                            0x04
 /* Antitheft command class commands */
#define ANTITHEFT_VERSION
#define ANTITHEFT_SET
#define ANTITHEFT_GET
                                                                                                                                                                                            0x01
                                                                                                                                                                                            0x01
                                                                                                                                                                                            0x02
#define ANTITHEFT_REPORT
                                                                                                                                                                                            0 \times 0.3
/* Values used for Antitheft Set command */
#define ANTITHEFT_SET_PROPERTIES1_NUMBER_OF_MAGIC_CODE_BYTES_MASK
#define ANTITHEFT_SET_PROPERTIES1_ENABLE_BIT_MASK
                                                                                                                                                                                            0x7F
                                                                                                                                                                                            0x80
 /* Antitheft command class commands */
#define ANTITHEFT_VERSION_V2
#define ANTITHEFT_SET_V2
#define ANTITHEFT_GET_V2
#define ANTITHEFT_REPORT_V2
                                                                                                                                                                                            0 \times 02
                                                                                                                                                                                            0 \times 01
                                                                                                                                                                                            0x02
                                                                                                                                                                                            0x03
 /* Values used for Antitheft Set command */
#define ANTITHEFT_SET_PROPERTIES1_NUMBER_OF_MAGIC_CODE_BYTES_MASK_V2 #define ANTITHEFT_SET_PROPERTIES1_ENABLE_BIT_MASK_V2
                                                                                                                                                                                            0x7F
                                                                                                                                                                                            0x80
/* Zwaveplus Info command class commands */#define ZWAVEPLUS_INFO_VERSION #define ZWAVEPLUS_INFO_GET
                                                                                                                                                                                            0x01
                                                                                                                                                                                            0x01
 #define ZWAVEPLUS_INFO_REPORT
                                                                                                                                                                                            0x02
/* Values used for Zwaveplus Info Report command */
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_CONTROLLER_CENTRAL_STATIC
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_CONTROLLER_SUB_STATIC
                                                                                                                                                                                            0x00
                                                                                                                                                                                            0x01
```

```
#define ZWAVEPLUS INFO REPORT ROLE TYPE CONTROLLER PORTABLE
                                                                                                                                                                                                                 0x02
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_CONTROLLER_PORTABLE
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_CONTROLLER_PORTABLE_REPORTING
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_PORTABLE
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_ALWAYS_ON
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_SLEEPING_REPORTING
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_SLEEPING_LISTENING
#define ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_NODE
                                                                                                                                                                                                                 0x03
                                                                                                                                                                                                                 0x04
                                                                                                                                                                                                                 0x05
                                                                                                                                                                                                                 0x06
                                                                                                                                                                                                                 0x07
                                                                                                                                                                                                                 0x00
#define ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_FOR_IP_ROUTER
#define ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_FOR_IP_GATEWAY
#define ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_FOR_IP_CLIENT_IP_NODE
#define ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_FOR_IP_CLIENT_ZWAVE_NODE
                                                                                                                                                                                                                 0x01
                                                                                                                                                                                                                 0x02
                                                                                                                                                                                                                 0 \times 03
                                                                                                                                                                                                                 0x04
 /* Zwaveplus Info command class commands */
/* Zwaveplus Info Command Class Commands */
#define ZWAVEPLUS_INFO_VERSION_V2
#define ZWAVEPLUS_INFO_REPORT_V2
/* Values used for Zwaveplus Info Report command */
                                                                                                                                                                                                                 0x02
                                                                                                                                                                                                                 0x01
                                                                                                                                                                                                                 0 \times 0.2
#define ZWAVEPLUS INFO REFORT ROLE TYPE CONTROLLER CENTRAL STATIC_V2
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_CONTROLLER_SUB_STATIC_V2
                                                                                                                                                                                                                 0x00
                                                                                                                                                                                                                 0x01
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_CONTROLLER_PORTABLE_V2
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_CONTROLLER_PORTABLE_REPORTING_V2
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_PORTABLE_V2
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_ALWAYS_ON_V2
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_SLEEPING_REPORTING_V2
                                                                                                                                                                                                                 0x02
                                                                                                                                                                                                                 0x03
                                                                                                                                                                                                                 0x04
                                                                                                                                                                                                                 0x05
                                                                                                                                                                                                                 0x06
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_SLEEPING_LISTENING_V2
#define ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_NODE_V2
#define ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_FOR_IP_GATEWAY_V2
                                                                                                                                                                                                                 0x07
                                                                                                                                                                                                                 0x00
                                                                                                                                                                                                                 0x02
 /* Zip Gateway command class commands */
#define ZIP_GATEWAY_VERSION
                                                                                                                                                                                                                 0x01
 #define GATEWAY_MODE_SET
                                                                                                                                                                                                                 0x01
#define GATEWAY_MODE_GET
                                                                                                                                                                                                                 0x02
#define GATEWAY_MODE_REPORT
#define GATEWAY_PEER_SET
#define GATEWAY_PEER_GET
#define GATEWAY_PEER_REPORT
                                                                                                                                                                                                                 0x03
                                                                                                                                                                                                                 0x04
                                                                                                                                                                                                                 0x05
                                                                                                                                                                                                                 0x06
#define GATEWAY_LOCK_SET
                                                                                                                                                                                                                 0x07
#define UNSOLICITED DESTINATION SET
#define UNSOLICITED DESTINATION GET
#define UNSOLICITED DESTINATION REPORT
#define COMMAND APPLICATION NODE INFO SET
                                                                                                                                                                                                                 0x08
                                                                                                                                                                                                                 0×09
                                                                                                                                                                                                                 0x0A
                                                                                                                                                                                                                 0x0B
#define COMMAND_APPLICATION_NODE_INFO_GET
#define COMMAND_APPLICATION_NODE_INFO_REPORT
                                                                                                                                                                                                                 0x0C
                                                                                                                                                                                                                 0x0D
 /* Values used for Gateway Mode Set command */
#define GATEWAY MODE SET STAND ALONE #define GATEWAY MODE SET PORTAL
                                                                                                                                                                                                                 0 \times 01
                                                                                                                                                                                                                 0x02
 /* Values used for Gateway Mode Report command */
/* Values used for Gateway Mode Report command */
#define GATEWAY_MODE_REPORT_STAND_ALONE
#define GATEWAY_MODE_REPORT_PORTAL
/* Values used for Gateway Peer Set command */
#define GATEWAY_PEER_SET_PROPERTIES1_PEER_NAME_LENGTH_MASK
#define GATEWAY_PEER_SET_PROPERTIES1_RESERVED_MASK
#define GATEWAY_PEER_SET_PROPERTIES1_RESERVED_SHIFT
/* Values used for Gateway Mode Report command */
                                                                                                                                                                                                                 0x01
                                                                                                                                                                                                                 0x02
                                                                                                                                                                                                                 0x3F
                                                                                                                                                                                                                 0xC0
                                                                                                                                                                                                                 0x06
#define GATEWAY_PEER_REPORT_PROPERTIEST_RESERVED_SHIFT

/* Values used for Gateway Peer Report command */

#define GATEWAY_PEER_REPORT_PROPERTIEST_RESERVED_MASK

#define GATEWAY_PEER_REPORT_PROPERTIEST_RESERVED_SHIFT

/* Values used for Gateway Lock Set command */
                                                                                                                                                                                                                 0x3F
                                                                                                                                                                                                                 0xc0
                                                                                                                                                                                                                 0 \times 0.6
#define GATEWAY_LOCK_SET_PROPERTIES1_LOCK_BIT_MASK
#define GATEWAY_LOCK_SET_PROPERTIES1_SHOW_BIT_MASK
#define GATEWAY_LOCK_SET_PROPERTIES1_RESERVED_MASK
#define GATEWAY_LOCK_SET_PROPERTIES1_RESERVED_SHIFT
/* Values used for Command Application Node Info Set command */
                                                                                                                                                                                                                 0x01
                                                                                                                                                                                                                 0x02
                                                                                                                                                                                                                 0×FC
                                                                                                                                                                                                                 0x02
 #define COMMAND APPLICATION NODE INFO SET SECURITY SCHEME 0 MARK
                                                                                                                                                                                                                 0xF100
  * Values used for Command Application Node Info Report command */
#define COMMAND_APPLICATION_NODE_INFO_REPORT_SECURITY_SCHEME_0_MARK
                                                                                                                                                                                                                 0xF100
/* Zip Portal command class commands */
#define ZIP_PORTAL_VERSION
                                                                                                                                                                                                                 0x01
#define GATEWAY_CONFIGURATION_SET
#define GATEWAY_CONFIGURATION_STATUS
#define GATEWAY_CONFIGURATION_GET
#define GATEWAY_CONFIGURATION_REPORT
                                                                                                                                                                                                                 0x01
                                                                                                                                                                                                                 0x02
                                                                                                                                                                                                                 0x03
                                                                                                                                                                                                                 0 \times 0.4
 /* Dmx command class commands */
#define DMX VERSION
                                                                                                                                                                                                                 0x01
 #define DMX_ADDRESS_SET
                                                                                                                                                                                                                 0x01
 #define DMX_ADDRESS_GET
                                                                                                                                                                                                                 0x02
#define DMX_ADDRESS_REPORT
#define DMX_CAPABILITY_GET
                                                                                                                                                                                                                 0 \times 03
                                                                                                                                                                                                                 0x04
#define DMX CAPABILITY REPORT
                                                                                                                                                                                                                 0x05
```

```
#define DMX DATA
                                                                                                                                                                         0x06
 ^{\prime *} Values used for Dmx Address Set command */
#define DMX_ADDRESS_SET_PROPERTIES1_PAGE_ID_MASK
#define DMX_ADDRESS_SET_PROPERTIES1_RESERVED_MASK
#define DMX_ADDRESS_SET_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                         0x0F
                                                                                                                                                                         0xF0
                                                                                                                                                                         0x04
 /* Values used for Dmx Address Report command
#define DMX_ADDRESS_REPORT_PROPERTIES1_PAGE_ID_MASK
#define DMX_ADDRESS_REPORT_PROPERTIES1_RESERVED_MASK
                                                                                                                                                                         0x0F
                                                                                                                                                                         0xF0
#define DMX_ADDRESS_REPORT_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                         0x04
 /* Values used for Dmx Data command *.
/* Values used for Dmx Data command */
#define DMX_DATA_PROPERTIES1_PAGE_MASK
#define DMX_DATA_PROPERTIES1_SEQUENCE_NO_MASK
#define DMX_DATA_PROPERTIES1_SEQUENCE_NO_SHIFT
#define DMX_DATA_PROPERTIES1_RESERVED_MASK
#define DMX_DATA_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                         0x0F
                                                                                                                                                                         0x30
                                                                                                                                                                         0x04
                                                                                                                                                                         0xC0
                                                                                                                                                                         0x06
 /* Barrier Operator command class commands */
#define BARRIER_OPERATOR_VERSION
                                                                                                                                                                         0x01
 #define BARRIER_OPERATOR_SET
                                                                                                                                                                         0x01
 #define BARRIER_OPERATOR_GET
                                                                                                                                                                         0x02
#define BARRIER OPERATOR REPORT
#define BARRIER OPERATOR SIGNAL SUPPORTED GET
                                                                                                                                                                         0x03
                                                                                                                                                                         0x04
#define BARRIER OPERATOR SIGNAL SUPPORTED REPORT
#define BARRIER OPERATOR SIGNAL SET
                                                                                                                                                                         0x05
                                                                                                                                                                         0x06
 #define BARRIER OPERATOR SIGNAL GET
                                                                                                                                                                         0x07
#define BARRIER_OPERATOR_SIGNAL_REPORT
                                                                                                                                                                         0x08
/* Values used for Barrier Operator Set command */#define BARRIER_OPERATOR_SET_CLOSE#define BARRIER_OPERATOR_SET_OPEN
                                                                                                                                                                         0×00
                                                                                                                                                                         0xFF
 /* Values used for Barrier Operator Report command */
#define BARRIER_OPERATOR_REPORT_CLOSED #define BARRIER_OPERATOR_REPORT_CLOSING
                                                                                                                                                                         0x00
                                                                                                                                                                         0xFC
#define BARRIER_OPERATOR_REPORT_STOPPED
#define BARRIER_OPERATOR_REPORT_OPENING
#define BARRIER_OPERATOR_REPORT_OPEN
/* Values used for Barrier Operator Signal Set command */
                                                                                                                                                                         0xFD
                                                                                                                                                                         0xFE
                                                                                                                                                                         0xFF
#define BARRIER_OPERATOR_SIGNAL_SET_OFF
                                                                                                                                                                         0x00
#define BARRIER_OPERATOR_SIGNAL_SET_ON
/* Values used for Barrier Operator Signal Report command */
#define BARRIER_OPERATOR_SIGNAL_REPORT_OFF
#define BARRIER_OPERATOR_SIGNAL_REPORT_ON
                                                                                                                                                                         0xFF
                                                                                                                                                                         0x00
                                                                                                                                                                         0xFF
 ^{\prime \star} Network Management Installation Maintenance command class commands ^{\star \prime}
                                                                                                                                                                         0x01
\verb|#define NETWORK_MANAGEMENT_INSTALLATION_MAINTENANCE_VERSION|\\
#define LAST_WORKING_ROUTE_SET
#define LAST_WORKING_ROUTE_GET
                                                                                                                                                                         0 \times 0.1
                                                                                                                                                                         0x02
 #define LAST WORKING ROUTE REPORT
                                                                                                                                                                         0x03
#define STATISTICS_GET
#define STATISTICS_REPORT
                                                                                                                                                                         0x04
                                                                                                                                                                         0x05
#define STATISTICS_CLEAR

/* Values used for Last Working Route Set command */
#define LAST_WORKING_ROUTE_SET_9_6_KBIT_SEC
#define LAST_WORKING_ROUTE_SET_40_KBIT_SEC
#define LAST_WORKING_ROUTE_SET_100_KBIT_SEC
                                                                                                                                                                         0×06
                                                                                                                                                                         0x01
                                                                                                                                                                         0x02
                                                                                                                                                                         0x03
#define LAST_WORKING_ROUTE_REPORT_9 6 KBIT_SEC
#define LAST_WORKING_ROUTE_REPORT_40_KBIT_SEC
#define LAST_WORKING_ROUTE_REPORT_100_KBIT_SEC
                                                                                                                                                                         0 \times 01
                                                                                                                                                                         0 \times 0.2
                                                                                                                                                                         0x03
 /* Values used for Statistics Report command */
/* Values used for Statistics Report command */
#define STATISTICS_REPORT_ROUTE_CHANGES_RC
#define STATISTICS_REPORT_TRANSMISSION_COUNT_TC
#define STATISTICS_REPORT_NEIGHBORS_NB
#define STATISTICS_REPORT_PACKET_ERROR_COUNT_PEC
#define STATISTICS_REPORT_SUM_OF_TRANSMISSION_TIMES_TS
#define STATISTICS_REPORT_SUM_OF_TRANSMISSION_TIMES_SQURARED_TS2
                                                                                                                                                                         0x00
                                                                                                                                                                         0 \times 01
                                                                                                                                                                         0x02
                                                                                                                                                                         0x03
                                                                                                                                                                         0x04
                                                                                                                                                                         0x05
 /* Zip Naming command class commands */
#define ZIP_NAMING_VERSION
#define ZIP_NAMING_NAME_SET
                                                                                                                                                                         0 \times 0.1
                                                                                                                                                                         0x01
#define ZIP NAMING NAME GET
                                                                                                                                                                         0x02
#define ZIP_NAMING_NAME_GBI
#define ZIP_NAMING_LOCATION_SET
#define ZIP_NAMING_LOCATION_GET
#define ZIP_NAMING_LOCATION_REPORT
                                                                                                                                                                         0x03
                                                                                                                                                                         0x04
                                                                                                                                                                         0 \times 0.5
                                                                                                                                                                         0x06
 /* Mailbox command class commands */
 #define MAILBOX_VERSION
                                                                                                                                                                         0x01
 #define MAILBOX_CONFIGURATION_GET
                                                                                                                                                                         0x01
#define MAILBOX_CONFIGURATION_SET
#define MAILBOX_CONFIGURATION_REPORT
#define MAILBOX_QUEUE
                                                                                                                                                                         0 \times 02
                                                                                                                                                                         0x03
                                                                                                                                                                         0x04
```

```
#define MAILBOX WAKEUP NOTIFICATION
                                                                                                                                                                                                                                                                        0x05
 #define MAILBOX_NODE_FAILING
                                                                                                                                                                                                                                                                        0x06
  /* Values used for Mailbox Configuration Set command */
#define MAILBOX_CONFIGURATION_SET_PROPERTIES1_MODE_MASK
#define MAILBOX_CONFIGURATION_SET_MODE_DISABLE
#define MAILBOX_CONFIGURATION_SET_MODE_ENABLE_MAILBOX_SERVICE
#define MAILBOX_CONFIGURATION_SET_MODE_ENABLE_MAILBOX_PROXY
#define MAILBOX_CONFIGURATION_SET_PROPERTIES1_RESERVED_MASK
#define MAILBOX_CONFIGURATION_SET_PROPERTIES1_RESERVED_MASK
#define MAILBOX_CONFIGURATION_SET_PROPERTIES1_RESERVED_MASK
#define MAILBOX_CONFIGURATION_SET_PROPERTIES1_RESERVED_SHIFT_

** Values_used_for_Mailbox_Configuration_Propert_command_*/

** Values_used_for_Mailbox_Configuration_Propert_command_*/

** Values_used_for_Mailbox_Configuration_Propert_command_*/
                                                                                                                                                                                                                                                                        0 \times 0.7
                                                                                                                                                                                                                                                                        0x00
                                                                                                                                                                                                                                                                        0x01
                                                                                                                                                                                                                                                                        0x02
                                                                                                                                                                                                                                                                        0x03
#define MAILBOX_CONFIGURATION_SET_PROPERTIES1_RESERVED_SHIFT

/* Values used for Mailbox Configuration Report command */
#define MAILBOX_CONFIGURATION_REPORT_PROPERTIES1_MODE_MASK

#define MAILBOX_CONFIGURATION_REPORT_MODE_DISABLE
#define MAILBOX_CONFIGURATION_REPORT_MODE_ENABLE_MAILBOX_SERVICE
#define MAILBOX_CONFIGURATION_REPORT_MODE_ENABLE_MAILBOX_PROXY
#define MAILBOX_CONFIGURATION_REPORT_PROPERTIES1_SUPPORTED_MODES_MASK
#define MAILBOX_CONFIGURATION_REPORT_PROPERTIES1_SUPPORTED_MODES_SHIFT
#define MAILBOX_CONFIGURATION_REPORT_SUPPORTED_MODES_MAILBOX_SERVICE_SUPPORTED
#define MAILBOX_CONFIGURATION_REPORT_SUPPORTED_MODES_MAILBOX_PROXY_SUPPORTED
#define MAILBOX_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_MASK
#define MAILBOX_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_MASK
#define MAILBOX_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_MASK
                                                                                                                                                                                                                                                                        0x07
                                                                                                                                                                                                                                                                        0x00
                                                                                                                                                                                                                                                                        0x02
                                                                                                                                                                                                                                                                        0x18
                                                                                                                                                                                                                                                                        0 \times 0.3
                                                                                                                                                                                                                                                                        0x00
                                                                                                                                                                                                                                                                        0x01
                                                                                                                                                                                                                                                                        0xE0
 #define MAILBOX CONFIGURATION REPORT PROPERTIES1 RESERVED SHIFT
                                                                                                                                                                                                                                                                        0x05
 /* Values used for Mailbox Queue command */
#define MAILBOX_QUEUE_PROPERTIES1_MODE_MASK
#define MAILBOX_QUEUE_MODE_PUSH
#define MAILBOX_QUEUE_MODE_POP
                                                                                                                                                                                                                                                                        0x03
                                                                                                                                                                                                                                                                        0x00
                                                                                                                                                                                                                                                                        0x01
  #define MAILBOX QUEUE MODE WAITING
                                                                                                                                                                                                                                                                        0x02
 #define MAILBOX_QUEUE_MODE_PING
#define MAILBOX_QUEUE_MODE_ACK
#define MAILBOX_QUEUE_MODE_NACK
#define MAILBOX_QUEUE_MODE_QUEUE_FULL
                                                                                                                                                                                                                                                                        0x03
                                                                                                                                                                                                                                                                        0 \times 0.4
                                                                                                                                                                                                                                                                        0 \times 0.5
                                                                                                                                                                                                                                                                        0x06
 #define MAILBOX_QUEUE_PROPERTIES1_LAST_BIT_MASK
#define MAILBOX_QUEUE_PROPERTIES1_RESERVED_MASK
                                                                                                                                                                                                                                                                        0x04
                                                                                                                                                                                                                                                                        0xF8
 #define MAILBOX_QUEUE_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                                                        0x03
 /* Window Covering command class commands */
#define WINDOW_COVERING_VERSION
#define WINDOW_COVERING_SUPPORTED_GET
                                                                                                                                                                                                                                                                        0x01
                                                                                                                                                                                                                                                                        0x01
  #define WINDOW_COVERING_SUPPORTED_REPORT
                                                                                                                                                                                                                                                                        0x02
 #define WINDOW_COVERING_GET
#define WINDOW_COVERING_REPORT
                                                                                                                                                                                                                                                                        0x03
                                                                                                                                                                                                                                                                        0 \times 0.4
 #define WINDOW_COVERING_SET
#define WINDOW_COVERING_START_LEVEL_CHANGE
                                                                                                                                                                                                                                                                        0x05
                                                                                                                                                                                                                                                                        0x06
  #define WINDOW_COVERING_STOP_LEVEL_CHANGE
 /* Values used for Window Covering Get command */
#define WINDOW_COVERING_GET_OUT_LEFT_1
#define WINDOW_COVERING_GET_OUT_LEFT_2
#define WINDOW_COVERING_GET_OUT_RIGHT_1
#define WINDOW_COVERING_GET_OUT_RIGHT_2
#define WINDOW_COVERING_GET_IN_LEFT_1
#define WINDOW_COVERING_GET_IN_LEFT_1
#define WINDOW_COVERING_GET_IN_RIGHT_1
#define WINDOW_COVERING_GET_IN_RIGHT_1
#define WINDOW_COVERING_GET_IN_RIGHT_2
#define WINDOW_COVERING_GET_IN_RIGHT_LEFT_1
#define WINDOW_COVERING_GET_IN_RIGHT_LEFT_1
#define WINDOW_COVERING_GET_IN_RIGHT_LEFT_2
#define WINDOW_COVERING_GET_VERTICAL_SLATS_ANGLE_1
#define WINDOW_COVERING_GET_VERTICAL_SLATS_ANGLE_2
#define WINDOW_COVERING_GET_OUT_BOTTOM_1
#define WINDOW_COVERING_GET_OUT_BOTTOM_2
#define WINDOW_COVERING_GET_OUT_BOTTOM_2
#define WINDOW_COVERING_GET_OUT_TOP_1
   /* Values used for Window Covering Get command */
                                                                                                                                                                                                                                                                        0x00
                                                                                                                                                                                                                                                                        0x01
                                                                                                                                                                                                                                                                        0 \times 02
                                                                                                                                                                                                                                                                        0x03
                                                                                                                                                                                                                                                                        0x04
                                                                                                                                                                                                                                                                        0x05
                                                                                                                                                                                                                                                                        0x06
                                                                                                                                                                                                                                                                        0x07
                                                                                                                                                                                                                                                                        0 \times 0 8
                                                                                                                                                                                                                                                                        0 \times 09
                                                                                                                                                                                                                                                                        0x0A
                                                                                                                                                                                                                                                                        0x0B
                                                                                                                                                                                                                                                                        0x0C
                                                                                                                                                                                                                                                                        0×0D
#define WINDOW_COVERING_GET_OUT_TOP_1
#define WINDOW_COVERING_GET_OUT_TOP_2
#define WINDOW_COVERING_GET_IN_BOTTOM_1
#define WINDOW_COVERING_GET_IN_BOTTOM_2
#define WINDOW_COVERING_GET_IN_BOTTOM_2
                                                                                                                                                                                                                                                                        0x0E
                                                                                                                                                                                                                                                                        0x0F
                                                                                                                                                                                                                                                                        0x10
                                                                                                                                                                                                                                                                        0x11
 #define WINDOW_COVERING_GET_IN_TOP_1
#define WINDOW_COVERING_GET_IN_TOP_2
#define WINDOW_COVERING_GET_IN_TOP_BOTTOM_1
#define WINDOW_COVERING_GET_IN_TOP_BOTTOM_2
#define WINDOW_COVERING_GET_HORIZONTAL_SLATS_ANGLE_1
                                                                                                                                                                                                                                                                        0x0B
                                                                                                                                                                                                                                                                        0x12
                                                                                                                                                                                                                                                                        0 \times 1.3
                                                                                                                                                                                                                                                                        0x14
                                                                                                                                                                                                                                                                        0x15
  #define WINDOW_COVERING_GET_HORIZONTAL_SLATS_ANGLE_2
                                                                                                                                                                                                                                                                        0x16
  /* Values used for Window Covering Report command */
                                                                                                                                                                                                                                                                       0x00
 #define WINDOW_COVERING_REPORT_OUT_LEFT_1
 #define WINDOW_COVERING_REPORT_OUT_LEFT_2
#define WINDOW_COVERING_REPORT_OUT_RIGHT_1
                                                                                                                                                                                                                                                                        0x01
                                                                                                                                                                                                                                                                        0x02
 #define WINDOW_COVERING_REPORT_OUT_RIGHT_2
#define WINDOW_COVERING_REPORT_IN_LEFT_1
                                                                                                                                                                                                                                                                        0x03
                                                                                                                                                                                                                                                                        0x04
 #define WINDOW_COVERING_REPORT_IN_LEFT_2
#define WINDOW_COVERING_REPORT_IN_RIGHT_1
#define WINDOW_COVERING_REPORT_IN_RIGHT_2
#define WINDOW_COVERING_REPORT_IN_RIGHT_LEFT_1
                                                                                                                                                                                                                                                                        0x05
                                                                                                                                                                                                                                                                        0×06
                                                                                                                                                                                                                                                                        0x07
                                                                                                                                                                                                                                                                        0x08
```

```
#define WINDOW COVERING REPORT IN RIGHT LEFT 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x09
#define WINDOW_COVERING_REPORT_IN_RIGHT_LEFT_2
#define WINDOW_COVERING_REPORT_VERTICAL_SLATS_ANGLE_1
#define WINDOW_COVERING_REPORT_VERTICAL_SLATS_ANGLE_2
#define WINDOW_COVERING_REPORT_OUT_BOTTOM_1
#define WINDOW_COVERING_REPORT_OUT_TOP_1
#define WINDOW_COVERING_REPORT_OUT_TOP_2
#define WINDOW_COVERING_REPORT_OUT_TOP_2
#define WINDOW_COVERING_REPORT_IN_BOTTOM_1
#define WINDOW_COVERING_REPORT_IN_BOTTOM_2
#define WINDOW_COVERING_REPORT_IN_TOP_1
#define WINDOW_COVERING_REPORT_IN_TOP_1
#define WINDOW_COVERING_REPORT_IN_TOP_1
#define WINDOW_COVERING_REPORT_IN_TOP_1
#define WINDOW_COVERING_REPORT_IN_TOP_2
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0A
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0B
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0C
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0D
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0E
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0F
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x10
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x11
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0 \times 0 B
  #define WINDOW_COVERING_REPORT_IN_TOP_I
#define WINDOW_COVERING_REPORT_IN_TOP_2
#define WINDOW_COVERING_REPORT_IN_TOP_BOTTOM_1
#define WINDOW_COVERING_REPORT_IN_TOP_BOTTOM_2
#define WINDOW_COVERING_REPORT_HORIZONTAL_SLATS_ANGLE_1
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x12
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x13
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x14
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x15
   #define WINDOW_COVERING_REPORT_HORIZONTAL_SLATS_ANGLE_2
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x16
#define WINDOW_COVERING_REPORT_HORIZONTAL_SLATS_ANGLE_2
/* Values used for Window Covering Set command */
#define WINDOW_COVERING_SET_PROPERTIES1_PARAMETER_COUNT_MASK
#define WINDOW_COVERING_SET_PROPERTIES1_RESERVED_MASK
#define WINDOW_COVERING_SET_OUT_LEFT_1
#define WINDOW_COVERING_SET_OUT_LEFT_2
#define WINDOW_COVERING_SET_OUT_RIGHT_1
#define WINDOW_COVERING_SET_OUT_RIGHT_2
#define WINDOW_COVERING_SET_OUT_LEFT_1
#define WINDOW_COVERING_SET_IN_LEFT_1
#define WINDOW_COVERING_SET_IN_LEFT_1
#define WINDOW_COVERING_SET_IN_LEFT_1
#define WINDOW_COVERING_SET_IN_LEFT_1
#define WINDOW_COVERING_SET_IN_LEFT_1
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x1F
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0xE0
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x05
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x04
    #define WINDOW COVERING SET IN LEFT 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x05
 #define WINDOW_COVERING_SET_IN_LEFT_2
#define WINDOW_COVERING_SET_IN_RIGHT_1
#define WINDOW_COVERING_SET_IN_RIGHT_2
#define WINDOW_COVERING_SET_IN_RIGHT_LEFT_1
#define WINDOW_COVERING_SET_IN_RIGHT_LEFT_2
#define WINDOW_COVERING_SET_VERTICAL_SLATS_ANGLE_1
#define WINDOW_COVERING_SET_VERTICAL_SLATS_ANGLE_2
#define WINDOW_COVERING_SET_OUT_BOTTOM_1
#define WINDOW_COVERING_SET_OUT_BOTTOM_1
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x06
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0 \times 0.7
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0 \times 0 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x09
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0A
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0B
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0C
  #define WINDOW_COVERING_SET_OUT_BOITOM_2
#define WINDOW_COVERING_SET_OUT_TOP_1
#define WINDOW_COVERING_SET_OUT_TOP_2
#define WINDOW_COVERING_SET_IN_BOTTOM_1
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0D
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0E
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0F
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x10
    #define WINDOW_COVERING_SET_IN_BOTTOM_2
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x11
 #define WINDOW_COVERING_SET_IN_BOTTOM_2
#define WINDOW_COVERING_SET_IN_TOP_1
#define WINDOW_COVERING_SET_IN_TOP_2
#define WINDOW_COVERING_SET_IN_TOP_BOTTOM_1
#define WINDOW_COVERING_SET_IN_TOP_BOTTOM_2
#define WINDOW_COVERING_SET_HORIZONTAL_SLATS_ANGLE_1
#define WINDOW_COVERING_SET_HORIZONTAL_SLATS_ANGLE_1
#define WINDOW_COVERING_SET_HORIZONTAL_SLATS_ANGLE_1
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0B
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0 \times 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x13
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x14
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x16
#define WINDOW_COVERING_SET_HORIZONTAL_SLATS_ANGLE_2

/* Values used for Window Covering Start Level Change command */
#define WINDOW_COVERING_START_LEVEL_CHANGE_PROPERTIES1_RES1_MASK
#define WINDOW_COVERING_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_BIT_MASK
#define WINDOW_COVERING_START_LEVEL_CHANGE_PROPERTIES1_RES2_BIT_MASK
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_LEFT_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_LEFT_2
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_RIGHT_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_RIGHT_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_RIGHT_2
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_LEFT_2
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_LEFT_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_RIGHT_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_RIGHT_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_RIGHT_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_RIGHT_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_RIGHT_LEFT_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_VERTICAL_SLATS_ANGLE_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_VERTICAL_SLATS_ANGLE_2
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_BOTTOM_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_BOTTOM_2
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_BOTTOM_2
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_TOP_2
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_BOTTOM_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_BOTTOM_2
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_TOP_2
    /* Values used for Window Covering Start Level Change command */
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x3F
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x40
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x80
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x00
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0 \times 02
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x03
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           0 \times 0.8
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0 \times 09
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0C
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0×0D
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0E
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x10
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x11
 #define WINDOW_COVERING_START_LEVEL_CHANGE_IN_TOP_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_TOP_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_TOP_2
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_TOP_BOTTOM_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_TOP_BOTTOM_2
#define WINDOW_COVERING_START_LEVEL_CHANGE_HORIZONTAL_SLATS_ANGLE_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_HORIZONTAL_SLATS_ANGLE_1
#define WINDOW_COVERING_START_LEVEL_CHANGE_HORIZONTAL_SLATS_ANGLE_1
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x0B
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x12
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0 \times 1.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x14
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x15
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x16
     /* Values used for Window Covering Stop Level Change command */
                                                                                                                                                                                                                                                                                                                                                                                                                                                          0x00
   #define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_LEFT_1
  #define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_LEFT_1
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_LEFT_2
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_RIGHT_1
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_RIGHT_2
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_LEFT_1
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x01
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x02
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x03
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x04
  #define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_LEFT_2
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_RIGHT_1
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_RIGHT_2
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_RIGHT_LEFT_1
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x05
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0×06
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x07
                                                                                                                                                                                                                                                                                                                                                                                                                                                           0x08
```

```
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_RIGHT_LEFT_2
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_VERTICAL_SLATS_ANGLE_1
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_VERTICAL_SLATS_ANGLE_2
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_BOTTOM_1
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_BOTTOM_2
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_TOP_1
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_TOP_2
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_BOTTOM_1
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_BOTTOM_2
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_BOTTOM_2
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_TOP_1
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_TOP_2
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_TOP_BOTTOM_1
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_TOP_BOTTOM_1
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_TOP_BOTTOM_2
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_TOP_BOTTOM_1
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_TOP_BOTTOM_2
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_TOP_BOTTOM_2
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_TOP_BOTTOM_1
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_TOP_BOTTOM_2
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_HORIZONTAL_SLATS_ANGLE_1
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_HORIZONTAL_SLATS_ANGLE_2
 #define WINDOW COVERING STOP LEVEL CHANGE IN RIGHT LEFT 2
                                                                                                                                                                                                                                                                                                      0x09
                                                                                                                                                                                                                                                                                                      0x0A
                                                                                                                                                                                                                                                                                                      0x0B
                                                                                                                                                                                                                                                                                                      0x0C
                                                                                                                                                                                                                                                                                                      0x0D
                                                                                                                                                                                                                                                                                                      0x0E
                                                                                                                                                                                                                                                                                                      0x0F
                                                                                                                                                                                                                                                                                                      0x10
                                                                                                                                                                                                                                                                                                      0x11
                                                                                                                                                                                                                                                                                                      0 \times 0 B
                                                                                                                                                                                                                                                                                                      0x12
                                                                                                                                                                                                                                                                                                      0x13
                                                                                                                                                                                                                                                                                                      0x14
                                                                                                                                                                                                                                                                                                      0x15
                                                                                                                                                                                                                                                                                                      0x16
    * Security 2 command class commands */
 /* Security 2 command class commands */
#define SECURITY_2_VERSION
#define SECURITY_2_NONCE_GET
#define SECURITY_2_NONCE_REPORT
#define SECURITY_2_MESSAGE_ENCAPSULATION
#define KEX_GET
                                                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                                                      0x03
                                                                                                                                                                                                                                                                                                      0x04
 #define KEX_REPORT
#define KEX_SET
                                                                                                                                                                                                                                                                                                      0x05
                                                                                                                                                                                                                                                                                                      0x06
  #define KEX FAIL
                                                                                                                                                                                                                                                                                                      0x07
 #define PUBLIC KEY_REPORT
#define SECURITY_2 NETWORK_KEY_GET
#define SECURITY_2_NETWORK_KEY_REPORT
#define SECURITY_2_NETWORK_KEY_VERIFY
                                                                                                                                                                                                                                                                                                      0x08
                                                                                                                                                                                                                                                                                                      0×09
                                                                                                                                                                                                                                                                                                      0 \times 0 A
                                                                                                                                                                                                                                                                                                      0x0B
#define SECURITY_2_NETWORK_KEY_VERIFY
#define SECURITY_2_TRANSFER_END
#define SECURITY_2_COMMANDS_SUPPORTED_GET
#define SECURITY_2_COMMANDS_SUPPORTED_REPORT
#define SECURITY_2_CAPABILITIES_GET
#define SECURITY_2_CAPABILITIES_REPORT
/* Values used for Security_2 Nonce Report command */
                                                                                                                                                                                                                                                                                                      0x0C
                                                                                                                                                                                                                                                                                                      0x0D
                                                                                                                                                                                                                                                                                                      0x0E
                                                                                                                                                                                                                                                                                                      0x0F
                                                                                                                                                                                                                                                                                                      0x10
  #define SECURITY 2 NONCE REPORT PROPERTIES1 SOS BIT MASK
                                                                                                                                                                                                                                                                                                      0x01
 #define SECURITY_2_NONCE_REPORT_PROPERTIES1_MOS_BIT_MASK
                                                                                                                                                                                                                                                                                                      0x02
#define SECURITY_2_NONCE_REPORT_PROPERTIES1_MOS_BIT_MASK
#define SECURITY_2_NONCE_REPORT_PROPERTIES1_RESERVED_MASK
#define SECURITY_2_NONCE_REPORT_PROPERTIES1_RESERVED_SHIFT

/* Values used for Security 2 Message Encapsulation command */
#define SECURITY_2_MESSAGE_ENCAPSULATION_PROPERTIES1_EXTENSION_BIT_MASK
#define SECURITY_2_MESSAGE_ENCAPSULATION_PROPERTIES1_ENCRYPTED_EXTENSION_BIT_MASK
#define SECURITY_2_MESSAGE_ENCAPSULATION_PROPERTIES1_RESERVED_MASK
#define SECURITY_2_MESSAGE_ENCAPSULATION_PROPERTIES1_RESERVED_SHIFT

/* Values_wood_for_Kox_Report_command_*/
                                                                                                                                                                                                                                                                                                      0xFC
                                                                                                                                                                                                                                                                                                      0 \times 02
                                                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                                                      0xFC
                                                                                                                                                                                                                                                                                                      0x02
 /* Values used for Kex Report command */
#define KEX_REPORT_PROPERTIES1_ECHO_BIT_MASK
#define KEX_REPORT_PROPERTIES1_REQUEST_CSA_BIT_MASK
#define KEX_REPORT_PROPERTIES1_RESERVED_MASK
                                                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                                                      0xFC
 #define KEX_REPORT_PROPERTIES1_RESERVED_SHIFT
/* Values used for Kex Set command */
#define KEX_SET_PROPERTIES1_ECHO_BIT_MASK
                                                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                                                      0x01
 #define KEX_SET_PROPERTIES1_ECHO_BIT_MASK
#define KEX_SET_PROPERTIES1_REQUEST_CSA_BIT_MASK
#define KEX_SET_PROPERTIES1_RESERVED_MASK
#define KEX_SET_PROPERTIES1_RESERVED_SHIFT
/* Values used for Kex Fail command */
                                                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                                                      0xFC
                                                                                                                                                                                                                                                                                                      0x02
 #define KEX_FAIL_KEX_KEY
                                                                                                                                                                                                                                                                                                      0 \times 0.1
 #define KEX_FAIL_KEX_SCHEME
#define KEX_FAIL_KEX_CURVES
                                                                                                                                                                                                                                                                                                      0 \times 0.2
                                                                                                                                                                                                                                                                                                      0x03
 #define KEX_FAIL_DECRYPT
#define KEX_FAIL_CANCEL
                                                                                                                                                                                                                                                                                                      0x05
                                                                                                                                                                                                                                                                                                      0x06
 #define KEX_FAIL_AUTH
#define KEX_FAIL_KEY_GET
#define KEX_FAIL_KEY_VERIFY
#define KEX_FAIL_KEY_REPORT
/* Values used for Public Key Report command */
                                                                                                                                                                                                                                                                                                      0 \times 0.7
                                                                                                                                                                                                                                                                                                      0x08
                                                                                                                                                                                                                                                                                                      0x09
                                                                                                                                                                                                                                                                                                      0x0A
  #define PUBLIC_KEY_REPORT_PROPERTIES1_INCLUDING_NODE_BIT_MASK
                                                                                                                                                                                                                                                                                                      0x01
 #define PUBLIC KEY_REPORT_PROPERTIES1_RESERVED_MASK #define PUBLIC_KEY_REPORT_PROPERTIES1_RESERVED_SHIFT /* Values used for Security 2 Transfer End command */
                                                                                                                                                                                                                                                                                                      0xFE
                                                                                                                                                                                                                                                                                                      0 \times 01
 #define SECURITY_2_TRANSFER_END_PROPERTIES1_KEY_REQUEST_COMPLETE_BIT_MASK
#define SECURITY_2_TRANSFER_END_PROPERTIES1_KEY_VERIFIED_BIT_MASK
#define SECURITY_2_TRANSFER_END_PROPERTIES1_RESERVED_MASK
#define SECURITY_2_TRANSFER_END_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                                                      0xFC
                                                                                                                                                                                                                                                                                                      0x02
    * Irrigation command class commands */
 #define IRRIGATION_VERSION
#define IRRIGATION_SYSTEM_INFO_GET
                                                                                                                                                                                                                                                                                                      0x01
                                                                                                                                                                                                                                                                                                      0x01
 #define IRRIGATION_SYSTEM_INFO_REPORT
#define IRRIGATION_SYSTEM_STATUS_GET
#define IRRIGATION_SYSTEM_STATUS_REPORT
                                                                                                                                                                                                                                                                                                      0x02
                                                                                                                                                                                                                                                                                                      0 \times 03
                                                                                                                                                                                                                                                                                                      0x04
 #define IRRIGATION SYSTEM CONFIG SET
                                                                                                                                                                                                                                                                                                      0x05
```

```
#define IRRIGATION SYSTEM CONFIG GET
                                                                                                                                                                                                                                                                                                                          0x06
#define IRRIGATION_SYSTEM_CONFIG_GET
#define IRRIGATION_SYSTEM_CONFIG_REPORT
#define IRRIGATION_VALVE_INFO_GET
#define IRRIGATION_VALVE_CONFIG_SET
#define IRRIGATION_VALVE_CONFIG_GET
#define IRRIGATION_VALVE_CONFIG_REPORT
#define IRRIGATION_VALVE_CONFIG_REPORT
                                                                                                                                                                                                                                                                                                                          0x07
                                                                                                                                                                                                                                                                                                                          0x08
                                                                                                                                                                                                                                                                                                                          0x09
                                                                                                                                                                                                                                                                                                                          0x0A
                                                                                                                                                                                                                                                                                                                          0x0B
                                                                                                                                                                                                                                                                                                                          0x0C
#define IRRIGATION_VALVE_CONFIG_REPORT
#define IRRIGATION_VALVE_TABLE_SET
#define IRRIGATION_VALVE_TABLE_GET
#define IRRIGATION_VALVE_TABLE_REPORT
#define IRRIGATION_VALVE_TABLE_RUN
#define IRRIGATION_SYSTEM_SHUTOFF
                                                                                                                                                                                                                                                                                                                          0x0D
                                                                                                                                                                                                                                                                                                                          0x0E
                                                                                                                                                                                                                                                                                                                          OxOF
                                                                                                                                                                                                                                                                                                                          0x10
                                                                                                                                                                                                                                                                                                                          0x11
   /* Values used for Irrigation System Info Report command */
 #define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES1_MASTER_VALVE_BIT_MASK
                                                                                                                                                                                                                                                                                                                          0x01
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES1_RESERVED1_MASK
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES1_RESERVED1_SHIFT
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES1_RESERVED2_MASK
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES1_RESERVED2_SHIFT
                                                                                                                                                                                                                                                                                                                          0x06
                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                          0x18
                                                                                                                                                                                                                                                                                                                          0x03
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES1_RESERVED3_MASK
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES1_RESERVED3_SHIFT
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES2_VALVE_TABLE_MAX_SIZE_MASK
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES2_RESERVED_MASK
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES2_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                                                          0xE0
                                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                                          0x0F
                                                                                                                                                                                                                                                                                                                          0xF0
                                                                                                                                                                                                                                                                                                                          0x04
   * Values used for Irrigation System Status Report command */
#define IRRIGATION_SYSTEM_STATUS_REPORT_FLOW_SENSOR_DETECTED
#define IRRIGATION_SYSTEM_STATUS_REPORT_PRESSURE_SENSOR_DETECTED
#define IRRIGATION_SYSTEM_STATUS_REPORT_RAIN_SENSOR_DETECTED
#define IRRIGATION_SYSTEM_STATUS_REPORT_MOISTURE_SENSOR_DETECTED
                                                                                                                                                                                                                                                                                                                          0x00
                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                          0 \times 0.2
                                                                                                                                                                                                                                                                                                                          0x03
 #define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES1_FLOW_SIZE_MASK
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES1_FLOW_SCALE_MASK
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES1_FLOW_SCALE_SHIFT
                                                                                                                                                                                                                                                                                                                          0x07
                                                                                                                                                                                                                                                                                                                          0x18
                                                                                                                                                                                                                                                                                                                          0x03
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES1_FLOW_PRECISION_MASK
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES1_FLOW_PRECISION_MASK
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES1_FLOW_PRECISION_SHIFT
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES2_PRESSURE_SIZE_MASK
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES2_PRESSURE_SCALE_SHIFT
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES2_PRESSURE_PRECISION_MASK
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES2_PRESSURE_PRECISION_SHIFT
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES2_PRESSURE_PRECISION_SHIFT
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES3_RESERVED_MASK
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES3_RESERVED_MASK
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES3_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                                                          0xE0
                                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                                          0x07
                                                                                                                                                                                                                                                                                                                          0x18
                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                          0xE0
                                                                                                                                                                                                                                                                                                                          0 \times 0.5
                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                          0xFE
 #define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES3_RESERVED_SHIFT
   /* Values used for Irrigation System Config Set command */
 #define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES1_HIGH_PRESSURE_THRESHOLD_SIZE_MASK
                                                                                                                                                                                                                                                                                                                          0x07
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES1_HIGH_PRESSURE_THRESHOLD_SIZE_MASK
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES1_HIGH_PRESSURE_THRESHOLD_SCALE_MASK
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES1_HIGH_PRESSURE_THRESHOLD_PRECISION_MASK
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES1_HIGH_PRESSURE_THRESHOLD_PRECISION_MASK
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES1_HIGH_PRESSURE_THRESHOLD_PRECISION_SHIFT
                                                                                                                                                                                                                                                                                                                          0x18
                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                          0xE0
                                                                                                                                                                                                                                                                                                                         0x05
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES2_LOW_PRESSURE_THRESHOLD_SCALE_MASK
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES2_LOW_PRESSURE_THRESHOLD_SCALE_MASK
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES2_LOW_PRESSURE_THRESHOLD_SCALE_SHIFT
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES2_LOW_PRESSURE_THRESHOLD_PRECISION_MASK
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES2_LOW_PRESSURE_THRESHOLD_PRECISION_MASK
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES2_LOW_PRESSURE_THRESHOLD_PRECISION_SHIFT
                                                                                                                                                                                                                                                                                                                          0x07
                                                                                                                                                                                                                                                                                                                          0 \times 18
                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                          0xE0
   /* Values used for Irrigation System Config Report command */
#define IRRIGATION_SYSTEM_CONFIG_REPORT_PROPERTIES1_HIGH_PRESSURE_THRESHOLD_SIZE_MASK 0x07
#define IRRIGATION_SYSTEM_CONFIG_REPORT_PROPERTIES1_HIGH_PRESSURE_THRESHOLD_SCALE_MASK 0x18
#define IRRIGATION_SYSTEM_CONFIG_REPORT_PROPERTIES1_HIGH_PRESSURE_THRESHOLD_SCALE_SHIFT 0x03
#define IRRIGATION_SYSTEM_CONFIG_REPORT_PROPERTIES1_HIGH_PRESSURE_THRESHOLD_PRECISION_MASK 0xE0
#define IRRIGATION_SYSTEM_CONFIG_REPORT_PROPERTIES1_HIGH_PRESSURE_THRESHOLD_PRECISION_MASK_0xE0
#define IRRIGATION_SYSTEM_CONFIG_REPORT_PROPERTIES1_HIGH_PRESSURE_THRESHOLD_PRECISION_SHIFT_0x05
#define IRRIGATION_SYSTEM_CONFIG_REPORT_PROPERTIES2_LOW_PRESSURE_THRESHOLD_SIZE_MASK_0x18
#define IRRIGATION_SYSTEM_CONFIG_REPORT_PROPERTIES2_LOW_PRESSURE_THRESHOLD_SCALE_MASK_0x18
#define IRRIGATION_SYSTEM_CONFIG_REPORT_PROPERTIES2_LOW_PRESSURE_THRESHOLD_SCALE_SHIFT_0x03
#define IRRIGATION_SYSTEM_CONFIG_REPORT_PROPERTIES2_LOW_PRESSURE_THRESHOLD_PRECISION_MASK_0xE0
#define IRRIGATION_SYSTEM_CONFIG_REPORT_PROPERTIES2_LOW_PRESSURE_THRESHOLD_PRECISION_SHIFT_0x05
/* Values used for Irrigation_Valve_Info_Get_command_*/
#define IRRIGATION_VALVE_INFO_GET_PROPERTIES1_MASTER_VALVE_BIT_MASK
#define IRRIGATION_VALVE_INFO_GET_PROPERTIES1_RESERVED_MASK
#define IRRIGATION_VALVE_INFO_GET_PROPERTIES1_RESERVED_SHIFT
/* Values used for Irrigation_Valve_Info_Report_command_*/
                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                          0xFE
                                                                                                                                                                                                                                                                                                                          0 \times 01
 #define IRRIGATION_VALVE_INFO_REPORT_PROPERTIES1_MASTER_BIT_MASK
                                                                                                                                                                                                                                                                                                                          0x01
#define IRRIGATION_VALVE_INFO_REPORT_PROPERTIES1_MASTER_BIT_MASK
#define IRRIGATION_VALVE_INFO_REPORT_PROPERTIES1_CONNECTED_BIT_MASK
#define IRRIGATION_VALVE_INFO_REPORT_PROPERTIES1_RESERVED_MASK
#define IRRIGATION_VALVE_INFO_REPORT_PROPERTIES1_RESERVED_SHIFT
/* Values used for Irrigation_Valve_Config_Set_command */
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES1_MASTER_VALVE_BIT_MASK
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES1_RESERVED_SHIFT
#define_IRRIGATION_VALVE_CONFIG_SET_PROPERTIES1_RESERVED_SHIFT
#define_IRRIGATION_VALVE_CONFIG_SET_PROPERTIES2_MAXIMUM_FLOW_SIZE_MASK
                                                                                                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                                                                                                          0xFC
                                                                                                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                          0xFE
                                                                                                                                                                                                                                                                                                                          0x01
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES2_MAXIMUM_FLOW_SIZE_MASK
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES2_MAXIMUM_FLOW_SCALE_MASK
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES2_MAXIMUM_FLOW_SCALE_SHIFT
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES2_MAXIMUM_FLOW_PRECISION_MASK
                                                                                                                                                                                                                                                                                                                          0x07
                                                                                                                                                                                                                                                                                                                          0 \times 18
                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                          0xE0
```

```
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES2_MAXIMUM_FLOW_PRECISION_SHIFT
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES3_FLOW_HIGH_THRESHOLD_SIZE_MASK
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES3_FLOW_HIGH_THRESHOLD_SCALE_MASK
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES3_FLOW_HIGH_THRESHOLD_SCALE_SHIFT
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES3_FLOW_HIGH_THRESHOLD_PRECISION_MASK
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES3_FLOW_HIGH_THRESHOLD_PRECISION_SHIFT
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES3_FLOW_HIGH_THRESHOLD_SIZE_MASK
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES4_FLOW_LOW_THRESHOLD_SIZE_MASK
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES4_FLOW_LOW_THRESHOLD_SCALE_MASK
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES4_FLOW_LOW_THRESHOLD_PRECISION_MASK
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES4_FLOW_LOW_THRESHOLD_PRECISION_SHIFT
/* Values used for Irrigation Valve Config_Get_command */
#define IRRIGATION_VALVE_CONFIG_GET_PROPERTIES1_MASTER_VALVE_BIT_MASK
#define IRRIGATION_VALVE_CONFIG_GET_PROPERTIES1_RESERVED_SHIFT
/* Values used for Irrigation Valve Config_Report_PROPERTIES1_RESERVED_SHIFT
/* Values used for Irrigation_Valve_CONFIG_REPORT_PROPERTIES1_RESERVED_MASK
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES1_RESERVED_SHIFT
/* Values used for Irrigation_Valve_Config_Report_PROPERTIES1_RESERVED_SHIFT
/* Using IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES1_RESERVED_SHIFT
/* Using IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES1_RESERVED_SHIFT
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES2_MAXIMUM_FLOW_SIZE_MASK
  #define IRRIGATION VALVE CONFIG SET PROPERTIES2 MAXIMUM FLOW PRECISION SHIFT
                                                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                                                          0x07
                                                                                                                                                                                                                                                                                                                                          0x18
                                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                                          0xE0
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                                                                                                                                                                                                                                                                                                                                          0x18
                                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                                          0xE0
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                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                          0xFE
                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                          0xFE
                                                                                                                                                                                                                                                                                                                                          0x01
   #define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES2_MAXIMUM_FLOW_SIZE_MASK
                                                                                                                                                                                                                                                                                                                                          0x07
 #define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES2_MAXIMUM_FLOW_SCALE_MASK
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES2_MAXIMUM_FLOW_SCALE_SHIFT
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES2_MAXIMUM_FLOW_PRECISION_MASK
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES2_MAXIMUM_FLOW_PRECISION_SHIFT
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES3_FLOW_HIGH_THRESHOLD_SIZE_MASK
                                                                                                                                                                                                                                                                                                                                          0x18
                                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                                          0xE0
                                                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                                                          0x07
 #define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES3_FLOW_HIGH_THRESHOLD_SCALE_MASK
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES3_FLOW_HIGH_THRESHOLD_SCALE_SHIFT
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES3_FLOW_HIGH_THRESHOLD_PRECISION_MASK
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES3_FLOW_HIGH_THRESHOLD_PRECISION_SHIFT
                                                                                                                                                                                                                                                                                                                                          0x18
                                                                                                                                                                                                                                                                                                                                          0 \times 03
                                                                                                                                                                                                                                                                                                                                          0 \times E0
                                                                                                                                                                                                                                                                                                                                          0x05
 #define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES4_FLOW_LOW_THRESHOLD_SIZE_MASK #define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES4_FLOW_LOW_THRESHOLD_SCALE_MASK #define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES4_FLOW_LOW_THRESHOLD_SCALE_SHIFT
                                                                                                                                                                                                                                                                                                                                          0x07
                                                                                                                                                                                                                                                                                                                                          0x18
                                                                                                                                                                                                                                                                                                                                          0x03
 #define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES4_FLOW_LOW_THRESHOLD_PRECISION_MASK
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES4_FLOW_LOW_THRESHOLD_PRECISION_SHIFT
/* Values used for Irrigation Valve Run command */
                                                                                                                                                                                                                                                                                                                                          0xE0
                                                                                                                                                                                                                                                                                                                                          0 \times 05
   #define IRRIGATION VALVE RUN PROPERTIES1 MASTER VALVE BIT MASK
                                                                                                                                                                                                                                                                                                                                          0x01
   #define IRRIGATION_VALVE_RUN_PROPERTIES1_RESERVED_MASK
                                                                                                                                                                                                                                                                                                                                          0xFE
 #define IRRIGATION_VALVE_RUN_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                                                                          0x01
   /* Supervision command class commands */
  #define SUPERVISION VERSION
                                                                                                                                                                                                                                                                                                                                          0x01
   #define SUPERVISION_GET
                                                                                                                                                                                                                                                                                                                                          0x01
   #define SUPERVISION REPORT
                                                                                                                                                                                                                                                                                                                                          0x02
 #define SUPERVISION_REPORT

/* Values used for Supervision Get command */
#define SUPERVISION_GET_PROPERTIES1_RESERVED_BIT_MASK
#define SUPERVISION_GET_PROPERTIES1_RESERVED_BIT_MASK
#define SUPERVISION_GET_PROPERTIES1_STATUS_UPDATES_BIT_MASK
                                                                                                                                                                                                                                                                                                                                          0 \times 3 F
                                                                                                                                                                                                                                                                                                                                          0x40
                                                                                                                                                                                                                                                                                                                                          0x80
   /* Values used for Supervision Report command */
 #define SUPERVISION_REPORT_PROPERTIES1_SESSION_ID_MASK
#define SUPERVISION_REPORT_PROPERTIES1_RESERVED_BIT_MASK
#define SUPERVISION_REPORT_PROPERTIES1_MORE_STATUS_UPDATES_BIT_MASK
#define SUPERVISION_REPORT_NO_SUPPORT
#define SUPERVISION_REPORT_WORKING
                                                                                                                                                                                                                                                                                                                                          0x3F
                                                                                                                                                                                                                                                                                                                                          0x40
                                                                                                                                                                                                                                                                                                                                          0x80
                                                                                                                                                                                                                                                                                                                                          0x00
                                                                                                                                                                                                                                                                                                                                          0x01
  #define SUPERVISION_REPORT_FAIL
#define SUPERVISION_REPORT_BUSY
                                                                                                                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                                                                                                                          0x03
  #define SUPERVISION REPORT SUCCESS
                                                                                                                                                                                                                                                                                                                                          0xFF
      * Humidity Control Setpoint command class commands */
/* Humidity Control Setpoint command class commands */
#define HUMIDITY CONTROL SETPOINT VERSION
#define HUMIDITY_CONTROL_SETPOINT_SET
#define HUMIDITY_CONTROL_SETPOINT_GET
#define HUMIDITY_CONTROL_SETPOINT_REPORT
#define HUMIDITY_CONTROL_SETPOINT_SUPPORTED_GET
#define HUMIDITY_CONTROL_SETPOINT_SUPPORTED_REPORT
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_REPORT
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT
/* Values_used_for_Humidity_Control_Setpoint_Set_command
                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                          0 \times 0.2
                                                                                                                                                                                                                                                                                                                                          0x03
                                                                                                                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                                                                                                                          0x05
                                                                                                                                                                                                                                                                                                                                          0x06
                                                                                                                                                                                                                                                                                                                                          0x07
                                                                                                                                                                                                                                                                                                                                          0x08
                                                                                                                                                                                                                                                                                                                                          0 \times 09
      * Values used for Humidity Control Setpoint Set command */
 /* Values used for Humidity Control Setpoint Set command */
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES1_SETPOINT_TYPE_MASK
#define HUMIDITY_CONTROL_SETPOINT_SET_SETPOINT_TYPE_HUMIDIFIER
#define HUMIDITY_CONTROL_SETPOINT_SET_SETPOINT_TYPE_DEHUMIDIFIER
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES1_RESERVED_MASK
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES2_SIZE_MASK
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES2_SCALE_MASK
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES2_SCALE_SHIFT
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES2_SCALE_SHIFT
#define HUMIDITY_CONTROL_SETPOINT_SET_SCALE_PERCENTAGE
                                                                                                                                                                                                                                                                                                                                          0x0F
                                                                                                                                                                                                                                                                                                                                          0x01
                                                                                                                                                                                                                                                                                                                                          0x02
                                                                                                                                                                                                                                                                                                                                          0xF0
                                                                                                                                                                                                                                                                                                                                          0x04
                                                                                                                                                                                                                                                                                                                                          0x07
                                                                                                                                                                                                                                                                                                                                          0x18
                                                                                                                                                                                                                                                                                                                                          0x03
 #define HUMIDITY_CONTROL_SETPOINT_SET_SCALE_ABSOLUTE
#define HUMIDITY_CONTROL_SETPOINT_SET_SCALE_ABSOLUTE
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES2_PRECISION_MASK
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES2_PRECISION_SHIFT
                                                                                                                                                                                                                                                                                                                                          0x00
                                                                                                                                                                                                                                                                                                                                          0 \times 01
                                                                                                                                                                                                                                                                                                                                          0xE0
```

```
* Values used for Humidity Control Setpoint Get command *,
/* Values used for Humidity Control Setpoint Get command */
#define HUMIDITY_CONTROL_SETPOINT_GET_PROPERTIES1_SETPOINT_TYPE_MASK
#define HUMIDITY_CONTROL_SETPOINT_GET_SETPOINT_TYPE_HUMIDIFIER
#define HUMIDITY_CONTROL_SETPOINT_GET_SETPOINT_TYPE_DEHUMIDIFIER
#define HUMIDITY_CONTROL_SETPOINT_GET_PROPERTIES1_RESERVED_MASK
#define HUMIDITY_CONTROL_SETPOINT_GET_PROPERTIES1_RESERVED_SHIFT
/* Values used for Humidity Control Setpoint Report command */
                                                                                                                                                                                                                                                                                                                                                                                                                       0x0F
                                                                                                                                                                                                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                                                                                                                                                                                                                       0xF0
                                                                                                                                                                                                                                                                                                                                                                                                                       0x04
/* Values used for Humidity Control Setpoint Report command */
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES1_SETPOINT_TYPE_MASK
#define HUMIDITY_CONTROL_SETPOINT_REPORT_SETPOINT_TYPE_HUMIDIFIER
#define HUMIDITY_CONTROL_SETPOINT_REPORT_SETPOINT_TYPE_DEHUMIDIFIER
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES1_RESERVED_MASK
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES1_RESERVED_SHIFT
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES2_SIZE_MASK
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES2_SCALE_SHIFT
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES2_SCALE_SHIFT
#define HUMIDITY_CONTROL_SETPOINT_REPORT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETPOINT_SETP
                                                                                                                                                                                                                                                                                                                                                                                                                       0x0F
                                                                                                                                                                                                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                                                                                                                                                                                                       0 \times 0.2
                                                                                                                                                                                                                                                                                                                                                                                                                       0xF0
                                                                                                                                                                                                                                                                                                                                                                                                                       0x04
                                                                                                                                                                                                                                                                                                                                                                                                                       0x07
                                                                                                                                                                                                                                                                                                                                                                                                                       0x18
                                                                                                                                                                                                                                                                                                                                                                                                                       0x03
 #define HUMIDITY_CONTROL_SETPOINT_REPORT_SCALE_PERCENTAGE
#define HUMIDITY_CONTROL_SETPOINT_REPORT_SCALE_ABSOLUTE
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES2_PRECISION_MASK
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES2_PRECISION_SHIFT
                                                                                                                                                                                                                                                                                                                                                                                                                       0 \times 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                                                                                                                                                                                                       0xE0
                                                                                                                                                                                                                                                                                                                                                                                                                       0x05
    ^{\prime\star} Values used for Humidity Control Setpoint Scale Supported Get command ^{\star\prime}
 #define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET_PROPERTIES1_SETPOINT_TYPE_MASK
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET_SETPOINT_TYPE_HUMIDIFIER
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET_SETPOINT_TYPE_DEHUMIDIFIER
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET_PROPERTIES1_RESERVED_MASK
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                                                                                                                                                       0×0F
                                                                                                                                                                                                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                                                                                                                                                                                                                       0x04
    /* Values used for Humidity Control Setpoint Scale Supported Report command */
 #define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_REPORT_PROPERTIES1_SCALE_BIT_MASK_MASK_0x0F
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_REPORT_SCALE_BIT_MASK_PERCENTAGE 0x00
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_REPORT_SCALE_BIT_MASK_ABSOLUTE 0x01
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK 0xF0
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT 0x04
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT 0x04
   /* Values used for Humidity Control Setpoint Capabilities Get command */
 #define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET_PROPERTIES1_SETPOINT_TYPE_MASK
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_HUMIDIFIER
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_DEHUMIDIFIER
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET_PROPERTIES1_RESERVED_MASK
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                                                                                                                                                       0x0F
                                                                                                                                                                                                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                                                                                                                                                                                                                       0xF0
                                                                                                                                                                                                                                                                                                                                                                                                                       0 \times 04
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET_PROPERTIES1_RESERVED_SHIFT

/* Values used for Humidity Control Setpoint Capabilities Report command */
#define HUMIDITY_CONTROL_SETPOINT CAPABILITIES_REPORT_PROPERTIES1_SETPOINT_TYPE_MASK
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_DEHUMIDIFIER
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES1_RESERVED_MASK
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES1_RESERVED_SHIFT
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_SIZE1_MASK
#define_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_SIZE1_MASK
                                                                                                                                                                                                                                                                                                                                                                                                                       0×0F
                                                                                                                                                                                                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                                                                                                                                                                                                                       0x04
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_SIZE1_MASK
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_SCALE1_MASK
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_SCALE1_SHIFT
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_SCALE1_PERCENTAGE
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_SCALE1_ABSOLUTE
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_PRECISION1_MASK
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_PRECISION1_SHIFT
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_SIZE2_MASK
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_SCALE2_MASK
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_SCALE2_SHIFT
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_SCALE2_SHIFT
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_SCALE2_PERCENTAGE
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_SCALE2_ABSOLUTE
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_PRECISION2_MASK
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_PRECISION2_SHIFT
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_PRECISION2_SHIFT
                                                                                                                                                                                                                                                                                                                                                                                                                       0x07
                                                                                                                                                                                                                                                                                                                                                                                                                       0x18
                                                                                                                                                                                                                                                                                                                                                                                                                       0x03
                                                                                                                                                                                                                                                                                                                                                                                                                       0x00
                                                                                                                                                                                                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                                                                                                                                                                                                       0xE0
                                                                                                                                                                                                                                                                                                                                                                                                                       0 \times 0.5
                                                                                                                                                                                                                                                                                                                                                                                                                       0x07
                                                                                                                                                                                                                                                                                                                                                                                                                       0x18
                                                                                                                                                                                                                                                                                                                                                                                                                       0x03
                                                                                                                                                                                                                                                                                                                                                                                                                       0x00
                                                                                                                                                                                                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                                                                                                                                                                                                       0xE0
                                                                                                                                                                                                                                                                                                                                                                                                                       0 \times 0.5
             Humidity Control Mode command class commands */
  #define HUMIDITY_CONTROL_MODE_VERSION
#define HUMIDITY_CONTROL_MODE_SET
                                                                                                                                                                                                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                                                                                                                                                                                                       0x01
 #define HUMIDITY_CONTROL_MODE_SET
#define HUMIDITY_CONTROL_MODE_GET
#define HUMIDITY_CONTROL_MODE_SUPPORTED_GET
#define HUMIDITY_CONTROL_MODE_SUPPORTED_GET
#define HUMIDITY_CONTROL_MODE_SUPPORTED_REPORT
                                                                                                                                                                                                                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                                                                                                                                                                                                                       0x03
                                                                                                                                                                                                                                                                                                                                                                                                                       0x04
                                                                                                                                                                                                                                                                                                                                                                                                                       0x05
   /* Values used for Humidity Control Mode Set command */
 #define HUMIDITY_CONTROL_MODE_SET_PROPERTIES1_MODE_MASK #define HUMIDITY_CONTROL_MODE_SET_MODE_OFF #define HUMIDITY_CONTROL_MODE_SET_MODE_HUMIDIFY
                                                                                                                                                                                                                                                                                                                                                                                                                       0×0F
                                                                                                                                                                                                                                                                                                                                                                                                                       0 \times 0.0
                                                                                                                                                                                                                                                                                                                                                                                                                       0x01
 #define HUMIDITY_CONTROL_MODE_SET_MODE_DEHUMIDIFY
#define HUMIDITY_CONTROL_MODE_SET_PROPERTIES1_RESERVED_MASK
#define HUMIDITY_CONTROL_MODE_SET_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                                                                                                                                                       0x02
                                                                                                                                                                                                                                                                                                                                                                                                                       0xF0
                                                                                                                                                                                                                                                                                                                                                                                                                       0x04
 /* Values used for Humidity Control Mode Report command */
#define HUMIDITY_CONTROL_MODE_REPORT_PROPERTIES1_MODE_MASK
#define HUMIDITY_CONTROL_MODE_REPORT_MODE_OFF
                                                                                                                                                                                                                                                                                                                                                                                                                       0x0F
                                                                                                                                                                                                                                                                                                                                                                                                                       0x00
  #define HUMIDITY_CONTROL_MODE_REPORT_MODE_HUMIDIFY
#define HUMIDITY_CONTROL_MODE_REPORT_MODE_DEHUMIDIFY
                                                                                                                                                                                                                                                                                                                                                                                                                       0x01
                                                                                                                                                                                                                                                                                                                                                                                                                       0x02
 #define HUMIDITY_CONTROL_MODE_REPORT_PROPERTIES1_RESERVED_MASK
#define HUMIDITY_CONTROL_MODE_REPORT_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                                                                                                                                                                                                                                       0xF0
                                                                                                                                                                                                                                                                                                                                                                                                                       0 \times 0.4
  /* Humidity Control Operating State command class commands */
```

```
#define HUMIDITY CONTROL OPERATING STATE VERSION
                                                                                                                                                                                                       0x01
#define HUMIDITY CONTROL OPERATING STATE GET #define HUMIDITY CONTROL OPERATING STATE REPORT
                                                                                                                                                                                                       0x01
                                                                                                                                                                                                       0x02
#define HUMIDITY_CONTROL_OPERATING_STATE_REPORT_PROPERTIES1_OPERATING_STATE_MASK #define HUMIDITY_CONTROL_OPERATING_STATE_REPORT_PROPERTIES1_OPERATING_STATE_MASK #define HUMIDITY_CONTROL_OPERATING_STATE_REPORT_OPERATING_STATE_HUMIDIFYING #define HUMIDITY_CONTROL_OPERATING_STATE_REPORT_OPERATING_STATE_HUMIDIFYING #define HUMIDITY_CONTROL_OPERATING_STATE_REPORT_OPERATING_STATE_DEHUMIDIFYING #define HUMIDITY_CONTROL_OPERATING_STATE_REPORT_PROPERTIES1_RESERVED_MASK #define HUMIDITY_CONTROL_OPERATING_STATE_REPORT_PROPERTIES1_RESERVED_SHIFT
                                                                                                                                                                                                       0x0F
                                                                                                                                                                                                       0x00
                                                                                                                                                                                                       0x01
                                                                                                                                                                                                       0x02
                                                                                                                                                                                                       0xF0
                                                                                                                                                                                                       0 \times 0.4
 /* Entry Control command class commands */
 #define ENTRY CONTROL VERSION
                                                                                                                                                                                                       0x01
 #define ENTRY_CONTROL_NOTIFICATION
                                                                                                                                                                                                       0x01
 #define ENTRY_CONTROL_KEY_SUPPORTED_GET
                                                                                                                                                                                                       0x02
#define ENTRY_CONTROL_KEY_SUPPORTED_REPORT
#define ENTRY_CONTROL_EVENT_SUPPORTED_GET
#define ENTRY_CONTROL_EVENT_SUPPORTED_REPORT
#define ENTRY_CONTROL_EVENT_SUPPORTED_REPORT
#define ENTRY_CONTROL_CONTIGURATION_SET
                                                                                                                                                                                                       0 \times 0.3
                                                                                                                                                                                                       0x04
                                                                                                                                                                                                       0x05
                                                                                                                                                                                                       0x06
 #define ENTRY_CONTROL_CONFIGURATION_GET
                                                                                                                                                                                                       0x07
 #define ENTRY_CONTROL_CONFIGURATION_REPORT
                                                                                                                                                                                                       0x08
 /* Values used for Entry Control Notification command */
 #define ENTRY_CONTROL_NOTIFICATION_PROPERTIES1_DATA_TYPE_MASK
#define ENTRY_CONTROL_NOTIFICATION_DATA_TYPE_NA
                                                                                                                                                                                                       0x03
                                                                                                                                                                                                       0x00
 #define ENTRY CONTROL NOTIFICATION DATA TYPE RAW
                                                                                                                                                                                                       0x01
#define ENTRY CONTROL NOTIFICATION DATA TYPE ASCII
#define ENTRY CONTROL NOTIFICATION DATA TYPE MD5
#define ENTRY CONTROL NOTIFICATION PROPERTIES1 RESERVED MASK
#define ENTRY CONTROL NOTIFICATION PROPERTIES1 RESERVED SHIFT
                                                                                                                                                                                                       0x02
                                                                                                                                                                                                       0 \times 03
                                                                                                                                                                                                       0×FC
                                                                                                                                                                                                       0x02
 #define ENTRY_CONTROL_NOTIFICATION_CACHING
#define ENTRY_CONTROL_NOTIFICATION_CACHED_KEYS
                                                                                                                                                                                                       0x00
                                                                                                                                                                                                       0x01
 #define ENTRY_CONTROL_NOTIFICATION_ENTER
                                                                                                                                                                                                       0x02
#define ENTRY_CONTROL_NOTIFICATION_DISARM_ALL
#define ENTRY_CONTROL_NOTIFICATION_ARM_ALL
#define ENTRY_CONTROL_NOTIFICATION_ARM_AWAY
#define ENTRY_CONTROL_NOTIFICATION_ARM_HOME
                                                                                                                                                                                                       0x03
                                                                                                                                                                                                       0x04
                                                                                                                                                                                                       0x05
                                                                                                                                                                                                       0x06
 #define ENTRY_CONTROL_NOTIFICATION_EXIT_DELAY
                                                                                                                                                                                                       0x07
#define ENTRY_CONTROL_NOTIFICATION_ARM_1
#define ENTRY_CONTROL_NOTIFICATION_ARM_2
#define ENTRY_CONTROL_NOTIFICATION_ARM_3
#define ENTRY_CONTROL_NOTIFICATION_ARM_4
                                                                                                                                                                                                       0x08
                                                                                                                                                                                                       0×09
                                                                                                                                                                                                       0x0A
                                                                                                                                                                                                       0x0B
 #define ENTRY_CONTROL_NOTIFICATION_ARM_5
                                                                                                                                                                                                       0x0C
 #define ENTRY_CONTROL_NOTIFICATION_ARM_6
                                                                                                                                                                                                       0x0D
 #define ENTRY_CONTROL_NOTIFICATION_RFID
                                                                                                                                                                                                       0x0E
#define ENTRY_CONTROL_NOTIFICATION_BELL #define ENTRY_CONTROL_NOTIFICATION_FIRE
                                                                                                                                                                                                       0x0F
                                                                                                                                                                                                       0x10
 #define ENTRY_CONTROL_NOTIFICATION_FOLICE
#define ENTRY_CONTROL_NOTIFICATION_ALERT_PANIC
                                                                                                                                                                                                       0x11
                                                                                                                                                                                                       0x12
#define ENTRY_CONTROL_NOTIFICATION_ALBRT_MEDICAL
#define ENTRY_CONTROL_NOTIFICATION_GATE_OPEN
#define ENTRY_CONTROL_NOTIFICATION_GATE_CLOSE
#define ENTRY_CONTROL_NOTIFICATION_LOCK
#define ENTRY_CONTROL_NOTIFICATION_UNLOCK
                                                                                                                                                                                                       0x13
                                                                                                                                                                                                       0 \times 14
                                                                                                                                                                                                       0x15
                                                                                                                                                                                                       0x16
#define ENTRY_CONTROL_NOTIFICATION_TEST
#define ENTRY_CONTROL_NOTIFICATION_CANCEL
                                                                                                                                                                                                       0x18
                                                                                                                                                                                                       0x19
/* Values used for Entry Control Event Supported Report command */
#define ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_PROPERTIES1_DATA_TYPE_SUPPORTED_BIT_MASK_LENGTH_MASK_0x03
#define ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED1_MASK 0xFC
#define ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED1_SHIFT 0x02
#define ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_PROPERTIES2_RESERVED1_SHIFT 0x02
#define ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_PROPERTIES2_EVENT_SUPPORTED_BIT_MASK_LENGTH_MASK 0x1F
#define ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_PROPERTIES2_RESERVED2_MASK 0xE0
#define ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_PROPERTIES2_RESERVED2_SHIFT 0x05
      Inclusion Controller command class commands */
 #define INCLUSION CONTROLLER VERSION
                                                                                                                                                                                                       0x01
 #define INITIATE
                                                                                                                                                                                                       0x01
 #define COMPLETE
                                                                                                                                                                                                       0 \times 02
/* Values used for Initiate command */
#define INITIATE_PROXY_INCLUSION
#define INITIATE_SO_INCLUSION
                                                                                                                                                                                                       0x01
                                                                                                                                                                                                       0x02
 /* Values used for Complete command */
/* Values used for Complete command #define COMPLETE_PROXY_INCLUSION #define COMPLETE_SO_INCLUSION #define COMPLETE_STEP_OK #define COMPLETE_STEP_USER_REJECTED #define COMPLETE_STEP_FAILED #define COMPLETE_STEP_NOT_SUPPORTED
                                                                                                                                                                                                       0x01
                                                                                                                                                                                                       0x02
                                                                                                                                                                                                       0x01
                                                                                                                                                                                                       0x02
                                                                                                                                                                                                       0x03
                                                                                                                                                                                                       0x04
```

/* Max. frame size to allow routing over 4 hops */

```
#define META DATA MAX DATA SIZE
^{\prime} /* Structs and unions that can be used by the application ^{*\prime}
  to construct the frames to be sent */
/**********************
/* Common for all command classes
typedef struct _ZW_COMMON_FRAME
       cmdClass; /* The command class */
cmd; /* The command */
} ZW_COMMON_FRAME;
typedef struct _ZW_ALARM_GET_FRAME_
                                           /* The command class */
   BYTE
            cmdClass;
                                           /* The command */
   BYTE
         cmd;
alarmType;
} ZW ALARM GET FRAME;
typedef struct _ZW_ALARM_REPORT_FRAME_
         cmdClass;
cmd;
alarmType;
alarmLevel.
                                           /* The command class */
   BYTE
                                           /* The command */
   BYTE
   BYTE
   BYTE
             alarmLevel;
} ZW_ALARM_REPORT_FRAME;
typedef struct _ZW_ALARM_GET_V2_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE alarmType;
BYTE zwaveAlarmT
                                           /* The command class */
                                           /* The command */
             zwaveAlarmType;
   BYTE
} ZW_ALARM_GET_V2_FRAME;
/* Alarm Report 1byte V2 command class structs */
typedef struct _ZW_ALARM_REPORT_1BYTE_V2_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE alarmType;
BYTE alarmLevel;
BYTE zensorNetSourceNodeId;
BYTE zwaveAlarmStatus;
BYTE zwaveAlarmType;
BYTE zwaveAlarmEvent;
BYTE numberOfEventParameters;
BYTE eventParameter1;
                                            /* The command class */
                                           /* The command */
/**/
                                           /**/
                                            /**/
                                            /**/
                                            /**<sup>'</sup>/
   BYTE
             eventParameter1;
} ZW_ALARM_REPORT_1BYTE_V2_FRAME;
/***********************
/* Alarm Report 2byte V2 command class structs */
typedef struct _ZW_ALARM_REPORT_2BYTE_V2_FRAME_
           cmdClass;
cmd;
alarmType;
alarmLevel;
zensorNetSourceNodeId;
zwaveAlarmStatus;
zwaveAlarmType;
zwaveAlarmEvent;
numberOfEventParameters;
eventParameter1;
   BYTE
                                            /* The command class */
                                            /* The command */
   BYTE
                                            /**/
   BYTE
                                           /**/
   BYTE
                                            /**/
   BYTE
                                            /**/
/**/
/**/
   BYTE
   BYTE
   BYTE
   BYTE
            eventParameter1;
                                           /* MSB */
   BYTE
                                            /* LSB */
   BYTE
            eventParameter2;
```

```
} ZW ALARM REPORT 2BYTE V2 FRAME;
typedef struct _ZW_ALARM_REPORT_3BYTE_V2_FRAME_
    BYTE
             cmdClass;
                                            /* The command class */
         cmdClass;
cmd;
alarmType;
alarmType;
alarmLevel;
zensorNetSourceNodeId;
zwaveAlarmStatus;
zwaveAlarmType;
zwaveAlarmType;
numberOfEventParameters;
eventParameter1;
eventParameter2;
eventParameter3;
M REPORT 3BYTE V2 FRAME;
                                            /* The command */
   BYTE
   BYTE
                                            /**/
   BYTE
                                            /**/
   BYTE
                                            /**/
                                            /**/
   BYTE
                                            /**/
   BYTE
   BYTE
   BYTE
                                            /* MSB */
   BYTE
   BYTE
                                            /* LSB */
} ZW_ALARM_REPORT_3BYTE_V2_FRAME;
/* Alarm Report 4byte V2 command class structs */
typedef struct _ZW_ALARM_REPORT_4BYTE_V2_FRAME_
                                            /* The command class */
   BYTE
             cmdClass;
           cmd;
alarmType;
                                            /* The command */
   BYTE
                                            /**/
   BYTE
   BYTE alarmType;
BYTE alarmLevel;
BYTE zensorNetSourceNodeId;
BYTE zwaveAlarmStatus;
BYTE zwaveAlarmType;
BYTE zwaveAlarmEvent;
BYTE numberOfEventParameters;
BYTE eventParameter1;
BYTE eventParameter2;
BYTE eventParameter3;
BYTE eventParameter4;
                                            /**/
                                            /**/
                                            /**/
                                            /**/
                                            /* MSB */
                                           /* LSB */
             eventParameter4;
} ZW_ALARM_REPORT_4BYTE_V2_FRAME;
/***********************
/* Alarm Set V2 command class structs */
typedef struct _ZW_ALARM_SET_V2_FRAME_
          cmdClass;
cmd;
zwaveAlarmType;
zwaveAlarmStatus;
                                           /* The command class */
/* The command */
   BYTE
   BYTE
   BYTE
} ZW_ALARM_SET_V2_FRAME;
/* Alarm Type Supported Get V2 command class structs */
typedef struct _ZW_ALARM_TYPE_SUPPORTED_GET_V2_FRAME_
   BYTE cmdClass;
                                            /* The command class */
                                            /* The command */
              cmd;
} ZW_ALARM_TYPE_SUPPORTED_GET_V2_FRAME;
typedef struct _ZW_ALARM_TYPE_SUPPORTED_REPORT_1BYTE_V2_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE properties1;
BYTE bitMask1;
                                            /* The command class */
                                            /* The command */
                                            /* masked byte */
} ZW_ALARM_TYPE_SUPPORTED_REPORT_1BYTE_V2_FRAME;
typedef struct _ZW_ALARM_TYPE_SUPPORTED_REPORT_2BYTE_V2_FRAME_
           cmdC.
cmd;
pr
                                            /\star The command class \star/
   BYTE
             cmdClass;
                                            /* The command */
   BYTE
             properties1;
                                            /* masked byte */
   BYTE
                                            /* MSB */
             bitMask1;
```

```
bitMask2;
                                     /* LSB */
} ZW_ALARM_TYPE_SUPPORTED_REPORT_2BYTE_V2_FRAME;
typedef struct _ZW_ALARM_TYPE_SUPPORTED_REPORT_3BYTE_V2_FRAME_
                                     /\,^{\star} The command class ^{\star}/\,
          cmdClass;
                                     /* The command */
   BYTE
           cmd:
   BYTE properties1;
BYTE bitMask1;
BYTE bitMask2;
BYTE bitMask3;
                                     /* masked byte */
                                     /* MSB */
                                     /* LSB */
} ZW_ALARM_TYPE_SUPPORTED_REPORT_3BYTE_V2_FRAME;
/* Alarm Type Supported Report 4byte V2 command class structs ^{\star}/
/*************
typedef struct _ZW_ALARM_TYPE_SUPPORTED_REPORT_4BYTE_V2_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
                                     /* The command */
   BYTE
           cmd;
          properties1;
bitMask1;
                                     /* masked byte */
   BYTE
                                     /* MSB */
         bitMask2;
bitMask3;
   BYTE
   BYTE
                                     /* LSB */
           bitMask4:
   BYTE
} ZW_ALARM_TYPE_SUPPORTED_REPORT_4BYTE_V2_FRAME;
typedef struct _ZW_NOTIFICATION_GET_V3_FRAME_
   BYTE
          cmdClass;
                                      /* The command class */
   BYTE
                                     /* The command */
           cmd;
         cma;
v1AlarmType;
notificationType;
meyont:
                                     /**/
   BYTE
   BYTE
   BYTE
           mevent;
} ZW_NOTIFICATION_GET_V3_FRAME;
typedef struct _ZW_NOTIFICATION_REPORT_1BYTE_V3_FRAME_
   BYTE
          cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
           cmd;
                                     /**/
          v1AlarmType;
   BYTE
  vlAlarmLevel;
BYTE reserved;
BYTE notificationStatus;
BYTE notificationType;
BYTE mevent;
BYTE properties1;
BYTE eventParameter1;
BYTE sequenceNumber.
                                     /**/
   BYTE
           v1AlarmLevel;
                                     /**/
                                     /**/
                                     /**/
                                     /* masked byte */
} ZW_NOTIFICATION_REPORT_1BYTE_V3_FRAME;
typedef struct _ZW_NOTIFICATION_REPORT_2BYTE_V3_FRAME
   BYTE
           cmdClass;
                                     /* The command class */
                                     /* The command */
           cmd;
   BYTE
           v1AlarmType;
   BYTE
                                     /**/
           v1AlarmLevel;
   BYTE
                                     /**/
   BYTE
           reserved;
       reserved;

notificationStatus;

notificationType;

mevent;

properties1;

eventParameter1;

eventParameter2;

sequenceNumber;

FICATION REPORT 28VFE V3
                                     /**/
/**/
   BYTE
                                     /**/
   BYTE
                                     /* masked byte */
   BYTE
                                     /* MSB */
   BYTE
                                     /* LSB */
   BYTE
} ZW_NOTIFICATION_REPORT_2BYTE_V3_FRAME;
/* Notification Report 3byte V3 command class structs */
```

```
typedef struct _ZW_NOTIFICATION_REPORT_3BYTE_V3_FRAME_
                                               /* The command class */
    BYTE
              cmdClass;
                                               /* The command */
    BYTE
              cmd;
              v1AlarmType;
                                               /**/
    BYTE
             v1AlarmLevel;
                                               /**/
    BYTE
           vlAlarmLevel;
reserved;
notificationStatus;
notificationType;
mevent;
properties1;
eventParameter1;
eventParameter2;
eventParameter3;
sequenceNumber;
                                               /**/
/**/
    BYTE
                                               /**/
    BYTE
                                               /**/
    BYTE
                                               /* masked byte */
    BYTE
                                               /* MSB */
    BYTE
                                               /* LSB */
    BYTE
BYTE sequenceNumber; 
} ZW_NOTIFICATION_REPORT_3BYTE_V3_FRAME;
/* Notification Report 4byte V3 command class structs */
typedef struct _ZW_NOTIFICATION_REPORT_4BYTE_V3_FRAME_
    BYTE
             cmdClass;
                                               /* The command class */
    BYTE
             cmd;
                                               /* The command */
                                               /**/
            v1AlarmType;
    BYTE
                                               /**/
    BYTE
              v1AlarmLevel;
   BYTE vlAlarmLevel;

BYTE reserved;

BYTE notificationStatus;

BYTE notificationType;

BYTE mevent;

BYTE properties1;

BYTE eventParameter1;

BYTE eventParameter2;

BYTE eventParameter3;

BYTE eventParameter4;

BYTE sequenceNumber;

W NOTIFICATION REPORT 4BYTE V3
                                               /**/
                                               /**/
                                               /**/
                                               /**/
                                               /* masked byte */
                                               /* MSB */
                                              /* LSB */
} ZW_NOTIFICATION_REPORT_4BYTE_V3_FRAME;
/* Notification Set V3 command class structs */
typedef struct _ZW_NOTIFICATION_SET_V3_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE notificationType;
BYTE notificationStatus;
                                               /* The command class */
                                               /* The command */
} ZW_NOTIFICATION_SET_V3_FRAME;
/* Notification Supported Get V3 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_GET_V3_FRAME_
           cmdClass;
                                               /* The command class */
                                               /* The command */
              cmd:
} ZW NOTIFICATION SUPPORTED GET V3 FRAME;
/* Notification Supported Report 1byte V3 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V3_FRAME_
           cmdClass;
    BYTE
                                               /* The command class */
         cmd;
cmd;
properties1;
                                               /* The command */
    BYTE
                                               /* masked byte */
    BYTE
    BYTE
              bitMask1:
} ZW_NOTIFICATION_SUPPORTED_REPORT 1BYTE V3 FRAME;
/* Notification Supported Report 2byte V3 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V3_FRAME_
              cmdClass;
                                               /* The command class */
                                               /* The command */
    BYTE
             cmd;
            properties1;
bitMask1;
                                               /* masked byte */
    BYTE
                                               /* MSB */
    BYTE
                                                /* LSB */
    BYTE
              bitMask2;
} ZW NOTIFICATION SUPPORTED REPORT 2BYTE V3 FRAME;
```

```
/* Notification Supported Report 3byte V3 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V3_FRAME_
                                 /* The command class */
         cmdClass;
  BYTE
         cmd;
                                 /* The command */
                                 /* masked byte */
         properties1;
bitMask1;
  BYTE
                                 /* MSB */
  BYTE
        bitMask2;
  BYTE
                                 /* LSB */
  BYTE
          bitMask3;
} ZW NOTIFICATION SUPPORTED REPORT 3BYTE V3 FRAME;
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V3_FRAME_
                                 /* The command class */
  BYTE
         cmdClass;
                                 /* The command */
         cmd;
  BYTE
         properties1;
                                 /* masked byte */
  BYTE
                                 /* MSB */
  BYTE
         bitMask1;
       bitMask2;
bitMask3;
bitMask4;
  BYTE
  BYTE
                                 /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V3_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_GET_V3_FRAME_
  BYTE
         cmdClass;
                                 /* The command class */
       cmd;
notificationType;
                                /* The command */
  BYTE
} ZW_EVENT_SUPPORTED_GET_V3_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_REPORT_1BYTE_V3_FRAME_
                                /* The command class */
  BYTE
         cmdClass;
                                /* The command */
        cmd;
notificationType;
  BYTE
  BYTE
        properties1;
bitMask1;
                                 /* masked byte */
  BYTE
  BYTE
} ZW_EVENT_SUPPORTED_REPORT_1BYTE_V3_FRAME;
/* Event Supported Report 2byte V3 command class structs */
typedef struct _ZW_EVENT_SUPPORTED_REPORT_2BYTE_V3_FRAME_
                                /* The command class */
  BYTE
          cmdClass;
                                 /* The command */
         cmd;
notificationType;
  BYTE
  BYTE
       properties1;
bitMask1;
                                 /* masked byte */
                                 /* MSB */
  BYTE
  BYTE
         bitMask2:
                                 /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_2BYTE_V3_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_REPORT_3BYTE_V3_FRAME_
  BYTE
         cmdClass;
                                 /* The command class */
                                 /* The command */
  BYTE
         cmd;
         notificationType;
                                /**/
         properties1;
bitMask1;
                                 /* masked byte */
  BYTE
                                 /* MSB */
  BYTE
        bitMask2;
bitMask3;
  BYTE
                                 /* LSB */
  BYTE
} ZW_EVENT_SUPPORTED_REPORT_3BYTE_V3_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_REPORT_4BYTE_V3_FRAME_
```

```
{
   BYTE
           cmdClass;
                                           /\,^{\star} The command class ^{\star}/\,
                                           /* The command */
   BYTE
             cmd;
            notificationType;
                                           /**/
   BYTE
             properties1;
                                           /* masked byte */
   BYTE
                                           /* MSB */
   BYTE
            bitMask1;
          bitMask2;
bitMask3;
bitMask4;
   BYTE
   BYTE
   BYTE
                                           /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_4BYTE_V3_FRAME;
typedef struct _ZW_NOTIFICATION_GET_V4_FRAME_
           cmdClass;
                                           /* The command class */
         cmd;
cmd;
v1AlarmType;
notificationType;
mevent;
   BYTE
                                           /* The command */
                                           /**/
   BYTE
   BYTE
   BYTE
} ZW_NOTIFICATION_GET_V4_FRAME;
/* Notification Report 1byte V4 command class structs */
typedef struct _ZW_NOTIFICATION_REPORT_1BYTE_V4_FRAME_
            cmdClass;
                                           /* The command class */
           cmd;
v1AlarmType;
v1AlarmLevel;
                                           /* The command */
                                           /**/
/**/
   BYTE
   BYTE
   BYTE reserved;
BYTE notificationStatus;
BYTE notificationType;
BYTE mevent;
BYTE properties1;
BYTE eventParameter1;
BYTE sequenceNumber;
                                           /**/
                                          /**/
                                          /**/
                                           /* masked byte */
   BYTE
             sequenceNumber;
} ZW_NOTIFICATION_REPORT_1BYTE_V4_FRAME;
/* Notification Report 2byte V4 command class structs */
typedef struct _ZW_NOTIFICATION_REPORT_2BYTE_V4_FRAME_
   BYTE
                                           /* The command class */
            cmdClass;
   BYTE
                                           /* The command */
            v1AlarmType;
                                          /**/
/**/
   BYTE
   BYTE
            v1AlarmLevel;
reserved;
                                           /**/
   BYTE
        reserved;
notificationStatus;
notificationType;
mevent;
properties1;
eventParameter1;
eventParameter2;
sequenceNumber;
                                          /**/
   BYTE
                                          /**/
   BYTE
                                          /**/
                                          /* masked byte */
/* MSB */
   BYTE
   BYTE
                                          /* LSB */
   BYTE
             sequenceNumber;
} ZW_NOTIFICATION_REPORT_2BYTE_V4_FRAME;
typedef struct _ZW_NOTIFICATION_REPORT_3BYTE_V4_FRAME_
                                           /* The command class */
   BYTE
            cmdClass;
                                           /* The command */
   BYTE
            cmd;
             v1AlarmType;
   BYTE
                                           /**/
   BYTE
            v1AlarmLevel;
                                           /**/
   BYTE
         reserved;
notificationStatus;
notificationType;
mevent;
properties1;
eventParameter1;
eventParameter2;
eventParameter3;
sequenceNumber;
            reserved;
                                          /**/
/**/
   BYTE
                                          /**/
   BYTE
                                           /* masked byte */
   BYTE
                                           /* MSB */
   BYTE
   BYTE
   BYTE
                                           /* LSB */
   BYTE
             sequenceNumber;
} ZW_NOTIFICATION_REPORT_3BYTE_V4_FRAME;
/***********************
```

```
/* Notification Report 4byte V4 command class structs */
typedef struct _ZW_NOTIFICATION_REPORT_4BYTE_V4_FRAME_
                                        /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
   BYTE
            cmd;
                                        /**/
           v1AlarmType;
           v1AlarmLevel;
                                        /**/
/**/
          reserved;
notificationStatus;
notificationType;
mevent;
   BYTE
                                        /**/
   BYTE
                                        /**/
   BYTE
         mevent;
properties1;
eventParameter1;
eventParameter2;
eventParameter3;
eventParameter4;
sequenceNumber;
                                        /**/
   BYTE
                                        /* masked byte */
   BYTE
   BYTE
   BYTE
                                        /* LSB */
   BYTE
} ZW_NOTIFICATION_REPORT_4BYTE_V4_FRAME;
typedef struct _ZW_NOTIFICATION_SET_V4_FRAME_
   BYTE
           cmdClass;
                                        /* The command class */
   BYTE cmd;
BYTE notificationType;
BYTE
                                        /* The command */
            notificationStatus;
} ZW_NOTIFICATION_SET_V4_FRAME;
typedef struct _ZW_NOTIFICATION_SUPPORTED_GET_V4_FRAME
         cmdClass;
                                        /* The command class */
   BYTE
                                        /* The command */
   BYTE
            cmd;
} ZW_NOTIFICATION_SUPPORTED_GET_V4_FRAME;
/* Notification Supported Report 1byte V4 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V4_FRAME_
           cmdClass;
                                        /* The command class */
          cmd;
properties1;
                                        /* The command */
   BYTE
                                        /* masked byte */
   BYTE
            bitMask1;
} ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V4_FRAME;
/* Notification Supported Report 2byte V4 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V4_FRAME_
        cmdClass;
cmd;
properties1;
bitMask1;
bitMask2:
                                        /* The command class */
   BYTE
                                        /* The command */
   BYTE
                                        /* masked byte */
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
            bitMask2;
} ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V4_FRAME;
/* Notification Supported Report 3byte V4 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V4_FRAME_
   BYTE
           cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
         properties1;
bitMask1;
bitMask2;
           cmd;
                                        /* masked byte */
                                        /* MSB */
   BYTE
   BYTE
                                        /* LSB */
   BYTE
            bitMask3;
} ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V4_FRAME;
/* Notification Supported Report 4byte V4 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V4_FRAME
```

```
cmdClass;
                                         /* The command class */
                                         /* The command */
            cmd;
                                         /* masked byte */
   BYTE
            properties1;
                                         /* MSB */
   BYTE
            bitMask1;
   BYTE
            bitMask2;
          bitMask3;
bitMask4;
   BYTE
                                         /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V4_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_GET_V4_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
   BYTE cmd;
RYTE notificationType;
                                        /* The command */
} ZW_EVENT_SUPPORTED_GET_V4_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_REPORT_1BYTE_V4_FRAME_
                                        /* The command class */
/* The command */
/**/
            cmdClass;
        cmd;
cmd;
notificationType;
properties1;
bitMask1;
   BYTE
   BYTE
                                         /* masked byte */
   BYTE
} ZW_EVENT_SUPPORTED_REPORT_1BYTE_V4_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_REPORT_2BYTE_V4_FRAME
           cmdClass;
                                        /\star The command class \star/
   BYTE
          cmd;
notificationType;
                                         /* The command */
   BYTE
         notificationType;
properties1;
bitMask1;
bitMask2;
SUPPOPURE -
   BYTE
                                        /* masked byte */
   BYTE
                                         /* MSB */
} ZW_EVENT_SUPPORTED_REPORT_2BYTE_V4_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_REPORT_3BYTE_V4_FRAME_
            cmdClass;
                                        /* The command class */
   BYTE
        cmd;
notificationType;
properties1;
bitMask1;
bitMask2;
bitMask3;
                                        /* The command */
   BYTE
                                        /**/
   BYTE
                                        /* masked byte */
                                         /* MSB */
   BYTE
   BYTE
                                        /* LSB */
   BYTE
} ZW_EVENT_SUPPORTED_REPORT_3BYTE_V4_FRAME;
/* Event Supported Report 4byte V4 command class structs */
,
typedef struct _ZW_EVENT_SUPPORTED_REPORT_4BYTE_V4_FRAME_
   BYTE
            cmdClass;
                                        /* The command class */
                                        /* The command */
           cmd;
   BYTE
            notificationType;
                                         /**/
         properties1;
bitMask1;
bitMask2;
bitMask3;
bitMask4;
                                         /* masked byte */
   BYTE
                                         /* MSB */
   BYTE
   BYTE
   BYTE
                                        /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_4BYTE_V4_FRAME;
/* Notification Get V5 command class structs */
typedef struct _ZW_NOTIFICATION_GET_V5_FRAME_
           cmdClass;
                                         /* The command class */
   BYTE
                                         /* The command */
   BYTE
            cmd;
            v1AlarmType;
```

```
notificationType;
mevent;
} ZW_NOTIFICATION_GET_V5_FRAME;
/* Notification Report 1byte V5 command class structs */
typedef struct _ZW_NOTIFICATION_REPORT_1BYTE_V5_FRAME_
            cmdClass;
    BYTE
                                                    /* The command class */
             cmd;
v1AlarmType;
                                                    /* The command */
    BYTE
                                                    /**/
    BYTE
   BYTE v1AlarmType;
BYTE v1AlarmLevel;
BYTE reserved;
BYTE notificationStatus;
BYTE notificationType;
BYTE mevent;
BYTE properties1;
BYTE eventParameter1;
BYTE sequenceNumber;
W NOTIFICATION REPORT 18VTE V5 FRAME.
                                                    /**/
                                                     /**/
                                                   /**/
/**/
                                                    /* masked byte */
} ZW_NOTIFICATION_REPORT_1BYTE_V5_FRAME;
/* Notification Report 2byte V5 command class structs */
typedef struct _ZW_NOTIFICATION_REPORT_2BYTE_V5_FRAME_
                                                    /* The command class */
               cmdClass:
    BYTE
                                                    /* The command */
    BYTE
               cmd;
              v1AlarmType;
v1AlarmLevel;
reserved;
                                                     /**/
    BYTE
                                                     /**/
    BYTE
                                                    /**/
    BYTE
    BYTE reserved;
BYTE notificationStatus;
BYTE notificationType;
BYTE mevent;
BYTE properties1;
BYTE eventParameter1;
BYTE eventParameter2;
BYTE sequenceNumber;
                                                    /**/
                                                    /**/
                                                    /* masked byte */
                                                    /* MSB */
                                                     /* LSB */
    BYTE
                sequenceNumber;
} ZW_NOTIFICATION_REPORT_2BYTE_V5_FRAME;
/* Notification Report 3byte V5 command class structs */
typedef struct _ZW_NOTIFICATION_REPORT_3BYTE_V5_FRAME_
          cmdClass;
cmd;
vlAlarmType;
vlAlarmLevel;
reserved;
notificationStatus;
notificationType;
mevent;
properties1;
eventParameter1;
eventParameter2;
eventParameter3;
sequenceNumber;
IFICATION_REPORT_3BYTE_V5_FRAME;
    BYTE
                                                    /* The command class */
    BYTE
                                                    /* The command */
                                                    /**/
/**/
    BYTE
    BYTE
                                                    /**/
    BYTE
                                                    /**/
    BYTE
                                                   /**/
/**/
    BYTE
                                                   BYTE
    BYTE
    BYTE
                                                    /* LSB */
} ZW_NOTIFICATION_REPORT_3BYTE_V5_FRAME;
/* Notification Report 4byte V5 command class structs */
typedef struct _ZW_NOTIFICATION_REPORT_4BYTE_V5_FRAME_
                                                    /* The command class */
/* The command */
               cmdClass;
    BYTE
            cmdClass;
cmd;
v1AlarmType;
v1AlarmTevel;
reserved;
notificationStatus;
notificationType;
mevent;
properties1;
eventParameter1;
eventParameter2;
eventParameter3;
eventParameter4;
sequenceNumber;
    BYTE
                                                    /**/
    BYTE
                                                    /**/
    BYTE
                                                     /**/
                                                    /**/
/**/
    BYTE
    BYTE
    BYTE
    BYTE
                                                    /* masked byte */
                                                    /* MSB */
    BYTE
    BYTE
    BYTE
                                                    /* LSB */
    BYTE
                sequenceNumber;
    BYTE
} ZW_NOTIFICATION_REPORT_4BYTE_V5_FRAME;
```

```
/***********************
typedef struct _ZW_NOTIFICATION_SET_V5_FRAME_
                                      /* The command class */
          cmdClass;
   BYTE
           cmd;
                                     /* The command */
        notificationType;
   BYTE
   BYTE
           notificationStatus;
} ZW_NOTIFICATION_SET_V5_FRAME;
/* Notification Supported Get V5 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_GET_V5_FRAME_
          cmdClass;
cmd;
                                     /* The command class */
                                     /* The command */
} ZW_NOTIFICATION_SUPPORTED_GET_V5_FRAME;
/* Notification Supported Report 1byte V5 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V5_FRAME_
                                     /* The command class */
/* The command */
   BYTE
           cmdClass;
   BYTE
           cmd:
         properties1;
                                     /* masked byte */
            bitMask1;
} ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V5_FRAME;
/* Notification Supported Report 2byte V5 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V5_FRAME
   BYTE
           cmdClass;
                                      /\!\!\!\!\!\!\!^{\star} The command class ^{\star}/\!\!\!\!\!\!\!\!\!\!
                                      /* The command */
   BYTE
           cmd;
          properties1;
bitMask1;
                                      /* masked byte */
   BYTE
                                      /* MSB */
           bitMask2;
} ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V5_FRAME;
/* Notification Supported Report 3byte V5 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V5_FRAME_
   BYTE
                                     /* The command class */
           cmdClass;
                                     /* The command */
   BYTE
           cmd;
         properties1;
bitMask1;
bitMask2;
bitMask3;
                                     /* masked byte */
   BYTE
   BYTE
                                      /* LSB */
   BYTE
} ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V5_FRAME;
/* Notification Supported Report 4byte V5 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V5_FRAME_
                                      /* The command class */
           cmdClass;
                                      /* The command */
           cmd;
   BYTE
           properties1;
                                      /* masked byte */
                                      /* MSB */
   BYTE
           bitMask1;
         bitMask2;
bitMask3;
   RYTE
   BYTE
           bitMask4;
   BYTE
} ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V5_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_GET_V5_FRAME_
          cmdClass;
                                      /* The command class */
        cmd;
   BYTE
                                      /* The command */
           notificationType;
   BYTE
} ZW_EVENT_SUPPORTED_GET_V5_FRAME;
```

```
/* Event Supported Report 1byte V5 command class structs */
typedef struct _ZW_EVENT_SUPPORTED_REPORT_1BYTE_V5_FRAME
   BYTE cmdClass;
BYTE cmd;
BYTE notificationType;
BYTE properties1;
BYTE bitMask1;
                                        /* The command class */
                                        /* The command */
                                        /* masked byte */
} ZW_EVENT_SUPPORTED_REPORT_1BYTE_V5_FRAME;
/* Event Supported Report 2byte V5 command class structs */
typedef struct _ZW_EVENT_SUPPORTED_REPORT_2BYTE_V5_FRAME_
           cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
          cmd;
                                       /**/
/* masked byte */
   BYTE
        notification:;
properties1;
bitMask1;
bitMask2;
           notificationType;
   BYTE
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
} ZW_EVENT_SUPPORTED_REPORT_2BYTE_V5_FRAME;
/* Event Supported Report 3byte V5 command class structs */
typedef struct _ZW_EVENT_SUPPORTED_REPORT_3BYTE_V5_FRAME_
   BYTE
           cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
           cmd;
           notificationType;
properties1;
                                       /**/
   BYTE
                                        /* masked byte */
   BYTE
   BYTE properties1
BYTE bitMask1;
BYTE bitMask2;
BYTE bitMask3;
                                        /* MSB */
                                        /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_3BYTE_V5_FRAME;
/* Event Supported Report 4byte V5 command class structs */
typedef struct _ZW_EVENT_SUPPORTED_REPORT_4BYTE_V5_FRAME_
                                       /* The command class */
/* The command */
   BYTE
            cmdClass;
   BYTE
           cmd;
           notificationType;
                                       /**/
   BYTE
         properties1;
bitMask1;
bitMask2;
bitMask3;
bitMask4.
                                        /* masked byte */
/* MSB */
   BYTE
   BYTE
   BYTE
   BYTE
            bitMask4;
   BYTE
                                        /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_4BYTE_V5_FRAME;
typedef struct _ZW_NOTIFICATION_GET_V6_FRAME_
         cmdClass;
cmd;
v1AlarmType;
notificationType;
mevent;
   BYTE
                                        /* The command class */
                                        /* The command */
   BYTE
                                        /**/
   BYTE
   BYTE
            mevent;
   BYTE
} ZW_NOTIFICATION_GET_V6_FRAME;
typedef struct _ZW_NOTIFICATION_REPORT_1BYTE_V6_FRAME_
           cmdClass;
                                        /* The command class */
   BYTE
                                        /* The command */
           cmd;
v1AlarmType;
v1AlarmLevel;
   BYTE
                                        /**/
   BYTE
                                        /**/
   BYTE
           reserved;
notificationStatus;
                                        /**/
   BYTE
                                       /**/
/**/
   BYTE
          notificationType;
mevent;
properties1;
eventParameter1;
   BYTE
                                        /**/
   BYTE
                                        /* masked byte */
   BYTE
   BYTE
```

```
sequenceNumber;
} ZW_NOTIFICATION_REPORT_1BYTE_V6_FRAME;
/* Notification Report 2byte V6 command class structs */
typedef struct _ZW_NOTIFICATION_REPORT_2BYTE_V6_FRAME
                                          /\,^{\star} The command class ^{\star}/\,
           cmdClass;
                                          /* The command */
   BYTE
            cmd:
            v1AlarmType;
                                          /**/
   BYTE
            v1AlarmLevel;
                                          /**/
   BYTE
                                          /**/
            reserved;
           notificationStatus;
notificationType;
                                          /**/
   BYTE
                                          /**/
   BYTE
        mevent;
properties1;
eventParameter1;
eventParameter2;
sequenceNumber;
                                         /**/
   BYTE
                                         /* masked byte */
   BYTE
   BYTE
                                         /* MSB */
                                         /* LSB */
   BYTE
   BYTE
} ZW_NOTIFICATION_REPORT_2BYTE_V6_FRAME;
/* Notification Report 3byte V6 command class structs */
typedef struct _ZW_NOTIFICATION_REPORT_3BYTE_V6_FRAME_
                                          /* The command class */
            cmdClass:
   BYTE
                                          /* The command */
   BYTE
            cmd;
                                          /**/
/**/
            v1AlarmType;
   BYTE
           v1AlarmLevel;
reserved;
   BYTE
                                          /**/
   BYTE
         reserved;
notificationStatus;
notificationType;
mevent;
properties1;
eventParameter1;
eventParameter2;
eventParameter3;
sequenceNumber;
                                         /**/
   BYTE
                                         /**/
   BYTE
                                         /**/
   BYTE
   BYTE
                                         /* masked byte */
   BYTE
                                         /* MSB */
   BYTE
                                         /* LSB */
   BYTE
             sequenceNumber;
   BYTE
} ZW_NOTIFICATION_REPORT_3BYTE_V6_FRAME;
typedef struct _ZW_NOTIFICATION_REPORT_4BYTE_V6_FRAME_
            cmdClass;
   BYTE
                                          /* The command class */
                                          /* The command */
   BYTE
            cmd;
            v1AlarmType;
                                          /**/
   BYTE
                                          /**/
   BYTE
            v1AlarmLevel;
            reserved;
                                          /**/
   BYTE
            notificationStatus;
                                          /**/
         notificationStatus;
notificationType;
mevent;
properties1;
eventParameter1;
eventParameter3;
eventParameter4;
sequenceNumber;
   BYTE
                                         /**/
                                         /**/
   BYTE
                                         /* masked byte */
   BYTE
                                         /* MSB */
   BYTE
   BYTE
   BYTE
   BYTE
                                         /* LSB */
   BYTE
             sequenceNumber;
} ZW_NOTIFICATION_REPORT_4BYTE_V6_FRAME;
/* Notification Set V6 command class structs */
typedef struct _ZW_NOTIFICATION_SET_V6_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
         cmd;
notificationType;
notificationStatus;
                                         /* The command */
} ZW_NOTIFICATION_SET_V6_FRAME;
^{\prime} Notification Supported Get V6 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_GET_V6_FRAME_
         cmdClass;
   BYTE
                                          /* The command class */
                                          /* The command */
   BYTE
            cmd;
```

```
} ZW NOTIFICATION SUPPORTED GET V6 FRAME;
/* Notification Supported Report lbyte V6 command class struct */
/************************/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V6_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
           cmd;
   BYTE
          properties1;
bitMask1;
                                       /* masked byte */
   RYTE
   BYTE
} ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V6_FRAME;
/ Notification Supported Report 2byte V6 command class struct */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V6_FRAME_
   BYTE
          cmdClass;
                                       /* The command class */
   BYTE
           cmd;
                                       /* The command */
         cma;
properties1;
bitMask1;
bitMask2;
                                       /* masked byte */
   BYTE
                                       /* MSB */
   BYTE
                                       /* LSB */
   BYTE
} ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V6_FRAME;
/* Notification Supported Report 3byte V6 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V6_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                      /* The command */
   BYTE
           cmd;
        properties1;
bitMask1;
bitMask2;
bitMask3;
                                      /* masked byte */
   BYTE
                                       /* MSB */
   BYTE
   BYTE
                                       /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V6_FRAME;
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V6_FRAME_
          cmdClass;
                                      /* The command class */
   BYTE
                                      /* The command */
          cmd;
properties1;
bitMask1;
   BYTE
                                       /* masked byte */
   BYTE
                                       /* MSB */
   BYTE
         bitMask2;
bitMask3;
   BYTE
   BYTE
                                       /* LSB */
   BYTE
           hitMask4:
} ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V6_FRAME;
/* Event Supported Get V6 command class structs */
typedef struct _ZW_EVENT_SUPPORTED_GET_V6_FRAME_
         cmdClass;
                                       /* The command class */
       cmd;
notificationType;
                                      /* The command */
   BYTE
} ZW_EVENT_SUPPORTED_GET_V6_FRAME;
/* Event Supported Report 1byte V6 command class structs */
typedef struct _ZW_EVENT_SUPPORTED_REPORT_1BYTE_V6_FRAME_
         cmdClass;
   BYTE
                                       /* The command class */
        cmdc:
cmd;
notificationType;
properties1;
bitMask1;
                                       /* The command */
   BYTE
                                       /* masked byte */
   BYTE
} ZW_EVENT_SUPPORTED_REPORT_1BYTE_V6_FRAME;
/* Event Supported Report 2byte V6 command class structs */
typedef struct _ZW_EVENT_SUPPORTED_REPORT_2BYTE_V6_FRAME_
        cmdClass;
   BYTE
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
```

```
notificationType;
properties1;
bitMaskl;
   BYTE
                                        /* masked byte */
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
           bitMask2;
} ZW_EVENT_SUPPORTED_REPORT_2BYTE_V6_FRAME;
/* Event Supported Report 3byte V6 command class structs */
typedef struct _ZW_EVENT_SUPPORTED_REPORT_3BYTE_V6_FRAME_
                                        /* The command class */
           cmdClass;
                                        /* The command */
           cmd;
                                        /**/
   BYTE
           notificationType;
         properties1;
bitMask1;
bitMask2;
bitMask3;
                                        /* masked byte */
   BYTE
                                       /* MSB */
   BYTE
   BYTE
                                       /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_3BYTE_V6_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_REPORT_4BYTE_V6_FRAME_
           cmdClass;
                                        /* The command class */
                                       /* The command */
   BYTE
         cmd;
notificationType;
properties1;
bitMask1;
bitMask2;
bitMask3;
bitMask4;
           cmd;
                                       /**/
   BYTE
                                       /* masked byte */
   BYTE
                                        /* MSB */
   BYTE
   BYTE
   BYTE
   BYTE
                                       /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_4BYTE_V6_FRAME;
/* Notification Get V7 command class structs */
typedef struct _ZW_NOTIFICATION_GET_V7_FRAME_
         cmdClass;
                                        /* The command class */
         cmdclass;
cmd;
v1AlarmType;
notificationType;
mevent.
                                       /* The command */
                                       /* */
/**/
   BYTE
   BYTE
   BYTE
            mevent;
} ZW_NOTIFICATION_GET_V7_FRAME;
typedef struct _ZW_NOTIFICATION_REPORT_1BYTE_V7_FRAME_
                                        /* The command class */
                                        /* The command */
                                       /**/
/**/
           v1AlarmType;
   BYTE
   BYTE
           v1AlarmLevel;
         reserved;
notificationStatus;
notificationType;
mevent;
properties1;
eventParameter1;
sequenceNumber;
                                       /**/
   BYTE
                                       /**/
   BYTE
   BYTE
                                       /**/
                                        /**/
   BYTE
                                       /* masked byte */
   BYTE
   BYTE
            sequenceNumber;
   BYTE
} ZW_NOTIFICATION_REPORT_1BYTE_V7_FRAME;
typedef struct _ZW_NOTIFICATION_REPORT_2BYTE V7 FRAME
   BYTE
           cmdClass;
                                        /\,^{\star} The command class ^{\star}/\,
                                        /* The command */
   BYTE
            cmd;
                                        /**/
   BYTE
            v1AlarmType;
                                       /**/
           v1AlarmLevel;
   BYTE
           reserved;
                                        /**/
   BYTE
           notificationStatus;
notificationType;
mevent;
                                       /**/
/**/
   BYTE
   BYTE
   BYTE
          properties1;
                                       /* masked byte */
   BYTE
           properties:,
eventParameter1;
                                       /* MSB */
   BYTE
           eventParameter2;
                                       /* LSB */
```

```
sequenceNumber;
} ZW_NOTIFICATION_REPORT_2BYTE_V7_FRAME;
/* Notification Report 3byte V7 command class structs */
typedef struct _ZW_NOTIFICATION_REPORT_3BYTE_V7_FRAME
                                         /\,^{\star} The command class ^{\star}/\,
   BYTE
            cmdClass;
                                         /* The command */
   RYTE
            cmd:
                                         /**/
            v1AlarmType;
   BYTE
            v1AlarmLevel;
                                         /**/
   BYTE
                                         /**/
            reserved;
                                         /**/
   BYTE
           notificationStatus;
                                         /
/**/
   BYTE
            notificationType;
         mevent;
properties1;
eventParameter1;
eventParameter2;
eventParameter3;
sequenceNumber:
                                         /**/
   BYTE
   BYTE
                                         /* masked byte */
   BYTE
                                         /* MSB */
   BYTE
   BYTE
                                         /* LSB */
   BYTE
            sequenceNumber;
} ZW_NOTIFICATION_REPORT_3BYTE_V7_FRAME;
/* Notification Report 4byte V7 command class structs */
typedef struct _ZW_NOTIFICATION_REPORT_4BYTE_V7_FRAME_
            cmdClass;
                                         /* The command class */
                                         /* The command */
            cmd;
                                         /**/
/**/
   BYTE
            v1AlarmType;
   BYTE
            v1AlarmLevel;
                                         /**/
   BYTE
            reserved;
            notificationStatus;
                                         /**/
   BYTE
           notificationType;
mevent;
                                         /**/
   BYTE
          mevent;
properties1;
eventParameter1;
eventParameter2;
eventParameter3;
eventParameter4;
sequenceNumber.
   BYTE
                                         /**/
   BYTE
                                         /* masked byte */
                                         /* MSB */
   BYTE
   BYTE
   BYTE
                                         /* LSB */
             sequenceNumber;
} ZW_NOTIFICATION_REPORT_4BYTE_V7_FRAME;
/* Notification Set V7 command class structs */
/************************
typedef struct _ZW_NOTIFICATION_SET_V7_FRAME_
                                         /* The command class */
   BYTE
            cmdClass:
                                         /* The command */
   BYTE
            cmd;
         notificationType;
   BYTE
             notificationStatus;
} ZW_NOTIFICATION_SET_V7_FRAME;
typedef struct _ZW_NOTIFICATION_SUPPORTED_GET_V7_FRAME_
           cmdClass;
                                         /* The command class */
   BYTE
                                         /* The command */
   BYTE
            cmd;
} ZW_NOTIFICATION_SUPPORTED_GET_V7_FRAME;
/* Notification Supported Report 1byte V7 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V7_FRAME_
            cmdClass;
                                         /* The command class */
            cmd;
                                         /* masked byte */
            properties1;
   BYTE
   BYTE
             bitMask1;
} ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V7_FRAME;
/* Notification Supported Report 2byte V7 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V7_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
```

```
cmd;
                                    /* The command */
           properties1;
                                    /* masked byte */
   BYTE
                                    /* MSB */
   BYTE
           bitMask1;
                                    /
/* LSB */
   BYTE
           bitMask2;
} ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V7_FRAME;
/* Notification Supported Report 3byte V7 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V7_FRAME_
                                    /* The command class */
          cmdClass;
                                    /* The command */
          cmd;
          properties1;
   BYTE
                                    /* masked byte */
                                    /* MSB */
   BYTE
           bitMask1;
   BYTE
          bitMask2:
                                    /* LSB */
           bitMask3;
   BYTE
} ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V7_FRAME;
/* Notification Supported Report 4byte V7 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V7 FRAME
   BYTE
           cmdClass;
                                    /* The command class */
   BYTE
          cmd;
                                    /* The command */
                                    /* masked byte */
   RYTE
          properties1;
                                    /* MSB */
   BYTE
          bitMask1:
          bitMask2;
   BYTE
          bitMask3;
         bitMask4;
   BYTE
                                    /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V7_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_GET_V7_FRAME_
                                    /* The command class */
   BYTE
           cmdClass:
         cmd;
                                   /* The command */
   BYTE
           notificationType;
} ZW_EVENT_SUPPORTED_GET_V7_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_REPORT_1BYTE_V7_FRAME_
                                    /* The command class */
   BYTE
           cmdClass;
                                    /* The command */
   BYTE
          cmd;
          notificationType;
                                    /**/
   BYTE
         properties1;
                                    /* masked byte */
   BYTE
           bitMask1;
} ZW_EVENT_SUPPORTED_REPORT_1BYTE_V7_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_REPORT_2BYTE_V7_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
   BYTE
          cmd;
          notificationType;
                                    /**/
   BYTE
         properties1;
bitMask1;
                                    /* masked byte */
   BYTE
                                    /* MSB */
          bitMask2;
                                    /* LSB */
   BYTE
} ZW_EVENT_SUPPORTED_REPORT_2BYTE_V7_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_REPORT_3BYTE_V7_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
   BYTE
          cmd;
   BYTE
          notificationType;
                                    /* masked byte */
/* MSB */
   BYTE
          properties1;
   BYTE
           bitMask1;
          bitMask2;
   RYTE
                                    /* LSB */
   BYTE
           bitMask3;
} ZW EVENT SUPPORTED REPORT 3BYTE V7 FRAME;
```

```
/************************
/* Event Supported Report 4byte V7 command class structs */
typedef struct _ZW_EVENT_SUPPORTED_REPORT_4BYTE_V7_FRAME_
            cmdClass;
                                               /* The command class */
   BYTE cmdClass;
BYTE cmd;
BYTE cmd;
BYTE notificationType;
BYTE properties1;
BYTE bitMask1;
BYTE bitMask2;
BYTE bitMask3;
BYTE bitMask4;
                                             /* The command cla
/* The command */
/**/
/* masked byte */
/* MSB */
                                               /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_4BYTE_V7_FRAME;
/* Notification Get V8 command class structs */
/*********************
typedef struct _ZW_NOTIFICATION_GET_V8_FRAME_
                                               /* The command class */
             cmdClass;
    BYTE
         cmd;
cmd;
v1AlarmType;
notificationType;
mevent;
                                               /* The command */
    BYTE
                                               /**/
    BYTE
                                               /**/
   BYTE
} ZW_NOTIFICATION_GET_V8_FRAME;
typedef struct _ZW_NOTIFICATION_REPORT_1BYTE_V8_FRAME_
    BYTE
             cmdClass;
                                               /* The command class */
   BYTE cmdClass;
BYTE ccmd;
BYTE cvd,
BYTE v1AlarmType;
BYTE v1AlarmLevel;
BYTE reserved;
BYTE notificationStatus;
BYTE notificationType;
BYTE mevent;
BYTE properties1;
BYTE eventParameter1;
BYTE sequenceNumber;
W NOTIFICATION BEPORT 1877E V8 FRAME
                                               /* The command */
                                               /**/
                                               /**/
                                               /**/
                                               /**/
                                              /**/
                                               /* masked byte */
} ZW_NOTIFICATION_REPORT_1BYTE_V8_FRAME;
/* Notification Report 2byte V8 command class structs */
typedef struct _ZW_NOTIFICATION_REPORT_2BYTE_V8_FRAME_
   BYTE cmdClass;
EYTE cmd;
BYTE v1AlarmType;
BYTE v1AlarmLevel;
BYTE reserved;
BYTE notificationStatus;
BYTE mevent;
BYTE properties1;
BYTE eventParameter1;
BYTE eventParameter2;
BYTE sequenceNumber;
                                               /* The command class */
                                               /* The command */
                                               /**/
/**/
/**/
                                               /**/
                                               /**/
                                               /**/
                                              /* LSB */
              sequenceNumber;
} ZW_NOTIFICATION_REPORT_2BYTE_V8_FRAME;
typedef struct _ZW_NOTIFICATION_REPORT_3BYTE V8 FRAME
    BYTE
              cmdClass;
                                               /\,^{\star} The command class ^{\star}/\,
            cmd;
v1AlarmType;
                                                /* The command */
    BYTE
                                               /**/
    BYTE
             v1AlarmLevel;
reserved;
                                               /**/
    BYTE
                                               /**/
    BYTE
            notificationStatus;
notificationType;
mevent;
properties1;
eventParameter1;
                                             /**/
/**/
/**/
    BYTE
    BYTE
    BYTE
                                               /* masked byte */
    BYTE
                                              /* MSB */
    BYTE
             eventParameter2;
    BYTE
```

```
eventParameter3;
sequenceNumber;
                                           /* LSB */
} ZW_NOTIFICATION_REPORT_3BYTE_V8_FRAME;
/* Notification Report 4byte V8 command class structs */
typedef struct _ZW_NOTIFICATION_REPORT_4BYTE_V8_FRAME_
   BYTE
                                           /* The command class */
            cmdClass;
           cmd;
v1AlarmType;
                                          /* The command */
   BYTE
                                          /**/
   BYTE
            v1AlarmLevel;
                                           /**/
   BYTE v1AlarmLevel;
BYTE reserved;
BYTE notificationStatus;
BYTE notificationType;
BYTE mevent;
BYTE properties1;
BYTE eventParameter1;
BYTE eventParameter3;
BYTE eventParameter3;
BYTE eventParameter4;
BYTE sequenceNumber;
                                           /**/
                                          /**/
/**/
                                          /* masked byte */
                                          /* LSB */
             sequenceNumber;
   BYTE
} ZW NOTIFICATION REPORT 4BYTE V8 FRAME;
/* Notification Set V8 command class structs */
typedef struct _ZW_NOTIFICATION_SET_V8_FRAME_
   BYTE
            cmdClass;
                                          /* The command class */
   BYTE cmd;
BYTE notificationType;
BYTE notificationType;
                                          /* The command */
} ZW_NOTIFICATION_SET_V8_FRAME;
/* Notification Supported Get V8 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_GET_V8_FRAME
                                          /* The command class */
/* The command */
          cmdClass;
cmd;
} ZW_NOTIFICATION_SUPPORTED_GET_V8_FRAME;
/* Notification Supported Report 1byte V8 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V8_FRAME_
          cmdClass;
                                          /* The command class */
   BYTE
          cmd;
properties1;
bitMask1;
                                           /* The command */
   BYTE
                                          /* masked byte */
} ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V8_FRAME;
/* Notification Supported Report 2byte V8 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V8_FRAME_
            cmdClass;
                                          /* The command class */
   BYTE
          cmd;
properties1;
bitMask1;
bitMask2;
                                           /* The command */
   BYTE
                                           /* masked byte */
   BYTE
} ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V8_FRAME;
/st Notification Supported Report 3byte V8 command class structs st/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V8_FRAME_
          cmdClass;
cmd;
properties1;
bitMask1;
bitMask2;
bitMask3;
                                           /* The command class */
   BYTE
                                           /* The command */
   BYTE
                                           /* masked byte */
   BYTE
                                           /* MSB */
   BYTE
   BYTE
                                           /* LSB */
   BYTE
} ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V8_FRAME;
```

```
/* Notification Supported Report 4byte V8 command class structs */
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V8_FRAME_
                                  /* The command class */
   BYTE
          cmdClass;
         cmd;
                                  /* The command */
  BYTE
          properties1;
                                  /* masked byte */
                                  /* MSB */
   BYTE
          bitMask1;
         bitMask2;
  BYTE
        bitMask3;
  BYTE
                                  /* LSB */
  BYTE
          bitMask4;
} ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V8_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_GET_V8_FRAME_
                                  /* The command class */
/* The command */
   BYTE
          cmdClass;
  BYTE cmd;
          notificationType;
  BYTE
} ZW_EVENT_SUPPORTED_GET_V8_FRAME;
/* Event Supported Report 1byte V8 command class structs */
typedef struct _ZW_EVENT_SUPPORTED_REPORT_1BYTE_V8_FRAME_
                                 /* The command class */
/* The command */
          cmdClass;
        cmd;
notificationType;
   BYTE
  BYTE
                                  /* masked byte */
  BYTE properties1;
BYTE bitMask1;
} ZW_EVENT_SUPPORTED_REPORT_1BYTE_V8_FRAME;
/* Event Supported Report 2byte V8 command class structs */
typedef struct _ZW_EVENT_SUPPORTED_REPORT_2BYTE_V8_FRAME_
          cmdClass;
                                  /* The command class */
                                  /* The command */
  BYTE
          cmd;
         notificationType;
                                  /**/
  BYTE
                                  /* masked byte */
        properties1;
bitMask1;
bitMask2;
   BYTE
                                  /* MSB */
  BYTE
                                  /* LSB */
  BYTE
} ZW_EVENT_SUPPORTED_REPORT_2BYTE_V8_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_REPORT_3BYTE_V8_FRAME_
                                  /\star The command class \star/
  BYTE
         cmdClass;
                                  /* The command */
  BYTE
          cmd;
         notificationType;
                                  /**/
  BYTE
         properties1;
bitMask1;
                                  /* masked byte */
  BYTE
   BYTE
                                  /* MSB */
   BYTE
       bitMask2;
  BYTE
          bitMask3;
                                  /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_3BYTE_V8_FRAME;
typedef struct _ZW_EVENT_SUPPORTED_REPORT_4BYTE_V8_FRAME_
  BYTE
          cmdClass;
                                  /* The command class */
                                  /* The command */
  BYTE
          cmd;
          notificationType;
                                  /**/
                                  /* masked byte */
/* MSB */
          properties1;
   BYTE
  BYTE
          bitMask1;
        bitMask2;
bitMask3;
bitMask4;
   BYTE
  BYTE
  BYTE
                                  /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_4BYTE_V8_FRAME;
```

```
typedef struct _ZW_APPLICATION_BUSY_FRAME_
           cmdClass;
                                           /* The command class */
   BYTE
                                           /* The command */
          cmd;
status;
waitTime;
   BYTE
                                           /*The status field*/
   BYTE
   BYTE
} ZW_APPLICATION_BUSY_FRAME;
typedef struct _ZW_APPLICATION_REJECTED_REQUEST_FRAME
           cmdClass;
                                          /* The command class */
                                          /* The command */
/**/
         cmd;
   BYTE
   BYTE
             status;
} ZW_APPLICATION_REJECTED_REQUEST_FRAME;
/*Command Configuration Get command class structs */
typedef struct _ZW_COMMAND_CONFIGURATION_GET_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE groupingIdentifier;
BYTE nodeId:
                                           /* The command class */
                                          /* The command */
                                           /**/
   BYTE
             nodeId;
} ZW COMMAND CONFIGURATION GET FRAME;
typedef struct _ZW_COMMAND_CONFIGURATION_REPORT_1BYTE_FRAME_
                                          /* The command class */
/* The command */
            cmdClass;
   BYTE
           cmd;
        cmd;
groupingIdentifier;
nodeId;
properties1;
commandLength;
commandClassIdentifier;
commandIdentifier;
commandByte1;
                                          /**/
   BYTE
                                          /**/
   BYTE
                                          /* masked byte */
   BYTE
   BYTE
   BYTE
   BYTE
} ZW_COMMAND_CONFIGURATION_REPORT_1BYTE_FRAME;
/* Command Configuration Report 2byte command class structs */
typedef struct _ZW_COMMAND_CONFIGURATION_REPORT_2BYTE_FRAME_
           cmdClass;
                                          /* The command class */
   BYTE
        cmdClass; /* The cor
cmd; /* The cor
groupingIdentifier; /**/
nodeId; /**/
properties1; /* masked
commandLength; /**/
commandClassIdentifier; /**/
commandByte1; /* MSB */
commandByte2; /* MSB */
MAND CONFIGURATION REPORT 2BYTE FRAME:
                                          /* The command */
   BYTE
   BYTE
                                          /* masked byte */
   BYTE
   BYTE
   BYTE
   BYTE
} ZW_COMMAND_CONFIGURATION_REPORT_2BYTE_FRAME;
typedef struct _ZW_COMMAND_CONFIGURATION_REPORT_3BYTE_FRAME_
           cmdClass;
                                          /* The command class */
   BYTE
           cmd;
groupingIdentifier;
nodeId;
                                           /* The command */
   BYTE
                                          /**/
   BYTE
        nodeId;
properties1;
commandLength;
commandClassIdentifier;
commandIdentifier;
commandByte1;
commandByte2;
commandByte3:
                                          /**/
                                           /* masked byte */
   BYTE
   BYTE
                                          /**/
   BYTE
   BYTE
                                          /* MSB */
   BYTE
   BYTE
                                         /* LSB */
   BYTE
} ZW_COMMAND_CONFIGURATION_REPORT_3BYTE_FRAME;
```

```
/st Command Configuration Report 4byte command class structs st/
typedef struct _ZW_COMMAND_CONFIGURATION_REPORT_4BYTE_FRAME_
                                              /* The command class */
    BYTE
             cmdClass;
                                              /* The command */
           cmd;
groupingIdentifier;
nodeId;
properties1;
commandLength;
commandClassIdentifier;
commandIdentifier;
commandByte1;
commandByte2;
commandByte3;
commandByte4;
   BYTE
             cmd;
                                             /**/
                                             /**/
                                              /* masked byte */
   BYTE
   BYTE
                                             /**/
   BYTE
   BYTE
                                             /* MSB */
    BYTE
   BYTE
                                              /* LSB */
BYTE commandByte4; /*
} ZW_COMMAND_CONFIGURATION_REPORT_4BYTE_FRAME;
/* Command Configuration Set 1byte command class structs */
typedef struct _ZW_COMMAND_CONFIGURATION_SET_1BYTE_FRAME_
           cmdClass;
    BYTE
                                              /* The command class */
   BYTE
         cmd;
  groupingIdentifier;
  nodeId;
  commandLength;
  commandClassIdentifier;
  commandIdentifier;
  commandByte1;
             cmd;
                                              /* The command */
                                              /**/
    BYTE
                                              /**/
/**/
   BYTE
   BYTE
   BYTE
} ZW_COMMAND_CONFIGURATION_SET_1BYTE_FRAME;
/* Command Configuration Set 2byte command class structs */
typedef struct _ZW_COMMAND_CONFIGURATION_SET_2BYTE_FRAME_
                                              /* The command class */
    BYTE
             cmdClass;
                                              /* The command */
   BYTE
             cmd;
          cmd;
groupingIdentifier;
nodeId;
commandLength;
commandClassIdentifier;
commandIdentifier;
commandByte1;
commandByte2;
                                              /**/
                                              /**/
                                              /**/
   BYTE
                                              /**/
   BYTE
   BYTE
                                              /* MSB */
    BYTE
              commandByte2;
} ZW_COMMAND_CONFIGURATION_SET_2BYTE_FRAME;
typedef struct _ZW_COMMAND_CONFIGURATION_SET_3BYTE_FRAME_
            cmdClass;
cmd;
                                              /* The command class */
   BYTE
                                              /* The command */
   BYTE
           cmd;
groupingIdentifier;
nodeId;
commandLength;
commandClassIdentifier;
commandIdentifier;
commandByte1;
commandByte2;
commandByte3;
   BYTE
                                              /**/
   BYTE
   BYTE
                                              /**/
                                              /
/**/
    BYTE
   BYTE
                                              /* MSB */
    BYTE
   BYTE
              commandByte3;
                                             /* LSB */
   BYTE
} ZW COMMAND CONFIGURATION SET 3BYTE FRAME;
typedef struct _ZW_COMMAND_CONFIGURATION_SET_4BYTE_FRAME_
             cmdClass;
                                              /* The command class */
   BYTE
                                              /* The command */
   BYTE
             cmd;
            groupingIdentifier;
nodeId;
    BYTE
                                              /**/
   BYTE
             nodeId;
commandLength;
commandClassIdentifier;
                                              /**/
    BYTE
    BYTE
                                              /**/
             commandIdentifier;
commandByte1;
   BYTE
                                              /* MSB */
    BYTE
             commandByte2;
    BYTE
    BYTE
             commandByte3;
```

```
commandByte4;
                                   /* LSB */
} ZW_COMMAND_CONFIGURATION_SET_4BYTE_FRAME;
/* Command Records Supported Get command class structs */
typedef struct _ZW_COMMAND_RECORDS_SUPPORTED_GET_FRAME
        cmdClass;
                                   /\,^{\star} The command class ^{\star}/\,
                                   /* The command */
   BYTE
           cmd:
} ZW_COMMAND_RECORDS_SUPPORTED_GET_FRAME;
/* Command Records Supported Report command class structs */
typedef struct _ZW_COMMAND_RECORDS_SUPPORTED_REPORT_FRAME_
          cmdClass;
                                   /* The command class */
                                   /* The command */
   BYTE
          cmd;
         properties1;
freeCommandRecords1;
freeCommandRecords2;
                                   /* masked byte */
/* MSB */
/* LSB */
   BYTE
   BYTE
   BYTE
       maxCommandRecords1;
maxCommandRecords2;
                                   /* MSB */
   BYTE
} ZW COMMAND RECORDS SUPPORTED REPORT FRAME;
/* Association Get command class structs */
typedef struct _ZW_ASSOCIATION_GET_FRAME_
                                   /* The command class */
   BYTE
          cmdClass;
                                   /* The command */
   BYTE
        cmd;
           groupingIdentifier;
   BYTE
} ZW_ASSOCIATION_GET_FRAME;
/* Association Groupings Get command class structs */
typedef struct _ZW_ASSOCIATION_GROUPINGS_GET_FRAME_
         cmdClass;
                                   /* The command class */
                                   /* The command */
} ZW_ASSOCIATION_GROUPINGS_GET_FRAME;
/* Association Groupings Report command class structs */
typedef struct _ZW_ASSOCIATION_GROUPINGS_REPORT_FRAME_
          cmdClass;
                                   /* The command class */
   BYTE
        cmd;
                                   /* The command */
   BYTE
           supportedGroupings;
} ZW_ASSOCIATION_GROUPINGS_REPORT_FRAME;
typedef struct _ZW_ASSOCIATION_REMOVE_1BYTE_FRAME_
         cmdClass;
                                   /* The command class */
   BYTE
        cmd;
groupingIdentifier;
                                   /* The command */
   BYTE
   BYTE
           nodeId1;
   BYTE
} ZW ASSOCIATION REMOVE 1BYTE FRAME;
typedef struct _ZW_ASSOCIATION_REMOVE_2BYTE_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
                                   /* The command */
  BYTE
          cmd;
         groupingIdentifier;
nodeId1;
nodeId2;
   BYTE
                                   /* MSB */
   BYTE
                                   /* LSB */
   BYTE
           nodeId2;
} ZW_ASSOCIATION_REMOVE_2BYTE_FRAME;
```

```
typedef struct _ZW_ASSOCIATION_REMOVE_3BYTE_FRAME_
            cmdClass;
   BYTE
                                           /* The command class */
           cmd;
cmd;
groupingIdentifier;
nodeId1;
nodeId2;
nodeId3;
                                           /* The command */
   BYTE
   BYTE
                                           /* MSB */
   BYTE
             nodeId3;
                                          /* LSB */
} ZW_ASSOCIATION_REMOVE_3BYTE_FRAME;
/* Association Remove 4byte command class structs */
typedef struct _ZW_ASSOCIATION_REMOVE_4BYTE_FRAME_
         cmdClass;
cmd;
groupingIdentifier;
nodeId1;
nodeId2;
nodeId3;
nodeId4.
   BYTE
                                           /* The command class */
                                          /* The command */
   BYTE
   BYTE
                                           /**/
   BYTE
                                           /* MSB */
   BYTE
   BYTE
                                          /* LSB */
             nodeId4;
   BYTE
} ZW_ASSOCIATION_REMOVE_4BYTE_FRAME;
/* Association Report 1byte command class structs */
typedef struct _ZW_ASSOCIATION_REPORT_1BYTE_FRAME_
          cmdClass;
cmd;
groupingIdentifier;
maxNodesSupported;
reportsToFollow;
nodeid1;
                                           /* The command class */
/* The command */
/**/
   BYTE
   BYTE
                                           /**/
   BYTE
   BYTE
   BYTE
} ZW ASSOCIATION REPORT 1BYTE FRAME;
typedef struct _ZW_ASSOCIATION_REPORT_2BYTE_FRAME_
        cmdClass;
cmd;
groupingIdentifier;
maxNodesSupported;
reportsToFollow;
nodeid1;
nodeid2;
   BYTE
                                           /\star The command class \star/
                                           /* The command */
   BYTE
                                           /**/
   BYTE
                                           /**/
   BYTE
                                           /**/
   BYTE
                                           /* MSB */
                                           /* LSB */
   BYTE
} ZW_ASSOCIATION_REPORT_2BYTE_FRAME;
/* Association Report 3byte command class structs */
typedef struct _ZW_ASSOCIATION_REPORT_3BYTE_FRAME_
          cmdClass;
cmd;
groupingIdentifier;
maxNodesSupported;
reportsToFollow;
nodeid1;
nodeid2;
nodeid3:
                                           /* The command class */
   BYTE
                                           /* The command */
   BYTE
                                           /**/
/**/
   BYTE
   BYTE
   BYTE
                                           /* MSB */
   BYTE
   BYTE
                                           /* LSB */
             nodeid3;
   BYTE
} ZW ASSOCIATION REPORT 3BYTE FRAME;
typedef struct _ZW_ASSOCIATION_REPORT_4BYTE_FRAME_
   BYTE
            cmdClass;
                                           /* The command class */
                                           /* The command */
   BYTE
            cmd;
           groupingIdentifier;
maxNodesSupported;
   BYTE
                                           /**/
   BYTE
           reportsToFollow;
nodeid1;
                                           /**/
   BYTE
   BYTE
                                           /* MSB */
           nodeid2;
nodeid3;
   BYTE
   BYTE
                                           /* LSB */
   BYTE
             nodeid4;
} ZW_ASSOCIATION_REPORT_4BYTE_FRAME;
```

```
/***********************
/* Association Set 1byte command class structs */
typedef struct _ZW_ASSOCIATION_SET_1BYTE_FRAME_
                                   /* The command class */
         cmdClass;
       cmd;
groupingIdentifier;
                                   /* The command */
/**/
   BYTE
   BYTE
           nodeId1;
} ZW_ASSOCIATION_SET_1BYTE_FRAME;
typedef struct _ZW_ASSOCIATION_SET_2BYTE_FRAME_
          cmdClass;
                                   /* The command class */
        groupingIdentifier;
nodeId1;
         cmd;
                                   /* The command */
   BYTE
                                  /**/
/* MSB */
   BYTE
   BYTE
                                   /* LSB */
           nodeId2;
   BYTE
} ZW_ASSOCIATION_SET_2BYTE_FRAME;
typedef struct _ZW_ASSOCIATION_SET_3BYTE_FRAME_
                                  /* The command class */
/* The command */
/**/
        cmdClass;
cmd;
groupingIdentifier;
nodeId1;
nodeId2;
nodeId2;
   BYTE
   BYTE
                                   /* MSB */
   BYTE
   BYTE
           nodeId3;
                                   /* LSB */
   BYTE
} ZW_ASSOCIATION_SET_3BYTE_FRAME;
typedef struct _ZW_ASSOCIATION_SET_4BYTE_FRAME_
         cmdClass;
cmd;
   BYTE
                                   /* The command class */
                                   /* The command */
   BYTE
       cmd;
groupingIdentifier;
nodeId1;
nodeId2;
nodeId3;
nodeId4.
   BYTE
                                   /* MSB */
   BYTE
   BYTE
                                  /* LSB */
   BYTE
           nodeId4;
} ZW_ASSOCIATION_SET_4BYTE_FRAME;
typedef struct _ZW_ASSOCIATION_GET_V2_FRAME_
        cmdClass;
cmd;
groupingIdentifier;
   BYTE
                                   /* The command class */
                                   /* The command */
} ZW_ASSOCIATION_GET_V2_FRAME;
/* Association Groupings Get V2 command class structs */
typedef struct _ZW_ASSOCIATION_GROUPINGS_GET_V2_FRAME_
       cmdClass;
                                   /* The command class */
/* The command */
   BYTE
   BYTE
          cmd:
} ZW_ASSOCIATION_GROUPINGS_GET_V2_FRAME;
typedef struct _ZW_ASSOCIATION_GROUPINGS_REPORT_V2_FRAME_
          cmdClass;
                                   /* The command class */
                                   /* The command */
         cmd;
           supportedGroupings;
} ZW_ASSOCIATION_GROUPINGS_REPORT_V2_FRAME;
```

```
/* Association Remove 1byte V2 command class structs */
typedef struct _ZW_ASSOCIATION_REMOVE_1BYTE_V2_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
          cmd;
groupingIdentifier;
nodeId1;
                                        /* The command */
   BYTE
} ZW_ASSOCIATION_REMOVE_1BYTE_V2_FRAME;
/* Association Remove 2byte V2 command class structs */
typedef struct _ZW_ASSOCIATION_REMOVE_2BYTE_V2_FRAME_
        cmdClass;
cmd;
groupingIdentifier;
nodeId1;
nodeId2;
                                        /* The command class */
/* The command */
   BYTE
   BYTE
   BYTE
                                        /**/
                                        /* MSB */
   BYTE
   BYTE
                                        /* LSB */
} ZW_ASSOCIATION_REMOVE_2BYTE_V2_FRAME;
/* Association Remove 3byte V2 command class structs */
typedef struct _ZW_ASSOCIATION_REMOVE_3BYTE_V2_FRAME_
                                        /* The command class */
   BYTE
            cmdClass:
                                        /* The command */
   BYTE
            cmd;
          groupingIdentifier;
nodeId1;
nodeId2;
   BYTE
   BYTE
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
            nodeId3;
} ZW_ASSOCIATION_REMOVE_3BYTE_V2_FRAME;
/\star Association Remove 4byte V2 command class structs \star/
typedef struct _ZW_ASSOCIATION_REMOVE_4BYTE_V2_FRAME_
                                         /* The command class */
            cmdClass;
          cmaclass;
cmd;
groupingIdentifier;
nodeId1;
nodeId2;
nodeId3;
nodeId4;
                                        /* The command */
/**/
   BYTE
                                         /* MSB */
   BYTE
   BYTE
   BYTE
            nodeId4;
                                        /* LSB */
} ZW_ASSOCIATION_REMOVE_4BYTE_V2_FRAME;
typedef struct _ZW_ASSOCIATION_REPORT_1BYTE_V2_FRAME_
        cmdClass;
cmd;
groupingIdentifier;
maxNodesSupported;
reportsToFollow;
nodeid1;
                                         /\star The command class \star/
   BYTE
                                        /* The command */
   BYTE
                                        /**/
   BYTE
   BYTE
   BYTE
} ZW_ASSOCIATION_REPORT_1BYTE_V2_FRAME;
/* Association Report 2byte V2 command class structs */
typedef struct _ZW_ASSOCIATION_REPORT_2BYTE_V2_FRAME_
         cmdClass;
cmd;
groupingIdentifier;
maxNodesSupported;
reportsToFollow;
nodeid1;
nodeid2;
          cmdClass;
                                        /* The command class */
   BYTE
                                        /* The command */
   BYTE
                                        /**/
   BYTE
                                        /**/
                                         /**/
   BYTE
                                         /* MSB */
   BYTE
                                         /* LSB */
   BYTE
} ZW_ASSOCIATION_REPORT_2BYTE_V2_FRAME;
/* Association Report 3byte V2 command class structs */
typedef struct _ZW_ASSOCIATION_REPORT_3BYTE_V2_FRAME_
```

```
cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
          cmd;
                                    /**/
/**/
   BYTE
           groupingIdentifier;
          maxNodesSupported;
reportsToFollow;
   BYTE
   BYTE
         nodeid1;
nodeid2;
   BYTE
                                    /* MSB */
   BYTE
           nodeid3;
                                    /* LSB */
} ZW_ASSOCIATION_REPORT_3BYTE_V2_FRAME;
/* Association Report 4byte V2 command class structs */
typedef struct _ZW_ASSOCIATION_REPORT_4BYTE_V2_FRAME_
                                    /* The command class */
/* The command */
   BYTE
          cmdClass;
   BYTE
         BYTE
                                   /**/
        maxNodesSupported
reportsToFollow;
nodeid1;
nodeid2;
nodeid3;
nodeid4
   BYTE
                                   /**/
   BYTE
                                    /**/
                                    /* MSB */
   BYTE
   BYTE
   BYTE
                                    /* LSB */
           nodeid4;
} ZW ASSOCIATION REPORT 4BYTE V2 FRAME;
typedef struct _ZW_ASSOCIATION_SET_1BYTE_V2_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
         cmd;
groupingIdentifier;
nodoId1;
   BYTE
           nodeId1;
   BYTE
} ZW_ASSOCIATION_SET_1BYTE_V2_FRAME;
typedef struct _ZW_ASSOCIATION_SET_2BYTE_V2_FRAME_
        cmdClass;
cmd;
groupingIdentifier;
nodeIdl;
nodeId2;
   BYTE
                                    /* The command class */
                                    /* The command */
  BYTE
                                   /**/
   BYTE
                                    /* MSB */
   BYTE
                                    /* LSB */
           nodeId2;
} ZW_ASSOCIATION_SET_2BYTE_V2_FRAME;
typedef struct _ZW_ASSOCIATION_SET_3BYTE_V2_FRAME_
          cmdClass;
   BYTE
                                    /\star The command class \star/
                                    /* The command */
  BYTE
          cmd;
        cma;
groupingIdentifier;
nodeId1;
nodeId2;
nodeId3;
   BYTE
                                    /* MSB */
   BYTE
   BYTE
   BYTE
                                    /* LSB */
} ZW_ASSOCIATION_SET_3BYTE_V2_FRAME;
typedef struct _ZW_ASSOCIATION_SET_4BYTE_V2_FRAME_
        cmdClass;
cmd;
groupingIdentifier;
nodeId1;
nodeId2;
nodeId3;
nodeId4;
                                    /* The command class */
   BYTE
                                    /* The command */
   BYTE
   BYTE
                                    /* MSB */
   BYTE
   BYTE
                                    /* LSB */
   BYTE
} ZW_ASSOCIATION_SET_4BYTE_V2_FRAME;
/* Association Specific Group Get V2 command class structs */
typedef struct _ZW_ASSOCIATION_SPECIFIC_GROUP_GET_V2_FRAME_
```

```
cmdClass;
                                     /* The command class */
                                     /* The command */
} ZW ASSOCIATION SPECIFIC GROUP GET V2 FRAME;
  /* Association Specific Group Report V2 command class structs */
typedef struct _ZW_ASSOCIATION_SPECIFIC_GROUP_REPORT_V2_FRAME_
   BYTE
           cmdClass:
                                     /* The command class */
         cmd;
                                    /* The command */
   BYTE
   BYTE
           group;
} ZW ASSOCIATION SPECIFIC GROUP REPORT V2 FRAME;
typedef struct _ZW_AV_CONTENT_BROWSE_MD_BY_LETTER_GET FRAME
         cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
           cmd:
} ZW_AV_CONTENT_BROWSE_MD_BY_LETTER_GET_FRAME;
/* Av Content Browse Md By Letter Report command class structs */
typedef struct _ZW_AV_CONTENT_BROWSE_MD_BY_LETTER_REPORT_FRAME_
         cmdClass;
cmd;
                                    /* The command class */
                                     /* The command */
} ZW_AV_CONTENT_BROWSE_MD_BY_LETTER_REPORT_FRAME;
^{\prime} ^{\prime} Av Content Browse Md Child Count Get command class structs ^{\star}/
typedef struct ZW AV CONTENT BROWSE MD CHILD COUNT GET FRAME
         cmdClass;
                                     /\,^{\star} The command class ^{\star}/\,
   BYTE
                                     /* The command */
   BYTE
           cmd:
} ZW_AV_CONTENT_BROWSE_MD_CHILD_COUNT_GET_FRAME;
/* Av Content Browse Md Child Count Report command class structs */
typedef struct _ZW_AV_CONTENT_BROWSE_MD_CHILD_COUNT_REPORT_FRAME_
        cmdClass;
cmd;
                                    /* The command class */
                                    /* The command */
} ZW_AV_CONTENT_BROWSE_MD_CHILD_COUNT_REPORT_FRAME;
/* Av Content Browse Md Get command class structs */
typedef struct _ZW_AV_CONTENT_BROWSE_MD_GET_FRAME_
         cmdClass;
                                    /* The command class */
   BYTE
                                    /* The command */
   BYTE
           cmd:
} ZW AV CONTENT BROWSE MD GET FRAME;
./* Av Content Browse Md Report command class structs */
typedef struct _ZW_AV_CONTENT_BROWSE_MD_REPORT FRAME
        cmdClass;
                                    /* The command class */
                                    /* The command */
           cmd;
} ZW_AV_CONTENT_BROWSE_MD_REPORT_FRAME;
/* Av Match Item To Renderer Md Get command class structs ^{\star}/
typedef struct _ZW_AV_MATCH_ITEM_TO_RENDERER_MD_GET_FRAME_
        cmdClass;
cmd;
                                    /* The command class */
   BYTE
                                     /* The command */
   BYTE
} ZW AV MATCH ITEM TO RENDERER MD GET FRAME;
typedef struct ZW AV MATCH ITEM TO RENDERER MD REPORT FRAME
```

```
cmdClass;
  BYTE
                                  /\,^{\star} The command class ^{\star}/\,
                                  /* The command */
          cmd;
  BYTE
} ZW_AV_MATCH_ITEM_TO_RENDERER_MD_REPORT_FRAME;
/* Av Content Search Md Get command class structs */
typedef struct _ZW_AV_CONTENT_SEARCH_MD_GET_FRAME_
         cmdClass;
                                  /* The command class */
  BYTE
                                  /* The command */
  BYTE
           cmd;
} ZW AV CONTENT SEARCH MD GET FRAME;
/* Av Content Search Md Report command class structs */
typedef struct _ZW_AV_CONTENT_SEARCH_MD_REPORT_FRAME_
        cmdClass;
cmd;
                                  /* The command class */
  BYTE
                                  /* The command */
  BYTE
} ZW_AV_CONTENT_SEARCH_MD_REPORT_FRAME;
typedef struct _ZW_AV_RENDERER_STATUS_GET_FRAME_
        cmdClass;
cmd;
                                 /* The command class */
/* The command */
} ZW_AV_RENDERER_STATUS_GET_FRAME;
typedef struct ZW AV RENDERER STATUS REPORT FRAME
         cmdClass;
                                  /* The command class */
/* The command */
  BYTE
  BYTE
          cmd;
} ZW_AV_RENDERER_STATUS_REPORT_FRAME;
/***********************
/* Av Tagging Md Get command class structs */
typedef struct _ZW_AV_TAGGING_MD_GET_FRAME_
       cmdClass;
cmd;
                                  /* The command class */
                                  /* The command */
} ZW_AV_TAGGING_MD_GET_FRAME;
/* Av Tagging Md Report command class structs */
typedef struct _ZW_AV_TAGGING_MD_REPORT_FRAME_
        cmdClass;
                                  /* The command class */
  BYTE
                                  /* The command */
  BYTE
          cmd:
} ZW AV TAGGING MD REPORT FRAME;
typedef struct _ZW_BASIC_TARIFF_INFO_GET_FRAME_
   BYTE cmdClass;
                                  /* The command class */
                                  /* The command */
          cmd;
} ZW_BASIC_TARIFF_INFO_GET_FRAME;
typedef struct _ZW_BASIC_TARIFF_INFO_REPORT_FRAME_
   BYTE
          cmdClass;
                                  /* The command class */
        cmdClass;
cmd;
properties1;
properties2;
e1RateConsumptionRegister1;
e1RateConsumptionRegister2;
e1RateConsumptionRegister3;
e1RateConsumptionRegister4;
                                  /* The command */
  BYTE
                                  /* masked byte */
  BYTE
   BYTE
                                  /* masked byte */
                                  /* MSB */
  BYTE
  BYTE
  BYTE
                                 /* LSB */
```

```
elTimeForNextRateHours;
           elTimeForNextRateMinutes;
                                       /**/
   BYTE
           elTimeForNextRateSeconds;
                                       /* masked byte */
          properties3;
   BYTE
                                      /* MSB */
           e2RateConsumptionRegister1;
   BYTE
         e2RateConsumptionRegister2;
e2RateConsumptionRegister3;
e2RateConsumptionRegister4;
   BYTE
                                      /* LSB */
} ZW_BASIC_TARIFF_INFO_REPORT_FRAME;
/* Basic Window Covering Start Level Change command class structs */
typedef struct _ZW_BASIC_WINDOW_COVERING_START_LEVEL_CHANGE_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
           cmd;
            level;
                                       /* masked byte */
} ZW_BASIC_WINDOW_COVERING_START_LEVEL_CHANGE_FRAME;
// Basic Window Covering Stop Level Change command class structs */
typedef struct _ZW_BASIC_WINDOW_COVERING_STOP_LEVEL_CHANGE_FRAME_
        cmdClass;
                                      /* The command class */
                                      /* The command */
            cmd;
} ZW_BASIC_WINDOW_COVERING_STOP_LEVEL_CHANGE_FRAME;
/* Basic Get command class structs */
typedef struct _ZW_BASIC_GET_FRAME_
          cmdClass;
cmd;
                                      /* The command class */
   BYTE
} ZW_BASIC_GET_FRAME;
/* Basic Report command class structs */
typedef struct _ZW_BASIC_REPORT_FRAME_
         cmdClass;
                                      /* The command class */
   BYTE
                                      /* The command */
         cmd;
   BYTE
   BYTE
            value;
} ZW_BASIC_REPORT_FRAME;
typedef struct _ZW_BASIC_SET_FRAME_
        cmdClass;
cmd;
value;
   BYTE
                                       /* The command class */
                                       /* The command */
   BYTE
   BYTE
} ZW_BASIC_SET_FRAME;
/* Basic Get V2 command class structs */
typedef struct _ZW_BASIC_GET_V2_FRAME_
         cmdClass;
cmd;
   BYTE
                                      /* The command class */
} ZW_BASIC_GET_V2_FRAME;
/* Basic Report V2 command class structs */
typedef struct _ZW_BASIC_REPORT_V2_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
        cmd;
currentValue;
targetValue;
duration;
                                       /* The command */
   BYTE
                                      /**/
   BYTE
   BYTE
   BYTE
} ZW_BASIC_REPORT_V2_FRAME;
/* Basic Set V2 command class structs */
```

```
/************************
typedef struct _ZW_BASIC_SET_V2_FRAME_
                                  /* The command class */
  BYTE
          cmdClass;
                                  /* The command */
  BYTE
       cmd;
value;
  BYTE
} ZW_BASIC_SET_V2_FRAME;
typedef struct _ZW_BATTERY_GET_FRAME_
   BYTE cmdClass;
                                  /* The command class */
                                  /* The command */
  BYTE
          cmd;
} ZW_BATTERY_GET_FRAME;
/* Battery Report command class structs */
/***********************
typedef struct _ZW_BATTERY_REPORT_FRAME_
  BYTE cmdClass;
BYTE cmd;
BYTE batteryLevel;
                                  /* The command class */
/* The command */
} ZW_BATTERY_REPORT_FRAME;
typedef struct _ZW_CHIMNEY_FAN_ALARM_LOG_GET_FRAME_
                                  /* The command class */
  BYTE cmdClass;
                                  /* The command */
  BYTE
          cmd;
} ZW_CHIMNEY_FAN_ALARM_LOG_GET_FRAME;
/* Chimney Fan Alarm Log Report command class structs */
typedef struct _ZW_CHIMNEY_FAN_ALARM_LOG_REPORT_FRAME
          cmdClass;
                                  /* The command class */
                                  /* The command */
  BYTE
         cmd;
                                  /* masked byte */
          alarmEvent1;
  BYTE
      alarmEvent2;
alarmEvent3;
alarmEvent4;
alarmEvent5;
                                  /* masked byte */
  BYTE
                                  /* masked byte */
  BYTE
                                  /* masked byte */
  BYTE
} ZW_CHIMNEY_FAN_ALARM_LOG_REPORT_FRAME;
/* Chimney Fan Alarm Log Set command class structs */
typedef struct _ZW_CHIMNEY_FAN_ALARM_LOG_SET_FRAME_
                                  /* The command class */
          cmdClass;
  BYTE
        cmd;
                                  /* The command */
  BYTE
  BYTE
          message;
} ZW_CHIMNEY_FAN_ALARM_LOG_SET_FRAME;
/* Chimney Fan Alarm Status Get command class structs */
typedef struct _ZW_CHIMNEY_FAN_ALARM_STATUS_GET_FRAME_
         cmdClass;
                                  /* The command class */
                                  /* The command */
   RYTE
          cmd;
} ZW_CHIMNEY_FAN_ALARM_STATUS_GET_FRAME;
/* Chimney Fan Alarm Status Report command class structs */
typedef struct _ZW_CHIMNEY_FAN_ALARM_STATUS_REPORT_FRAME_
       cmdClass;
                                  /* The command class */
  BYTE
       cmd;
alarmStatus;
                                  /* The command */
                                  /* masked byte */
} ZW_CHIMNEY_FAN_ALARM_STATUS_REPORT_FRAME;
/* Chimney Fan Alarm Status Set command class structs */
```

```
typedef struct _ZW_CHIMNEY_FAN_ALARM_STATUS_SET_FRAME_
                              /* The command class */
  BYTE
        cmdClass;
                              /* The command */
  BYTE
      cmd;
message;
                              /* masked byte */
  BYTE
} ZW_CHIMNEY_FAN_ALARM_STATUS_SET_FRAME;
typedef struct _ZW_CHIMNEY_FAN_ALARM_TEMP_GET_FRAME_
      cmdClass;
                              /* The command class */
                              /* The command */
         cmd;
} ZW_CHIMNEY_FAN_ALARM_TEMP_GET_FRAME;
/* Chimney Fan Alarm Temp Report 1byte command class structs */
typedef struct _ZW_CHIMNEY_FAN_ALARM_TEMP_REPORT_1BYTE_FRAME_
  /* The command class */
                              /* The command */
                              /* masked byte */
} ZW_CHIMNEY_FAN_ALARM_TEMP_REPORT_1BYTE_FRAME;
typedef struct _ZW_CHIMNEY_FAN_ALARM_TEMP_REPORT_2BYTE_FRAME_
  BYTE
        cmdClass;
                              /* The command class */
       cmd;
cmd;
properties1;
  BYTE
                              /* The command */
  BYTE
                              /* masked byte */
      value2;
         value1;
  BYTE
                              /* MSB */
  BYTE
} ZW_CHIMNEY_FAN_ALARM_TEMP_REPORT_2BYTE_FRAME;
/* Chimney Fan Alarm Temp Report 3byte command class structs */
typedef struct _ZW_CHIMNEY_FAN_ALARM_TEMP_REPORT_3BYTE_FRAME_
        cmdClass;
                              /* The command class */
                              /* The command */
        cmd;
  BYTE
        properties1;
                              /* masked byte */
                              /* MSB */
  BYTE
         value1;
        value2;
  BYTE
                              /* LSB */
  BYTE
         value3;
} ZW_CHIMNEY_FAN_ALARM_TEMP_REPORT_3BYTE_FRAME;
/* Chimney Fan Alarm Temp Report 4byte command class structs */
typedef struct _ZW_CHIMNEY_FAN_ALARM_TEMP_REPORT_4BYTE_FRAME_
         cmdClass;
                              /* The command class */
  BYTE
                              /* The command */
        cmd;
                              /* masked byte */
  BYTE
        properties1;
                              /* MSB */
  BYTE
         value1;
  BYTE
         value2;
       value3;
value4;
  BYTE
                              /* LSB */
} ZW_CHIMNEY_FAN_ALARM_TEMP_REPORT_4BYTE_FRAME;
/* Chimney Fan Alarm Temp Set 1byte command class structs */
typedef struct _ZW_CHIMNEY_FAN_ALARM_TEMP_SET_1BYTE_FRAME_
                              /* The command class */
  BYTE
         cmdClass;
       cmd;
properties1;
                              /* The command */
  BYTE
                              /* masked byte */
  BYTE
  BYTE
         value1;
} ZW_CHIMNEY_FAN_ALARM_TEMP_SET_1BYTE_FRAME;
```

```
typedef struct _ZW_CHIMNEY_FAN_ALARM_TEMP_SET_2BYTE_FRAME_
   BYTE
           cmdClass;
                                     /* The command class */
          cmd;
properties1;
                                     /* The command */
   BYTE
                                     /* masked byte */
   BYTE
                                     /* MSB */
   BYTE
           value1;
                                     /* LSB */
          value2;
} ZW_CHIMNEY_FAN_ALARM_TEMP_SET_2BYTE_FRAME;
typedef struct _ZW_CHIMNEY_FAN_ALARM_TEMP_SET_3BYTE_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
                                     /* The command */
   BYTE
          cmd;
           properties1;
                                     /* masked byte */
   BYTE
   BYTE
           value1;
   BYTE
           value2;
   BYTE
           value3;
                                     /* LSB */
} ZW_CHIMNEY_FAN_ALARM_TEMP_SET_3BYTE_FRAME;
/* Chimney Fan Alarm Temp Set 4byte command class structs */
typedef struct _ZW_CHIMNEY_FAN_ALARM_TEMP_SET_4BYTE_FRAME_
                                     /* The command class */
   BYTE
           cmdClass:
                                     /* The command */
   BYTE
           cmd;
                                     /* masked byte */
          properties1;
   BYTE
                                     /* MSB */
   BYTE
           value1;
   BYTE
           value2;
   BYTE
           value3;
                                    /* LSB */
   BYTE
           value4;
} ZW_CHIMNEY_FAN_ALARM_TEMP_SET_4BYTE_FRAME;
/* Chimney Fan Boost Time Get command class structs */
typedef struct _ZW_CHIMNEY_FAN_BOOST_TIME_GET_FRAME_
         cmdClass;
                                    /* The command class */
                                    /* The command */
           cmd;
} ZW_CHIMNEY_FAN_BOOST_TIME_GET_FRAME;
/* Chimney Fan Boost Time Report command class structs */
typedef struct _ZW_CHIMNEY_FAN_BOOST_TIME_REPORT_FRAME_
                                     /* The command class */
   BYTE
          cmdClass;
                                     /* The command */
   BYTE
         cmd;
           time;
} ZW_CHIMNEY_FAN_BOOST_TIME_REPORT_FRAME;
typedef struct _ZW_CHIMNEY_FAN_BOOST_TIME_SET_FRAME_
         cmdClass;
                                     /* The command class */
   BYTE
                                     /* The command */
         cmd;
   BYTE
   BYTE
           time:
} ZW_CHIMNEY_FAN_BOOST_TIME_SET_FRAME;
/* Chimney Fan Default Set command class structs */
typedef struct _ZW_CHIMNEY_FAN_DEFAULT SET FRAME
        cmdClass;
cmd;
                                    /* The command class */
/* The command */
   BYTE
} ZW_CHIMNEY_FAN_DEFAULT_SET_FRAME;
/* Chimney Fan Min Speed Get command class structs */
typedef struct _ZW_CHIMNEY_FAN_MIN_SPEED_GET_FRAME_
   BYTE
          cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
          cmd;
```

```
} ZW CHIMNEY FAN MIN SPEED GET FRAME;
typedef struct _ZW_CHIMNEY_FAN_MIN_SPEED_REPORT_FRAME_
                                      /\!\!\!\!\!^{\star} The command class */ /\!\!\!\!\!\!^{\star} The command */
   BYTE
           cmdClass;
   BYTE
           cmd;
   BYTE
           minSpeed:
} ZW_CHIMNEY_FAN_MIN_SPEED_REPORT_FRAME;
/* Chimney Fan Min Speed Set command class structs */
typedef struct _ZW_CHIMNEY_FAN_MIN_SPEED_SET_FRAME_
           cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
          cmd;
   BYTE
           minSpeed;
} ZW_CHIMNEY_FAN_MIN_SPEED_SET_FRAME;
/* Chimney Fan Mode Get command class structs */
typedef struct _ZW_CHIMNEY_FAN_MODE_GET_FRAME_
          cmdClass;
                                     /* The command class */
   BYTE
                                     /* The command */
           cmd;
} ZW_CHIMNEY_FAN_MODE_GET_FRAME;
typedef struct _ZW_CHIMNEY_FAN_MODE_REPORT_FRAME
         cmdClass;
cmd;
mode:
   BYTE
                                     /* The command class */
                                      /* The command */
   BYTE
   BYTE
           mode:
} ZW_CHIMNEY_FAN_MODE_REPORT_FRAME;
/* Chimney Fan Mode Set command class structs */
typedef struct _ZW_CHIMNEY_FAN_MODE_SET_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           mode;
} ZW_CHIMNEY_FAN_MODE_SET_FRAME;
/* Chimney Fan Setup Get command class structs */
typedef struct _ZW_CHIMNEY_FAN_SETUP_GET_FRAME_
        cmdClass;
                                     /* The command class */
   BYTE
                                     /* The command */
   BYTE
           cmd;
} ZW_CHIMNEY_FAN_SETUP_GET_FRAME;
typedef struct _ZW_CHIMNEY_FAN_SETUP_REPORT_1BYTE_FRAME
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
   BYTE
           mode:
                                      /**/
           boostTime;
   BYTE
                                      /**/
   BYTE
           stopTime;
                                      /**/
           minSpeed;
          properties1;
startTemperature1;
   BYTE
                                     /* masked byte */
   BYTE
                                     /* masked byte */
        properties2;
stopTemperature1;
properties3;
alarmTemperatureV
   BYTE
   BYTE
                                     /* masked byte */
   BYTE
            alarmTemperatureValue1;
} ZW_CHIMNEY_FAN_SETUP_REPORT_1BYTE_FRAME;
/* Chimney Fan Setup Report 2byte command class structs */
```

```
typedef struct _ZW_CHIMNEY_FAN_SETUP_REPORT_2BYTE_FRAME_
    BYTE
             cmdClass;
                                              /* The command class */
                                              /* The command */
   BYTE
              cmd;
                                              /**/
   BYTE
             mode;
                                              /**/
   BYTE
            boostTime;
                                              /**/
/**/
              stopTime;
   BYTE
             minSpeed;
            properties1;
startTemperature1;
                                              /* masked byte */
   BYTE
                                             /* MSB */
   BYTE
                                             /* LSB */
             startTemperature2;
   BYTE
            startTemperature2,
properties2;
stopTemperature1;
stopTemperature2;
                                             /* masked byte */
                                             /* MSB */
    BYTE
                                             /* LSB */
                                         /^ LSB */
/* masked byte */
/* MSB */
   BYTE
          properties3;
alarmTemperatureValue1;
   BYTE
   BYTE
              alarmTemperatureValue2;
} ZW_CHIMNEY_FAN_SETUP_REPORT_2BYTE_FRAME;
typedef struct _ZW_CHIMNEY_FAN_SETUP_REPORT_3BYTE_FRAME_
             cmdClass;
                                              /* The command class */
                                              /* The command */
   BYTE
             cmd;
                                              /**/
    BYTE
             mode:
                                              /**/
             boostTime;
   BYTE
                                              /**/
   BYTE
             stopTime;
                                              /**/
            minSpeed;
   BYTE
            minSpeed;
properties1;
startTemperature1;
startTemperature2;
startTemperature3;
properties2;
stopTemperature1;
stopTemperature2;
stopTemperature3;
properties3:
                                              /* masked byte */
   BYTE
                                             /* MSB */
   BYTE
   BYTE
                                             /* LSB */
    BYTE
                                             /* masked byte */
/* MSB */
    BYTE
   BYTE
    BYTE
                                             /* LSB */
   BYTE
         properties3; /* masked alarmTemperatureValue1; /* MSB */ alarmTemperatureValue2; alarmTemperatureValue3; /* LSB */
                                             /* masked byte */
/* MSB */
    BYTE
    BYTE
   BYTE
} ZW_CHIMNEY_FAN_SETUP_REPORT_3BYTE_FRAME;
typedef struct _ZW_CHIMNEY_FAN_SETUP_REPORT_4BYTE_FRAME_
                                              /* The command class */
   BYTE
             cmdClass;
                                              /* The command */
    BYTE
             cmd;
             mode;
                                              /**/
    BYTE
             boostTime;
                                              /**/
                                              /**/
            stopTime;
minSpeed;
   BYTE
                                              /**/
   BYTE
                                              /* masked byte */
            properties1;
startTemperature1;
startTemperature2;
    BYTE
                                              /* MSB */
   BYTE
    BYTE
    BYTE
             startTemperature3;
                                             /* LSB */
   BYTE
             startTemperature4;
                                             /* masked byte */
            properties2;
stopTemperature1;
stopTemperature2;
    BYTE
                                             /* MSB */
   BYTE
    BYTE
             stopTemperature3;
                                             /* LSB */
/* masked byte */
    BYTE
             stopTemperature4;
          properties3;
alarmTemperatureValue1;
alarmTemperatureValue2;
alarmTemperatureValue3;
alarmTemperatureValue4;
    BYTE
                                             /* MSB */
    BYTE
    BYTE
   BYTE
              alarmTemperatureValue4;
                                             /* LSB */
} ZW_CHIMNEY_FAN_SETUP_REPORT_4BYTE_FRAME;
typedef struct _ZW_CHIMNEY_FAN_SETUP_SET_1BYTE_FRAME_
                                              /* The command class */
/* The command */
             cmdClass;
   BYTE
   BYTE
             cmd;
             mode;
```

BYTE

```
boostTime;
                                                /**/
              stopTime;
    BYTE
    BYTE
              minSpeed;
                                                /* masked byte */
             properties1;
    BYTE
    BYTE
              startTemperature1;
           properties2;
stopTemperature1;
properties3;
    BYTE
                                                /* masked byte */
    BYTE
    BYTE
                                               /* masked byte */
               alarmTemperatureValue1;
    BYTE
} ZW_CHIMNEY_FAN_SETUP_SET_1BYTE_FRAME;
/* Chimney Fan Setup Set 2byte command class structs */
typedef struct _ZW_CHIMNEY_FAN_SETUP_SET_2BYTE_FRAME_
    BYTE
             cmdClass;
                                                /* The command class */
    BYTE
              cmd;
                                                /* The command */
             mode;
                                                /**/
    BYTE
                                                /**/
/**/
    BYTE
              boostTime;
             stopTime;
minSpeed;
    BYTE
                                                /**/
    BYTE
            properties1;
startTemperature1;
startTemperature2;
                                                /* masked byte */
    BYTE
                                               /* MSB */
                                               /* LSB */
/* masked byte */
/* MSB */
/* LSB */
    BYTE
         startTemperature2;

properties2;

stopTemperature1;

stopTemperature2;

properties3;

alarmTemperatureValue1;

alarmTemperatureValue2;
    BYTE
    BYTE
    BYTE
                                              /* masked byte */
/* MSB */
/* LSB */
    BYTE
    BYTE
} ZW_CHIMNEY_FAN_SETUP_SET_2BYTE_FRAME;
typedef struct _ZW_CHIMNEY_FAN_SETUP_SET_3BYTE_FRAME_
                                                /* The command class */
    BYTE
              cmdClass:
                                                /* The command */
    BYTE
              cmd;
                                                /**/
              mode;
              boostTime;
                                                /**/
                                                /**/
    BYTE
               stopTime;
    BYTE
              minSpeed;
             properties1;
startTemperature1;
startTemperature2;
startTemperature3;
                                                /* masked byte */
    BYTE
                                               /* MSB */
    BYTE
    BYTE
                                               /* LSB */
    BYTE
             staftlemperatures,
properties2;
stopTemperature1;
stopTemperature2;
stopTemperature3;
                                               /* masked byte */
/* MSB */
    BYTE
    BYTE
    BYTE
                                               /* LSB */
    BYTE
           properties3;
alarmTemperatureValue1;
alarmTemperatureValue2;
                                               /* masked byte */
                                               /* MSB */
    BYTE
    BYTE
                                               /* LSB */
    BYTE
               alarmTemperatureValue3;
} ZW_CHIMNEY_FAN_SETUP_SET_3BYTE_FRAME;
/* Chimney Fan Setup Set 4byte command class structs */
typedef struct _ZW_CHIMNEY_FAN_SETUP_SET_4BYTE_FRAME_
    BYTE
              cmdClass;
                                                /* The command class */
                                                /* The command */
                                                /**/
/**/
    BYTE
               mode;
    BYTE
              boostTime;
    BYTE
              stopTime:
                                                /**/
    BYTE
              minSpeed;
                                                /* masked byte */
    BYTE
              properties1;
              startTemperature1;
                                                /* MSB */
    BYTE
              startTemperature2;
    BYTE
              startTemperature3;
              startTemperature4; properties2;
                                               /* LSB */
    BYTE
                                               /* masked byte */
    BYTE
                                                /* MSB */
    BYTE
              stopTemperature1;
    BYTE
              stopTemperature2;
    BYTE
              stopTemperature3;
                                               /* T.SB */
    RYTE
              stopTemperature4;
                                               /* masked byte */
    BYTE
              properties3;
               alarmTemperatureValue1;
    BYTE
```

```
alarmTemperatureValue2;
        alarmTemperatureValue3;
                                   /* LSB */
   BYTE
           alarmTemperatureValue4;
} ZW_CHIMNEY_FAN_SETUP_SET_4BYTE_FRAME;
/* Chimney Fan Speed Get command class structs */
typedef struct _ZW_CHIMNEY_FAN_SPEED_GET_FRAME_
         cmdClass;
                                   /* The command class */
   BYTE
                                   /* The command */
   BYTE
           cmd;
} ZW CHIMNEY FAN SPEED GET FRAME;
typedef struct _ZW_CHIMNEY_FAN_SPEED_REPORT_FRAME_
        cmdClass;
cmd;
speed:
   BYTE
                                   /* The command class */
                                   /* The command */
   BYTE
   BYTE
           speed;
} ZW_CHIMNEY_FAN_SPEED_REPORT_FRAME;
/* Chimney Fan Speed Set command class structs */
typedef struct _ZW_CHIMNEY_FAN_SPEED_SET_FRAME_
        cmdClass;
cmd;
speed:
                                   /* The command class */
/* The command */
   BYTE
   BYTE
   BYTE
          speed;
} ZW_CHIMNEY_FAN_SPEED_SET_FRAME;
/* Chimney Fan Start Temp Get command class structs */
typedef struct _ZW_CHIMNEY_FAN_START_TEMP_GET_FRAME_
        cmdClass;
                                   /* The command class */
   BYTE
                                   /* The command */
           cmd;
} ZW_CHIMNEY_FAN_START_TEMP_GET_FRAME;
/* Chimney Fan Start Temp Report 1byte command class structs */
typedef struct _ZW_CHIMNEY_FAN_START_TEMP_REPORT_1BYTE FRAME
   BYTE
          cmdClass;
                                   /* The command class */
        cmd;
properties1;
                                   /* The command */
   BYTE
                                   /* masked byte */
   BYTE
   BYTE
           value1;
} ZW_CHIMNEY_FAN_START_TEMP_REPORT_1BYTE_FRAME;
typedef struct _ZW_CHIMNEY_FAN_START_TEMP_REPORT_2BYTE_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
                                   /* The command */
   BYTE
          cmd;
                                   /* masked byte */
         properties1;
   BYTE
                                   /* MSB */
          value1;
   BYTE
                                    /* LSB */
   BYTE
           value2;
} ZW CHIMNEY FAN START TEMP REPORT 2BYTE FRAME;
typedef struct _ZW_CHIMNEY_FAN_START_TEMP_REPORT_3BYTE_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
                                   /* The command */
  BYTE
          cmd;
         properties1;
                                   /* masked byte */
   BYTE
                                   /* MSB */
   BYTE
          value1;
         value2;
value3;
   BYTE
                                   /* LSB */
} ZW_CHIMNEY_FAN_START_TEMP_REPORT_3BYTE_FRAME;
/* Chimney Fan Start Temp Report 4byte command class structs */
```

```
typedef struct _ZW_CHIMNEY_FAN_START_TEMP_REPORT_4BYTE_FRAME_
   BYTE
          cmdClass;
                                  /* The command class */
                                  /* The command */
  BYTE
          cmd;
         properties1;
                                  /* masked byte */
   BYTE
                                  /* MSB */
  BYTE
          value1;
   BYTE
          value2;
         value3;
  BYTE
                                 /* LSB */
  BYTE
          value4:
} ZW_CHIMNEY_FAN_START_TEMP_REPORT_4BYTE_FRAME;
/* Chimney Fan Start Temp Set 1byte command class structs */
typedef struct _ZW_CHIMNEY_FAN_START_TEMP_SET_1BYTE_FRAME_
          cmdClass;
                                  /* The command class */
         cmd;
                                  /* The command */
   BYTE
       properties1;
  BYTE
                                  /* masked byte */
  BYTE
          value1;
} ZW_CHIMNEY_FAN_START_TEMP_SET_1BYTE_FRAME;
typedef struct _ZW_CHIMNEY_FAN_START_TEMP_SET_2BYTE_FRAME_
         cmdClass;
                                  /* The command class */
         cmd;
properties1;
value1;
                                  /* The command */
  BYTE
                                  /* masked byte */
   BYTE
                                  /* MSB */
  BYTE
                                  /* LSB */
  BYTE
          value2;
} ZW_CHIMNEY_FAN_START_TEMP_SET_2BYTE_FRAME;
/\star Chimney Fan Start Temp Set 3byte command class structs \star/
typedef struct _ZW_CHIMNEY_FAN_START_TEMP_SET_3BYTE_FRAME_
                                  /* The command class */
          cmdClass;
          cmd;
                                  /* The command */
         properties1;
                                  /* masked byte */
  BYTE
                                 /* MSB */
  BYTE
          value1;
        value2;
  BYTE
                                  /* LSB */
  BYTE
          value3;
} ZW CHIMNEY FAN START TEMP SET 3BYTE FRAME;
typedef struct _ZW_CHIMNEY_FAN_START_TEMP_SET_4BYTE_FRAME
        cmdClass;
cmd;
properties1;
                                  /* The command class */
  BYTE
                                  /* The command */
  BYTE
                                  /* masked byte */
  BYTE
                                  /* MSB */
  BYTE
          value1:
          value2;
  BYTE
       value3;
value4;
  BYTE
  BYTE
                                  /* LSB */
} ZW_CHIMNEY_FAN_START_TEMP_SET_4BYTE_FRAME;
typedef struct _ZW_CHIMNEY_FAN_STATE_GET_FRAME_
        cmdClass;
                                 /* The command class */
  BYTE
                                 /* The command */
  BYTE
          cmd;
} ZW_CHIMNEY_FAN_STATE_GET_FRAME;
typedef struct _ZW_CHIMNEY_FAN_STATE_REPORT_FRAME_
       cmdClass;
cmd;
   BYTE
                                  /* The command class */
  BYTE
                                  /* The command */
BYTE state;
} ZW_CHIMNEY_FAN_STATE_REPORT_FRAME;
```

```
/* Chimney Fan State Set command class structs */
typedef struct _ZW_CHIMNEY_FAN_STATE_SET_FRAME_
        cmdClass;
cmd;
state:
   BYTE
                                      /* The command class */
                                      /* The command */
   BYTE
            state;
} ZW_CHIMNEY_FAN_STATE_SET_FRAME;
/* Chimney Fan Status Get command class structs */
typedef struct _ZW_CHIMNEY_FAN_STATUS_GET_FRAME_
   BYTE cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
} ZW_CHIMNEY_FAN_STATUS_GET_FRAME;
typedef struct _ZW_CHIMNEY_FAN_STATUS_REPORT_1BYTE FRAME
           cmdClass;
   BYTE
                                      /* The command class */
                                      /* The command */
   BYTE
          cmd;
   BYTE
           state;
          speed;
alarmStatus;
                                      /**/
   BYTE
                                      /* masked byte */
   BYTE
        properties1;
                                      /* masked byte */
   BYTE
   BYTE
           value1;
} ZW_CHIMNEY_FAN_STATUS_REPORT_1BYTE_FRAME;
^{\prime} /* Chimney Fan Status Report 2byte command class structs */
typedef struct _ZW_CHIMNEY_FAN_STATUS_REPORT_2BYTE_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
          cmd;
state;
   BYTE
                                      /**/
           speed;
                                       /**/
   BYTE
           alarmStatus;
                                       /* masked byte */
         properties1;
value1;
                                      /* masked byte */
   BYTE
                                      /* MSB */
   BYTE
                                      /* LSB */
   BYTE
            value2;
} ZW CHIMNEY FAN STATUS REPORT 2BYTE FRAME;
typedef struct _ZW_CHIMNEY_FAN_STATUS_REPORT_3BYTE_FRAME
         cmdClass;
cmd;
state;
                                      /* The command class */
   BYTE
                                       /* The command */
   BYTE
                                      /**/
   BYTE
                                      /**/
           speed;
   BYTE
                                      /* masked byte */
           alarmStatus;
   BYTE
          properties1;
                                      /* masked byte */
   BYTE
   BYTE
            value1;
                                      /* MSB */
          value2;
   BYTE
                                      /* LSB */
   BYTE
           value3;
} ZW_CHIMNEY_FAN_STATUS_REPORT_3BYTE_FRAME;
/* Chimney Fan Status Report 4byte command class structs */
typedef struct _ZW_CHIMNEY_FAN_STATUS_REPORT_4BYTE_FRAME_
                                       /* The command class */
           cmdClass;
                                       /* The command */
           cmd;
                                      /**/
   BYTE
           state;
                                      /**/
   BYTE
           speed;
                                      /* masked byte */
           alarmStatus;
   BYTE
                                      /* masked byte */
   BYTE
           properties1;
                                      /* MSB */
   BYTE
           value1;
   BYTE
           value2;
   BYTE
           value3;
                                      /* LSB */
   BYTE
            value4;
} ZW_CHIMNEY_FAN_STATUS_REPORT_4BYTE_FRAME;
```

```
/* Chimney Fan Stop Temp Get command class structs */
typedef struct _ZW_CHIMNEY_FAN_STOP_TEMP_GET_FRAME_
        cmdClass;
cmd;
                                   /* The command class */
                                    /* The command */
   BYTE
} ZW_CHIMNEY_FAN_STOP_TEMP_GET_FRAME;
typedef struct _ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_1BYTE_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
        cmd;
properties1;
   BYTE
                                    /* masked byte */
   BYTE
           value1;
} ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_1BYTE_FRAME;
typedef struct _ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_2BYTE_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
          cmd;
         properties1;
value1;
value2;
                                    /* masked byte */
   BYTE
                                    /* MSB */
} ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_2BYTE_FRAME;
/* Chimney Fan Stop Temp Report 3byte command class structs */
typedef struct _ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_3BYTE_FRAME_
                                    /* The command class */
/* The command */
   BYTE
          cmdClass;
   BYTE
          cmd;
         properties1;
                                    /* masked byte */
   BYTE
                                    /* MSB */
   BYTE
          value1;
       value2;
value3;
                                    /* LSB */
   BYTE
} ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_3BYTE_FRAME;
/* Chimney Fan Stop Temp Report 4byte command class structs */
typedef struct _ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_4BYTE_FRAME_
          cmdClass;
                                    /* The command class */
   BYTE
         cmd;
properties1;
                                    /* The command */
   BYTE
                                    /* masked byte */
   BYTE
           value1;
                                    /* MSB */
   BYTE
          value2;
         value3;
   BYTE
                                    /* LSB */
   BYTE
          value4:
} ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_4BYTE_FRAME;
typedef struct _ZW_CHIMNEY_FAN_STOP_TEMP_SET_1BYTE_FRAME_
          cmdClass;
   BYTE
                                    /* The command class */
                                    /* The command */
   BYTE
          cmd;
        properties1;
                                    /* masked byte */
   BYTE
   BYTE
           value1:
} ZW_CHIMNEY_FAN_STOP_TEMP_SET 1BYTE FRAME;
/* Chimney Fan Stop Temp Set 2byte command class structs */
typedef struct _ZW_CHIMNEY_FAN_STOP_TEMP_SET_2BYTE_FRAME_
          cmdClass;
                                    /* The command class */
   BYTE
          cmd;
                                    /* The command */
         properties1; value1;
                                    /* masked byte */
   BYTE
                                    /* MSB */
   BYTE
                                    /* LSB */
   BYTE
           value2;
} ZW_CHIMNEY_FAN_STOP_TEMP_SET_2BYTE_FRAME;
```

```
/***********************
/* Chimney Fan Stop Temp Set 3byte command class structs */
typedef struct _ZW_CHIMNEY_FAN_STOP_TEMP_SET_3BYTE_FRAME_
                                /* The command class */
         cmdClass;
         cmd;
                                /* The command */
                                /* masked byte */
  BYTE
        properties1;
                               /* MSB */
  BYTE
         value1:
        value2;
  BYTE
                               /* LSB */
  BYTE
         value3;
} ZW CHIMNEY FAN STOP TEMP SET 3BYTE FRAME;
typedef struct _ZW_CHIMNEY_FAN_STOP_TEMP_SET_4BYTE_FRAME_
  BYTE
         cmdClass;
                                /* The command class */
         cmd;
                                /* The command */
  BYTE
         properties1;
                                /* masked byte */
  BYTE
                                /* MSB */
  BYTE
         value1;
         value2;
       value3;
value4;
  BYTE
  BYTE
                               /* LSB */
} ZW_CHIMNEY_FAN_STOP_TEMP_SET_4BYTE_FRAME;
/* Chimney Fan Stop Time Get command class structs */
typedef struct _ZW_CHIMNEY_FAN_STOP_TIME_GET_FRAME_
       cmdClass;
                               /* The command class */
                               /* The command */
  BYTE
          cmd;
} ZW_CHIMNEY_FAN_STOP_TIME_GET_FRAME;
typedef struct _ZW_CHIMNEY_FAN_STOP_TIME_REPORT_FRAME_
      cmdClass;
cmd;
  BYTE
                                /* The command class */
                               /* The command */
  BYTE
  BYTE
         time;
} ZW_CHIMNEY_FAN_STOP_TIME_REPORT_FRAME;
/* Chimney Fan Stop Time Set command class structs */
typedef struct _ZW_CHIMNEY_FAN_STOP_TIME_SET_FRAME_
  BYTE
         cmdClass;
                                /* The command class */
                                /* The command */
  BYTE
         time;
} ZW_CHIMNEY_FAN_STOP_TIME_SET_FRAME;
typedef struct _ZW_SCHEDULE_CHANGED_GET_FRAME_
                              /* The command class */
/* The command */
        cmdClass;
  BYTE
          cmd;
} ZW SCHEDULE CHANGED GET FRAME;
/**********************
typedef struct _ZW_SCHEDULE_CHANGED_REPORT_FRAME_
  BYTE
         cmdClass;
                               /* The command class */
                               /* The command */
      cmd;
changecounter;
  BYTE
  BYTE
} ZW_SCHEDULE_CHANGED_REPORT_FRAME;
/**********************
/* Schedule Get command class structs */
typedef struct _ZW_SCHEDULE_GET_FRAME_
```

```
cmdClass;
                                      /* The command class */
         cmd;
                                      /* The command */
                                      /* masked byte */
   BYTE
           properties1;
} ZW_SCHEDULE_GET_FRAME;
/* Schedule Override Get command class structs */
typedef struct _ZW_SCHEDULE_OVERRIDE_GET_FRAME_
         cmdClass;
   BYTE
                                     /* The command class */
                                     /* The command */
   BYTE
           cmd;
} ZW SCHEDULE OVERRIDE GET FRAME;
typedef struct _ZW_SCHEDULE_OVERRIDE_REPORT_FRAME_
         cmdClass;
cmd;
properties1;
overrideState;
   BYTE
                                      /* The command */
   BYTE
                                      /* masked byte */
   BYTE
           overrideState;
   BYTE
} ZW_SCHEDULE_OVERRIDE_REPORT_FRAME;
/* Schedule Override Set command class structs */
typedef struct _ZW_SCHEDULE_OVERRIDE_SET_FRAME_
   BYTE
           cmdClass;
                                      /\! The command class ^*/
                                     /* The command */
   BYTE
           cmd;
   BYTE properties1;
                                     /* masked byte */
   BYTE
           overrideState;
} ZW_SCHEDULE_OVERRIDE_SET_FRAME;
/* Schedule Report command class structs */
typedef struct _ZW_SCHEDULE_REPORT_FRAME_
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
                                      /* masked byte */
   BYTE
           properties1;
          switchpoint01;
switchpoint02;
                                      /* MSB */
   BYTE
   BYTE
                                     /* LSB */
/* MSB */
   BYTE
           switchpoint03;
   BYTE
          switchpoint11;
          switchpoint12;
switchpoint13;
   BYTE
                                      /* LSB */
   BYTE
                                     /* MSB */
   BYTE
           switchpoint21;
           switchpoint22;
   BYTE
           switchpoint23;
                                      /* LSB */
                                      /* MSB */
   BYTE
           switchpoint31;
          switchpoint32;
   BYTE
                                      /* LSB */
   BYTE
           switchpoint33;
                                      /* MSB */
   BYTE
           switchpoint41;
   BYTE
           switchpoint42;
   BYTE
           switchpoint43;
                                      /* LSB */
   BYTE
           switchpoint51;
                                      /* MSB */
   BYTE
           switchpoint52;
                                      /* LSB */
   BYTE
          switchpoint53;
                                     /* MSB */
   BYTE
           switchpoint61;
           switchpoint62;
   BYTE
          switchpoint63;
   BYTE
                                      /* LSB */
   BYTE
           switchpoint71;
                                     /* MSB */
         switchpoint7;
switchpoint73;
switchpoint81;
switchpoint82;
   BYTE
                                      /* LSB */
   BYTE
                                      /* MSB */
   BYTE
   BYTE
            switchpoint83;
                                      /* LSB */
} ZW_SCHEDULE_REPORT_FRAME;
/* Schedule Set command class structs */
typedef struct _ZW_SCHEDULE_SET_FRAME_
          cmdClass;
   BYTE
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
          properties1;
                                      /* masked byte */
```

```
BYTE
           switchpoint01;
                                   /* MSB */
   BYTE
           switchpoint02;
   BYTE
           switchpoint03;
                                   /* LSB */
                                   /* MSB */
   BYTE
          switchpoint11;
   BYTE
           switchpoint12;
   BYTE
          switchpoint13;
                                   /* LSB */
                                   /* MSB */
   BYTE
          switchpoint21;
   BYTE
          switchpoint22;
                                   /* LSB */
   BYTE
           switchpoint23;
                                   /* MSB */
   BYTE
           switchpoint31;
          switchpoint32;
   BYTE
                                   /* LSB */
   BYTE
          switchpoint33;
                                   /* MSB */
           switchpoint41;
   BYTE
           switchpoint42;
   BYTE
           switchpoint43;
                                   /* LSB */
                                   /* MSB */
   BYTE
          switchpoint51;
   BYTE
          switchpoint52;
   BYTE
          switchpoint53;
                                   /* LSB */
   BYTE
          switchpoint61;
                                   /* MSB */
   BYTE
          switchpoint62;
                                   /* LSB */
   BYTE
          switchpoint63;
                                   /* MSB */
   BYTE
          switchpoint71;
   BYTE
          switchpoint72;
          switchpoint73;
                                   /* LSB */
          switchpoint81;
   BYTE
                                   /* MSB */
   BYTE
          switchpoint82;
                                   /* LSB */
   BYTE
           switchpoint83;
} ZW_SCHEDULE_SET_FRAME;
typedef struct _ZW_CLOCK_GET_FRAME_
         cmdClass;
cmd;
                                  /* The command class */
/* The command */
   BYTE
} ZW_CLOCK_GET_FRAME;
typedef struct _ZW_CLOCK_REPORT_FRAME_
   BYTE
                                   /* The command class */
          cmdClass;
                                   /* The command */
   BYTE
          cmd;
                                   /* masked byte */
          level;
   BYTE
   BYTE
          minute;
} ZW_CLOCK_REPORT_FRAME;
typedef struct _ZW_CLOCK_SET_FRAME_
                                   /* The command class */
/* The command */
          cmdClass;
   BYTE
  BYTE
          cmd;
                                   /* masked byte */
   BYTE
          level:
   BYTE
          minute;
} ZW_CLOCK_SET_FRAME;
typedef struct _ZW_CONFIGURATION_GET_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
         cmd;
                                   /* The command */
   BYTE
   BYTE
          parameterNumber:
} ZW_CONFIGURATION_GET_FRAME;
typedef struct _ZW_CONFIGURATION_REPORT_1BYTE_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
                                   /* The command */
   BYTE
   BYTE
          parameterNumber;
                                   /* masked byte */
   RYTE
          level;
           configurationValue1;
   BYTE
} ZW_CONFIGURATION_REPORT_1BYTE_FRAME;
```

```
/***********************
/* Configuration Report 2byte command class structs */
typedef struct _ZW_CONFIGURATION_REPORT_2BYTE_FRAME_
                                       /* The command class */
           cmdClass;
   BYTE
           cmd;
                                      /* The command */
                                       /**/
          parameterNumber;
level;
   BYTE
                                      /* masked byte */
   BYTE
         configurationValue1;
                                      /* MSB */
   BYTE
                                      /* LSB */
            configurationValue2;
   BYTE
} ZW_CONFIGURATION_REPORT_2BYTE_FRAME;
typedef struct _ZW_CONFIGURATION_REPORT_3BYTE_FRAME_
          cmdClass;
cmd;
parameterNumber;
level:
   BYTE
                                       /* The command class */
                                       /* The command */
   BYTE
                                      /**/
   BYTE
        level;
configurationValuel;
configurationValue2;
configurationValue3;
                                      /* masked byte */
   BYTE
                                      /* MSB */
   BYTE
   BYTE
                                      /* LSB */
} ZW_CONFIGURATION_REPORT_3BYTE_FRAME;
typedef struct _ZW_CONFIGURATION_REPORT_4BYTE_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
          cmd;
parameterNumber;
                                       /* The command */
   BYTE
   BYTE
           level;
                                       /* masked byte */
        configurationValuel;
configurationValue2;
configurationValue3;
configurationValue4;
                                      /* MSB */
   BYTE
   RYTE
   BYTE
                                     /* LSB */
} ZW_CONFIGURATION_REPORT_4BYTE_FRAME;
typedef struct _ZW_CONFIGURATION_SET_1BYTE_FRAME_
   BYTE
           cmdClass;
                                       /\star The command class \star/
         parameterNumber;
level;
                                       /* The command */
   BYTE
                                      /**/
   BYTE
                                       /* masked byte */
   BYTE
            configurationValue1;
} ZW_CONFIGURATION_SET_1BYTE_FRAME;
typedef struct _ZW_CONFIGURATION_SET_2BYTE_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
         cmd;
cmd;
parameterNumber;
level;
configurationValue1;
configurationValue2;
                                      /* The command */
   BYTE
                                      /**/
   BYTE
                                      /* masked byte */
   BYTE
                                      /* MSB */
                                      /* LSB */
   BYTE
} ZW_CONFIGURATION_SET_2BYTE_FRAME;
/* Configuration Set 3byte command class structs */
typedef struct _ZW_CONFIGURATION_SET_3BYTE_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
                                       /* The command */
          cmd;
   BYTE
         parameterNumber;
level;
configurationValue1;
configurationValue2;
                                      /**/
   BYTE
                                      /* masked byte */
/* MSB */
   BYTE
   BYTE
   BYTE
                                      /* LSB */
            configurationValue3;
   BYTE
} ZW_CONFIGURATION_SET_3BYTE_FRAME;
```

```
/***********************
/* Configuration Set 4byte command class structs */
typedef struct _ZW_CONFIGURATION_SET_4BYTE_FRAME_
                                    /* The command class */
          cmdClass;
          cmd;
                                    /* The command */
                                    /**/
         parameterNumber;
level;
   BYTE
                                    /* masked byte */
   BYTE
       configurationValue1;
configurationValue2;
configurationValue3;
configurationValue4;
                                    /* MSB */
   BYTE
   BYTE
                                    /* LSB */
   BYTE
} ZW_CONFIGURATION_SET_4BYTE_FRAME;
/* Configuration Bulk Get V2 command class structs ^{*}/
typedef struct _ZW_CONFIGURATION_BULK_GET_V2_FRAME_
                                    /* The command class */
          cmdClass;
   BYTE
       cmd;
cmd;
parameterOffset1;
parameterOffset2;
numberOfParameters;
                                    /* The command */
   BYTE
                                    /* MSB */
   BYTE
                                    /* LSB */
   BYTE
} ZW_CONFIGURATION_BULK_GET_V2_FRAME;
typedef struct _VG_CONFIGURATION_BULK_REPORT_1BYTE_V2_VG_
       parameter1;
} VG_CONFIGURATION_BULK_REPORT_1BYTE_V2_VG;
/* Configuration Bulk Report V2 variant group structs */
typedef struct _VG_CONFIGURATION_BULK_REPORT_2BYTE_V2_VG_
        parameter1;
           parameter2;
} VG_CONFIGURATION_BULK_REPORT_2BYTE_V2_VG;
/* Configuration Bulk Report V2 variant group structs */
typedef struct _VG_CONFIGURATION_BULK_REPORT_3BYTE_V2_VG_
        parameter1;
                                    /* MSB */
   BYTE
       parameter2;
   BYTE
           parameter3;
} VG_CONFIGURATION_BULK_REPORT_3BYTE_V2_VG;
typedef struct _VG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG_
       parameter1;
parameter2;
parameter3;
                                    /* MSB */
   BYTE
   BYTE
   BYTE
                                    /* LSB */
   BYTE
           parameter4;
} VG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG;
typedef struct _ZW_CONFIGURATION_BULK_REPORT_1BYTE_V2_FRAME_
                                    /* The command class */
   BYTE
         cmdClass;
                                    /* The command */
   BYTE
          cmd;
         cmd;
parameterOffset1;
parameterOffset2;
numberOfParameters;
reportsToFollow;
                                    /* MSB */
   BYTE
                                    /* LSB */
   BYTE
                                    /**/
   BYTE
                                    /**/
BYTE properties1; /* masked byte * VG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG variantgroup1; } ZW_CONFIGURATION_BULK_REPORT_1BYTE_V2_FRAME;
                                    /* masked byte */
                                                              /**/
```

```
typedef struct _ZW_CONFIGURATION_BULK_REPORT_2BYTE_V2_FRAME_
           cmdClass;
cmd;
parameterOffset1;
parameterOffset2;
numberOfParameters;
reportsToFollow;
properties1;
                                              /* The command class */
                                              /* The command */
                                              /* MSB */
                                              /* LSB */
/**/
    BYTE
    BYTE
                                              /**/
    BYTE
    BYTE properties1; /* masked byte vG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG variantgroup1; VG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG variantgroup2;
                                              /* masked byte */
} ZW_CONFIGURATION_BULK_REPORT_2BYTE_V2_FRAME;
typedef struct _ZW_CONFIGURATION_BULK_REPORT_3BYTE_V2_FRAME_
              cmdClass;
                                              /* The command class */
    BYTE
                                              /* The command */
    BYTE
             cmd;
                                              /* MSB */
            parameterOffset1;
            parameterOffset2;
numberOfParameters;
                                              /* LSB */
                                              /* LSB "/
/**/
/**/
/* masked byte */
    BYTE
    BYTE
             reportsToFollow;
    BYTE properties1; /* masked byte 'VG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG_variantgroup1; VG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG_variantgroup2; VG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG_variantgroup3;
} ZW_CONFIGURATION_BULK_REPORT_3BYTE_V2_FRAME;
typedef struct _ZW_CONFIGURATION_BULK_REPORT_4BYTE_V2_FRAME_
                                              /* The command class */
    BYTE
              cmdClass;
                                              /* The command */
    BYTE
             cmd;
             parameterOffset1;
                                              /* MSB */
             parameterOffset2;
numberOfParameters;
                                              /* LSB */
                                              /**/
/**/
    BYTE
    BYTE
              reportsToFollow;
BYTE properties1; /* masked byte *
VG CONFIGURATION BULK REPORT 4BYTE V2 VG variantgroup1;
VG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG variantgroup2;
VG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG variantgroup3;
VG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG variantgroup4;
} ZW_CONFIGURATION_BULK_REPORT_4BYTE_V2_FRAME;
                                              /* masked byte */
typedef struct _VG_CONFIGURATION_BULK_SET_1BYTE_V2_VG_
    BYTE parameter1;
} VG CONFIGURATION BULK SET 1BYTE V2 VG;
typedef struct _VG_CONFIGURATION_BULK_SET_2BYTE_V2_VG_
    BYTE parameter1;
                                              /* MSB */
              parameter2;
                                              /* LSB */
} VG_CONFIGURATION_BULK_SET_2BYTE_V2_VG;
typedef struct _VG_CONFIGURATION_BULK_SET_3BYTE_V2_VG_
         parameter1;
parameter2;
parameter3;
                                             /* MSB */
    BYTE
    BYTE
                                             /* LSB */
} VG_CONFIGURATION_BULK_SET_3BYTE_V2_VG;
^{\prime} ^{\prime} Configuration Bulk Set V2 variant group structs ^{*}/
```

```
typedef struct _VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG_
    BYTE
             parameter1;
                                             /* MSB */
           parameter2;
parameter3;
    BYTE
    BYTE
                                            /* LSB */
              parameter4;
    BYTE
} VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG;
typedef struct _ZW_CONFIGURATION_BULK_SET_1BYTE_V2_FRAME_
            cmdClass;
                                             /* The command class */
                                             /* The command */
/* MSB */
    BYTE
             cmd;
   BYTE parameterOffset1; /* MSB */
BYTE parameterOffset2; /* LSB */
BYTE numberOfParameters; /**/
BYTE properties1; /* masked by:
VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG_variantgroup1;
                                             /* masked byte */
                                                                           /**/
} ZW_CONFIGURATION_BULK_SET_1BYTE_V2_FRAME;
typedef struct _ZW_CONFIGURATION_BULK_SET_2BYTE_V2_FRAME_
                                             /* The command class */
    BYTE
             cmdClass;
                                             /* The command */
    BYTE
             cmd;
             parameterOffset1;
                                             /* MSB */
                                             /* LSB */
             parameterOffset2;
    BYTE
            numberOfParameters;
    BYTE
BYTE properties1; /* masked by VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG variantgroup1; VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG variantgroup2; } ZW_CONFIGURATION_BULK_SET_2BYTE_V2_FRAME;
                                            /* masked byte */
typedef struct _ZW_CONFIGURATION_BULK_SET_3BYTE_V2_FRAME_
          cmdClass;
cmd;
    BYTE
                                             /* The command class */
                                             /* The command */
    BYTE
            cmd;
parameterOffset1;
parameterOffset2;
numberOfParameters;
properties1:
                                             /* MSB */
    BYTE
                                             /* LSB */
    BYTE
                                             /**/
                                             /* masked byte */
              properties1;
    VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG_variantgroup1;
VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG_variantgroup2;
VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG_variantgroup3;
} ZW_CONFIGURATION_BULK_SET_3BYTE_V2_FRAME;
/* Configuration Bulk Set 4byte V2 command class structs */
typedef struct _ZW_CONFIGURATION_BULK_SET_4BYTE_V2_FRAME_
             cmdClass;
                                             /* The command class */
                                             /* The command */
    BYTE
                                             /* MSB */
    BYTE
             parameterOffset1;
             parameterOffset2;
                                             /* LSB */
    BYTE
             numberOfParameters;
                                             /* masked byte */
              properties1;
VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG variantgroup1;
VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG variantgroup2;
VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG variantgroup3;
VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG variantgroup4;
} ZW_CONFIGURATION_BULK_SET_4BYTE_V2_FRAME;
typedef struct _ZW_CONFIGURATION_GET_V2_FRAME_
                                             /* The command class */
/* The command */
/**/
             cmdClass;
            cmd;
    BYTE
              parameterNumber;
} ZW_CONFIGURATION_GET_V2_FRAME;
```

```
/* Configuration Report 1byte V2 command class structs */
typedef struct _ZW_CONFIGURATION_REPORT_1BYTE_V2_FRAME_
            cmdClass;
                                         /* The command class */
   BYTE
                                         /* The command */
   BYTE
            cmd;
          parameterNumber;
level;
configurationValuel;
   BYTE
   BYTE
                                         /* masked byte */
   BYTE
} ZW_CONFIGURATION_REPORT_1BYTE_V2_FRAME;
^{\prime} Configuration Report 2byte V2 command class structs */
typedef struct _ZW_CONFIGURATION_REPORT_2BYTE_V2_FRAME_
   BYTE
           cmdClass;
                                          /* The command class */
          cmdcrass;
cmd;
parameterNumber;
level;
configurationValuel;
ConfigurationValuel;
   BYTE
                                         /* The command */
   BYTE
                                         /**/
   BYTE
                                         /* masked byte */
                                          /* MSB */
   BYTE
                                         /* LSB */
            configurationValue2;
   BYTE
} ZW_CONFIGURATION_REPORT_2BYTE_V2_FRAME;
/* Configuration Report 3byte V2 command class structs */
typedef struct _ZW_CONFIGURATION_REPORT_3BYTE_V2_FRAME_
          cmdClass;
cmd;
parameterNumber;
level;
                                         /* The command class */
   BYTE
                                         /* The command */
   BYTE
   BYTE
                                        /* masked byte */
/* MSB */
   BYTE
         configurationValue1;
configurationValue2;
configurationValue3;
   BYTE
   BYTE
                                        /* LSB */
} ZW_CONFIGURATION_REPORT_3BYTE_V2_FRAME;
typedef struct _ZW_CONFIGURATION_REPORT_4BYTE_V2_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
           cmd;
                                         /* The command */
   BYTE
           parameterNumber;
   BYTE
                                         /* masked byte */
   BYTE
            level;
        configurationValue1;
configurationValue2;
configurationValue3;
configurationValue4;
   BYTE
   BYTE
   BYTE
                                         /* LSB */
   BYTE
} ZW_CONFIGURATION_REPORT_4BYTE_V2_FRAME;
/* Configuration Set 1byte V2 command class structs */
typedef struct _ZW_CONFIGURATION_SET_1BYTE_V2_FRAME_
            cmdClass;
                                         /* The command class */
                                         /* The command */
          parameterNumber; level;
   BYTE
   BYTE
                                         /* masked byte */
   BYTE
            configurationValue1;
   BYTE
} ZW_CONFIGURATION_SET_1BYTE_V2_FRAME;
/* Configuration Set 2byte V2 command class structs */
typedef struct _ZW_CONFIGURATION_SET_2BYTE V2 FRAME
         cmdClass;
cmd;
parameterNumber;
level;
configurationValue1;
configurationValue2;
                                         /\star The command class \star/
                                          /* The command */
   BYTE
                                         /**/
   BYTE
                                         /* masked byte */
   BYTE
                                         /* MSB */
   BYTE
} ZW_CONFIGURATION_SET_2BYTE_V2_FRAME;
```

```
typedef struct _ZW_CONFIGURATION_SET_3BYTE_V2_FRAME_
   BYTE
          cmdClass;
                                     /* The command class */
          cmd;
                                     /* The command */
   BYTE
          parameterNumber;
   BYTE
                                    /* masked byte */
           level;
   BYTE
        configurationValue1;
configurationValue2;
                                    /* MSB */
   BYTE
                                    /* LSB */
   BYTE
           configurationValue3;
} ZW_CONFIGURATION_SET_3BYTE_V2_FRAME;
/* Configuration Set 4byte V2 command class structs */
typedef struct _ZW_CONFIGURATION_SET_4BYTE_V2_FRAME_
          cmdClass;
                                     /* The command class */
   BYTE
          cmd;
                                     /* The command */
         parameterNumber;
level;
   BYTE
                                    /**/
   BYTE
                                     /* masked byte */
        configurationValue1;
configurationValue2;
configurationValue3;
configurationValue4;
                                     /* MSB */
   BYTE
   BYTE
   BYTE
                                    /* LSB */
} ZW CONFIGURATION SET 4BYTE V2 FRAME;
typedef struct _ZW_CONFIGURATION_BULK_GET_V3_FRAME_
                                     /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
/* MSB */
          cmd;
   BYTE
           parameterOffset1;
   BYTE
        parameterOffset1;
   BYTE
                                     /* LSB */
           numberOfParameters;
} ZW_CONFIGURATION_BULK_GET_V3_FRAME;
typedef struct _VG_CONFIGURATION_BULK_REPORT_1BYTE_V3_VG_
   BYTE parameter1;
} VG_CONFIGURATION_BULK_REPORT_1BYTE_V3_VG;
/* Configuration Bulk Report V3 variant group structs */
typedef struct _VG_CONFIGURATION_BULK_REPORT_2BYTE_V3_VG_
         parameter1;
   BYTE
                                     /* MSB */
           parameter2;
} VG_CONFIGURATION_BULK_REPORT_2BYTE_V3_VG;
typedef struct _VG_CONFIGURATION_BULK_REPORT_3BYTE_V3_VG_
       parameter1;
parameter2;
                                    /* MSB */
   BYTE
   BYTE
           parameter3;
   BYTE
                                    /* LSB */
} VG_CONFIGURATION_BULK_REPORT_3BYTE_V3_VG;
/* Configuration Bulk Report V3 variant group structs */
typedef struct _VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG_
        parameter1;
parameter2;
parameter3;
   BYTE
                                     /* MSB */
   BYTE
   BYTE
                                    /* LSB */
   BYTE
           parameter4;
} VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG;
/* Configuration Bulk Report 1byte V3 command class structs */
typedef struct _ZW_CONFIGURATION_BULK_REPORT_1BYTE_V3_FRAME_
```

```
cmdClass;
                                            /* The command class */
                                            /* The command */
   BYTE
             cmd;
                                           /* MSB */
   BYTE
             parameterOffset1;
                                           /* LSB */
             parameterOffset2;
   BYTE
                                           /**/
   BYTE
             numberOfParameters;
             reportsToFollow;
   BYTE
                                           /* masked byte */
             properties1;
   VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG variantgroup1;
} ZW_CONFIGURATION_BULK_REPORT_1BYTE_V3_FRAME;
typedef struct _ZW_CONFIGURATION_BULK_REPORT_2BYTE_V3_FRAME_
                                           /* The command class */
             cmdClass;
   BYTE
                                           /* The command */
   BYTE
             cmd;
   BYTE
            parameterOffset1;
                                           /* MSB */
            parameterOffset2;
                                           /* LSB */
            numberOfParameters;
reportsToFollow;
                                           /**/
/**/
   BYTE
   BYTE
                                           /* masked byte */
             properties1;
   BYTE
   VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG_variantgroup1;
VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG_variantgroup2;
} ZW CONFIGURATION BULK REPORT 2BYTE V3 FRAME;
   typedef struct _ZW_CONFIGURATION_BULK_REPORT_3BYTE_V3_FRAME_
                                           /* The command class */
   BYTE
             cmdClass;
                                           /* The command */
/* MSB */
   BYTE
            cmd;
             parameterOffset1;
   BYTE
           parameterOffset2;
numberOfParameters;
   BYTE
                                           /* LSB */
                                           /**/
            reportsToFollow;
                                           /**/
   BYTE
   PYTE properties1; /* masked byte 'VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG variantgroup1; VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG variantgroup2; VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG variantgroup3;
                                           /* masked byte */
} ZW_CONFIGURATION_BULK_REPORT_3BYTE_V3_FRAME;
   typedef struct _ZW_CONFIGURATION_BULK_REPORT_4BYTE_V3_FRAME_
   BYTE
             cmdClass;
                                           /\star The command class \star/
                                           /* The command */
   BYTE
             cmd;
             parameterOffset1;
                                           /* MSB */
   BYTE
           parameterOffset2;
numberOfParameters;
                                           /* LSB */
   BYTE
                                           /**/
            reportsToFollow;
                                           /**/
                                           /* masked byte */
   BYTE
             properties1;
VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG variantgroup2;
VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG variantgroup2;
VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG variantgroup3;
VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG variantgroup4;
} ZW_CONFIGURATION_BULK_REPORT_4BYTE_V3_FRAME;
/* Configuration Bulk Set V3 variant group structs */
typedef struct _VG_CONFIGURATION_BULK_SET_1BYTE_V3_VG_
             parameter1;
   BYTE
} VG_CONFIGURATION_BULK_SET_1BYTE_V3_VG;
typedef struct _VG_CONFIGURATION_BULK_SET_2BYTE_V3_VG_
         parameter1;
                                           /* MSB */
   BYTE
             parameter2;
} VG_CONFIGURATION_BULK_SET_2BYTE_V3_VG;
^{\prime} ^{\prime} Configuration Bulk Set V3 variant group structs ^{*}/
```

```
typedef struct _VG_CONFIGURATION_BULK_SET_3BYTE_V3_VG_
           parameter1;
parameter2;
    BYTE
                                              /* MSB */
    BYTE
                                             /* LSB */
    BYTE
              parameter3;
} VG_CONFIGURATION_BULK_SET_3BYTE_V3_VG;
/* Configuration Bulk Set V3 variant group structs */
typedef struct _VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG_
            parameter1;
parameter2;
parameter3;
    BYTE
    BYTE
    BYTE
                                              /* LSB */
              parameter4;
    BYTE
} VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG;
/* Configuration Bulk Set 1byte V3 command class structs */
typedef struct _ZW_CONFIGURATION_BULK_SET_1BYTE_V3_FRAME_
             cmdClass;
                                              /* The command class */
                                              /* The command */
/* MSB */
    BYTE
              cmd;
    BYTE
            parameterOffset1;
            parameterOffset1;
parameterOffset2;
numberOfParameters;
                                              /* LSB */
    BYTE
    BYTE
                                              /* masked byte */
              properties1;
    VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG variantgroup1;
                                                                            /**/
} ZW_CONFIGURATION_BULK_SET_1BYTE_V3_FRAME;
typedef struct _ZW_CONFIGURATION_BULK_SET_2BYTE_V3_FRAME_
    BYTE
             cmdClass;
                                              /\star The command class \star/
                                              /* The command */
    RYTE
              cmd;
            parameterOffset1;
                                              /* MSB */
    BYTE
                                              /* LSB */
             parameterOffset2;
            numberOfParameters;
BYTE properties1; /* masked by VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG variantgroup1; VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG variantgroup2; } ZW_CONFIGURATION_BULK_SET_2BYTE_V3_FRAME;
                                              /* masked byte */
/* Configuration Bulk Set 3byte V3 command class structs */
typedef struct _ZW_CONFIGURATION_BULK_SET_3BYTE_V3_FRAME_
                                              /\star The command class \star/
             cmdClass;
                                              /* The command */
                                              /* MSB */
            parameterOffset1;
    BYTE
             parameterOffset2;
                                              /* LSB */
    BYTE
                                              /**/
             numberOfParameters;
    BYTE
                                              /* masked byte */
              properties1;
VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG variantgroup1;
VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG variantgroup2;
VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG variantgroup3;
} ZW_CONFIGURATION_BULK_SET_3BYTE_V3_FRAME;
typedef struct _ZW_CONFIGURATION_BULK_SET_4BYTE_V3_FRAME_
    BYTE
             cmdClass;
                                              /* The command class */
                                              /* The command */
    BYTE
             cmd;
             parameterOffset1;
                                              /* MSB */
              parameterOffset2;
                                               /* LSB */
    BYTE
    BYTE
             numberOfParameters;
BYTE properties1; /* masked by VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG variantgroup1; VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG variantgroup2; VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG variantgroup3; VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG variantgroup4; } ZW_CONFIGURATION_BULK_SET_4BYTE_V3_FRAME;
                                              /* masked byte */
```

```
/* Configuration Get V3 command class structs */
typedef struct _ZW_CONFIGURATION_GET_V3_FRAME_
                                             /* The command class */
    BYTE
             cmdClass;
           cmd;
                                            /* The command */
   BYTE
             parameterNumber;
} ZW_CONFIGURATION_GET_V3_FRAME;
/* Configuration Report 1byte V3 command class structs */
typedef struct _ZW_CONFIGURATION_REPORT_1BYTE_V3_FRAME_
                                             /* The command class */
   BYTE
             cmdClass;
                                             /* The command */
   BYTE
            cmd;
   BYTE
           parameterNumber;
level;
configurationValuel;
    BYTE
                                             /* masked byte */
} ZW_CONFIGURATION_REPORT_1BYTE_V3_FRAME;
/* Configuration Report 2byte V3 command class structs */
typedef struct _ZW_CONFIGURATION_REPORT_2BYTE_V3_FRAME_
   BYTE
                                             /* The command class */
             cmdClass;
                                            /* The command */
          cmd;
cmd;
parameterNumber;
level;
configurationValuel;
configurationValue2;
    BYTE
    BYTE
                                            /* masked byte */
    BYTE
                                             /* MSB */
    BYTE
                                             /* LSB */
   BYTE
} ZW_CONFIGURATION_REPORT_2BYTE_V3_FRAME;
/************************
/* Configuration Report 3byte V3 command class structs */
typedef struct _ZW_CONFIGURATION_REPORT_3BYTE_V3_FRAME_
          cmdClass;
cmd;
parameterNumber;
level;
configurationValue1;
configurationValue2;
configurationValue3;
                                            /* The command class */
    BYTE
                                            /* The command */
                                            /**/
                                            /* masked byte */
/* MSB */
   BYTE
   BYTE
   BYTE
                                            /* LSB */
   BYTE
} ZW_CONFIGURATION_REPORT_3BYTE_V3_FRAME;
/***********************
typedef struct _ZW_CONFIGURATION_REPORT_4BYTE_V3_FRAME
         cmdClass;
cmd;
parameterNumber;
level;
configurationValue1;
configurationValue2;
configurationValue3;
configurationValue4;
                                            /* The command class */
    BYTE
                                             /* The command */
   BYTE
   BYTE
                                            /* masked byte */
    BYTE
                                            /* MSB */
   BYTE
    BYTE
                                            /* LSB */
   BYTE
             configurationValue4;
} ZW_CONFIGURATION_REPORT_4BYTE_V3_FRAME;
/* Configuration Set 1byte V3 command class structs */
typedef struct _ZW_CONFIGURATION_SET_1BYTE_V3_FRAME_
   BYTE
             cmdClass;
                                            /* The command class */
             cmd;
                                            /* The command */
   BYTE
           parameterNumber; level;
                                            /**/
                                             /* masked byte */
    BYTE
              configurationValue1;
   BYTE
} ZW_CONFIGURATION_SET_1BYTE_V3_FRAME;
/* Configuration Set 2byte V3 command class structs */
typedef struct _ZW_CONFIGURATION_SET_2BYTE_V3_FRAME_
    BYTE
            cmdClass;
                                             /* The command class */
```

```
cmd;
                                         /* The command */
            parameterNumber;
   BYTE
   BYTE
            level;
                                         /* masked byte */
           configurationValue1;
                                         /* MSB */
   BYTE
                                         /* LSB */
             configurationValue2;
   BYTE
} ZW_CONFIGURATION_SET_2BYTE_V3_FRAME;
/* Configuration Set 3byte V3 command class structs */
typedef struct _ZW_CONFIGURATION_SET_3BYTE_V3_FRAME
   BYTE
                                         /* The command class */
            cmdClass;
                                         /* The command */
   BYTE
           cmd;
   BYTE
            parameterNumber;
                                         /* masked byte */
   BYTE
            level;
         configurationValue1;
configurationValue2;
configurationValue3;
                                         /* MSB */
   BYTE
   BYTE
                                         /* LSB */
} ZW_CONFIGURATION_SET_3BYTE_V3_FRAME;
/* Configuration Set 4byte V3 command class structs */
typedef struct _ZW_CONFIGURATION_SET_4BYTE_V3_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
           cmd;
parameterNumber;
                                         /* The command */
   BYTE
   BYTE
                                         /* masked byte */
   BYTE configurationValue1;
BYTE configurationValue2;
BYTE configurationValue3;
BYTE configurationValue3;
   BYTE
            level;
                                         /* MSB */
                                         /* LSB */
} ZW_CONFIGURATION_SET_4BYTE_V3_FRAME;
/* Configuration Name Get V3 command class structs */
typedef struct _ZW_CONFIGURATION_NAME_GET_V3_FRAME
            cmdClass;
                                         /* The command class */
                                         /* The command */
   BYTE
           cmd;
          parameterNumber1;
                                         /* MSB */
   BYTE
                                         /* LSB */
BYTE parameterNumber2;
} ZW_CONFIGURATION_NAME_GET_V3_FRAME;
typedef struct _ZW_CONFIGURATION_NAME_REPORT_1BYTE_V3_FRAME_
                                          /* The command class */
            cmdClass;
                                         /* The command */
         cma;
parameterNumber1;
parameterNumber2;
reportsToFollow;
name1;
                                         /* MSB */
   BYTE
                                          /* LSB */
   BYTE
   BYTE
            name1;
} ZW_CONFIGURATION_NAME_REPORT_1BYTE_V3_FRAME;
typedef struct _ZW_CONFIGURATION_NAME_REPORT_2BYTE_V3_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
                                         /* The command */
/* MSB */
   BYTE
            cmd;
            parameterNumber1;
   BYTE
           parameterNumber2; reportsToFollow;
                                         /* LSB */
   BYTE
   BYTE
          name1;
name2;
                                          /* MSB */
} ZW_CONFIGURATION_NAME_REPORT_2BYTE_V3_FRAME;
/* Configuration Name Report 3byte V3 command class structs */
typedef struct _ZW_CONFIGURATION_NAME_REPORT_3BYTE_V3_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
                                         /* The command */
   BYTE
            cmd;
```

```
parameterNumber1;
                                         /* MSB */
                                         /* LSB */
            parameterNumber2;
   BYTE
   BYTE
            reportsToFollow;
                                         /* MSB */
   BYTE
           name1;
          name2;
   BYTE
                                        /* LSB */
            name3;
   BYTE
} ZW_CONFIGURATION_NAME_REPORT_3BYTE_V3_FRAME;
typedef struct _ZW_CONFIGURATION_NAME_REPORT_4BYTE_V3_FRAME_
   BYTE
           cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
            cmd;
           parameterNumber1;
                                        /* MSB */
          parameterNumber1;
parameterNumber2;
reportsToFollow;
name1;
   BYTE
                                        /* LSB */
   BYTE
   BYTE
   BYTE
                                        /* MSB */
         name2;
name3;
   BYTE
   BYTE
                                         /* LSB */
   BYTE
            name4;
} ZW_CONFIGURATION_NAME_REPORT_4BYTE_V3_FRAME;
/* Configuration Info Get V3 command class structs */
typedef struct _ZW_CONFIGURATION_INFO_GET_V3_FRAME
          cmdClass;
cmd;
parameterNumber1;
parameterNumber2;
                                        /* The command class */
                                        /* The command */
   BYTE
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
            parameterNumber2;
} ZW_CONFIGURATION_INFO_GET_V3_FRAME;
/\star Configuration Info Report 1byte V3 command class structs \star/
typedef struct _ZW_CONFIGURATION_INFO_REPORT_1BYTE_V3_FRAME_
          cmdClass;
                                         /* The command class */
          cmd;
parameterNumber1;
                                         /* The command */
                                         /* MSB */
   BYTE
                                         /* LSB */
         parameterNumber2;
reportsToFollow;
info1;
   BYTE
   BYTE
} ZW CONFIGURATION INFO REPORT 1BYTE V3 FRAME;
typedef struct _ZW_CONFIGURATION_INFO_REPORT_2BYTE_V3_FRAME
         cmdClass;
cmd;
parameterNumber1;
                                        /* The command class */
   BYTE
                                        /* The command */
/* MSB */
   BYTE
   BYTE
        parameter.Number1;
parameterNumber2;
reportsToFollow;
info1;
info2;
                                        /* LSB */
   BYTE
   BYTE
                                        /* MSB */
/* LSB */
} ZW_CONFIGURATION_INFO_REPORT_2BYTE_V3_FRAME;
/* Configuration Info Report 3byte V3 command class structs */
typedef struct _ZW_CONFIGURATION_INFO_REPORT_3BYTE_V3_FRAME_
          cmdClass;
                                        /* The command class */
   BYTE
          cmd;
cmd;
parameterNumber1;
                                         /* The command */
   BYTE
           parameterNumber1;
parameterNumber2;
reportsToFollow;
infol;
                                         /* MSB */
   BYTE
                                         /* LSB */
   BYTE
                                         /* MSB */
   BYTE
   BYTE
         info2;
info3;
                                         /* LSB */
   BYTE
} ZW_CONFIGURATION_INFO_REPORT_3BYTE_V3_FRAME;
typedef struct ZW CONFIGURATION INFO REPORT 4BYTE V3 FRAME
```

```
{
   BYTE
           cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
            cmd;
            parameterNumber1;
                                        /* MSB */
   BYTE
                                        /* LSB */
            parameterNumber2;
   BYTE
   BYTE
            reportsToFollow;
                                        /* MSB */
   BYTE
            info1;
   BYTE
            info2;
   BYTE
            info3;
                                        /* LSB */
   BYTE
            info4:
} ZW_CONFIGURATION_INFO_REPORT_4BYTE_V3_FRAME;
/* Configuration Properties Get V3 command class structs */
typedef struct _ZW_CONFIGURATION_PROPERTIES_GET_V3_FRAME_
           cmdClass;
                                        /* The command class */
          cmd;
                                        /* The command */
   BYTE
          parameterNumber1;
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
            parameterNumber2;
} ZW_CONFIGURATION_PROPERTIES_GET_V3_FRAME;
/* Configuration Properties Report 1byte V3 command class structs */
typedef struct _ZW_CONFIGURATION_PROPERTIES_REPORT_1BYTE_V3_FRAME_
           cmdClass;
                                        /* The command class */
                                        /* The command */
           cmd;
                                        /* MSB */
/* LSB */
           parameterNumber1;
   BYTE
   BYTE
            parameterNumber2;
                                        /* masked byte */
   BYTE
           properties1;
minValue1;
   BYTE
           maxValue1;
defaultValue1;
   BYTE
   BYTE
         nextParameterNumber1;
nextParameterNumber2;
                                       /* MSB */
   BYTE
} ZW_CONFIGURATION_PROPERTIES_REPORT_1BYTE_V3_FRAME;
/* Configuration Properties Report 2byte V3 command class structs */
typedef struct _ZW_CONFIGURATION_PROPERTIES_REPORT_2BYTE_V3_FRAME_
           cmdClass;
                                        /* The command class */
                                        /* The command */
            cmd;
                                        /* MSB */
/* LSB */
   BYTE
           parameterNumber1;
   BYTE
            parameterNumber2;
                                        /* masked byte */
   BYTE
            properties1;
                                        /* MSB */
   BYTE
            minValue1;
           minValue2;
                                        /* LSB */
   BYTE
           maxValue1;
                                        /* LSB */
/* MSB */
   BYTE
           maxValue2;
   BYTE
           defaultvalue2;
defaultValue2;
            defaultValue1;
                                        /* LSB */
   BYTE
         nextParameterNumber1;
                                       /* MSB */
   BYTE
            nextParameterNumber2;
} ZW_CONFIGURATION_PROPERTIES_REPORT_2BYTE_V3_FRAME;
typedef struct _ZW_CONFIGURATION_PROPERTIES_REPORT_3BYTE_V3_FRAME_
   BYTE
            cmdClass;
                                        /* The command class */
                                        /* The command */
/* MSB */
   BYTE
            cmd;
            parameterNumber1;
   BYTE
                                        /* LSB */
   BYTE
            parameterNumber2;
                                        /* masked byte */
   BYTE
            properties1;
            minValue1;
                                        /* MSB */
   BYTE
            minValue2;
                                        /* LSB */
   BYTE
            minValue3;
                                        /* MSB */
            maxValue1;
   BYTE
            maxValue2;
   BYTE
   BYTE
            maxValue3;
                                        /* LSB */
                                        /* MSB */
   BYTE
            defaultValue1;
   BYTE
            defaultValue2;
                                        /* LSB */
   BYTE
            defaultValue3;
           nextParameterNumber1;
                                        /* MSB */
   BYTE
                                        /* LSB */
            nextParameterNumber2;
```

```
} ZW CONFIGURATION PROPERTIES REPORT 3BYTE V3 FRAME;
/

/* Configuration Properties Report 4byte V3 command class structs */

/*********************/
typedef struct _ZW_CONFIGURATION_PROPERTIES_REPORT_4BYTE_V3_FRAME_
                                     /* The command class */
/* The command */
   BYTE
   BYTE
           cmd;
                                    /* MSB */
           parameterNumber1;
   BYTE
                                    /* LSB */
           parameterNumber2;
   BYTE
                                    /* masked byte */
           properties1;
   BYTE
                                    /* MSB */
           minValue1;
   BYTE
          minValue2;
   BYTE
           minValue3;
                                    /* LSB */
   BYTE
           minValue4;
          maxValue1;
maxValue2;
                                    /* MSB */
   BYTE
   BYTE
          maxValue3;
   BYTE
        maxValue;
maxValue4;
defaultValue1;
defaultValue2;
defaultValue3;
defaultValue4;
nextParameterNumber1;
/* MSB */
nextParameterNumber2;
/* LSB */
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
} ZW_CONFIGURATION_PROPERTIES_REPORT_4BYTE_V3_FRAME;
typedef struct _ZW_CONFIGURATION_BULK_GET_V4_FRAME_
   BYTE
          cmdClass;
                                     /* The command class */
         cmd;
parameterOffset1;
   BYTE
                                     /* The command */
                                     /* MSB */
        parameterOffset2;
   BYTE
                                     /* LSB */
   BYTE
           numberOfParameters;
} ZW_CONFIGURATION_BULK_GET_V4_FRAME;
/* Configuration Bulk Report V4 variant group structs */
typedef struct _VG_CONFIGURATION_BULK_REPORT_1BYTE_V4_VG_
           parameter1;
} VG_CONFIGURATION_BULK_REPORT_1BYTE_V4_VG;
typedef struct _VG_CONFIGURATION_BULK_REPORT_2BYTE_V4_VG_
        parameter1;
                                     /* MSB */
   BYTE
           parameter2;
} VG_CONFIGURATION_BULK_REPORT_2BYTE_V4_VG;
/* Configuration Bulk Report V4 variant group structs */
typedef struct _VG_CONFIGURATION_BULK_REPORT_3BYTE_V4_VG_
          parameter1;
                                     /* MSB */
   BYTE parameter2;
BYTE parameter3;
} VG_CONFIGURATION_BULK_REPORT_3BYTE_V4_VG;
/* Configuration Bulk Report V4 variant group structs */
typedef struct _VG_CONFIGURATION_BULK_REPORT_4BYTE_V4_VG_
                                    /* MSB */
   BYTE
          parameter1;
        parameter2;
parameter3;
   BYTE
   BYTE
   BYTE
           parameter4;
                                    /* LSB */
} VG_CONFIGURATION_BULK_REPORT_4BYTE_V4_VG;
```

```
typedef struct _ZW_CONFIGURATION_BULK_REPORT_1BYTE_V4_FRAME_
              cmdClass;
    BYTE
                                              /* The command class */
            cmd;
                                              /* The command */
/* MSB */
    BYTE
             parameterOffset1;
    BYTE
            parameterOffset1;
parameterOffset2;
numberOfParameters;
reportsToFollow;
propertion1;
                                              /* LSB */
    BYTE
                                              /**/
    BYTE
    BYTE reportsToFollow; /**/
BYTE properties1; /* masked byte */
VG_CONFIGURATION_BULK_REPORT_4BYTE_V4_VG variantgroup1;
} ZW_CONFIGURATION_BULK_REPORT_1BYTE_V4_FRAME;
typedef struct _ZW_CONFIGURATION_BULK_REPORT_2BYTE_V4_FRAME_
             cmdClass;
                                              /* The command class */
                                             /* The command */
    BYTE
             cmd;
                                             /* MSB */
/* LSB */
    BYTE
             parameterOffset1;
            parameterOffset1;
parameterOffset2;
numberOfParameters;
    BYTE
                                              /**/
    BYTE
             reportsToFollow;
                                             /**/
    BYTE
              properties1;
                                              /* masked byte */
VG_CONFIGURATION_BULK_REPORT_4BYTE_V4_VG variantgroup1; VG_CONFIGURATION_BULK_REPORT_4BYTE_V4_VG variantgroup2; } ZW_CONFIGURATION_BULK_REPORT_2BYTE_V4_FRAME;
                                                                               /**/
typedef struct _ZW_CONFIGURATION_BULK_REPORT_3BYTE_V4_FRAME_
    BYTE
             cmdClass;
                                              /* The command class */
            cmd;
parameterOffset1;
                                              /* The command */
    BYTE
                                              /* MSB */
            parameterOffset2;
numberOfParameters;
reportsToFollow;
                                              /* LSB */
    BYTE
                                              /**/
    BYTE
                                              /**/
    BYTE
   BYTE properties1; /* masked byte 'VG_CONFIGURATION_BULK_REPORT_4BYTE_V4_VG variantgroup1; VG_CONFIGURATION_BULK_REPORT_4BYTE_V4_VG variantgroup2; VG_CONFIGURATION_BULK_REPORT_4BYTE_V4_VG variantgroup3;
                                              /* masked byte */
} ZW_CONFIGURATION_BULK_REPORT_3BYTE_V4_FRAME;
/* Configuration Bulk Report 4byte V4 command class structs */
typedef struct _ZW_CONFIGURATION_BULK_REPORT_4BYTE_V4_FRAME_
                                              /* The command class */
    BYTE
             cmdClass;
            cmd;
parameterOffset1;
                                              /* The command */
    BYTE
                                              /* MSB */
            parameterOffset2;
numberOfParameters;
                                              /* LSB */
    BYTE
                                              /**/
    BYTE
                                              /**/
             reportsToFollow;
    BYTE
BYTE properties1; /** masked byte 'VG CONFIGURATION BULK REPORT 4BYTE V4 VG variantgroup1; VG CONFIGURATION BULK REPORT 4BYTE V4 VG variantgroup2; VG CONFIGURATION BULK REPORT 4BYTE V4 VG variantgroup3; VG CONFIGURATION BULK REPORT 4BYTE V4 VG variantgroup4; } ZW CONFIGURATION BULK REPORT 4BYTE V4 FRAME;
                                              /* masked byte */
typedef struct _VG_CONFIGURATION_BULK_SET_1BYTE_V4_VG_
    BYTE
              parameter1;
} VG_CONFIGURATION_BULK_SET_1BYTE_V4_VG;
typedef struct _VG_CONFIGURATION_BULK_SET_2BYTE_V4_VG_
            parameter1;
                                              /* MSB */
              parameter2;
                                              /* LSB */
} VG_CONFIGURATION_BULK_SET_2BYTE_V4_VG;
```

```
^{\prime \star} Configuration Bulk Set V4 variant group structs ^{\star \prime}
typedef struct _VG_CONFIGURATION_BULK_SET_3BYTE_V4_VG_
    BYTE
                                                  /* MSB */
               parameter1;
            parameter2;
    BYTE
                parameter3;
                                                   /* LSB */
} VG_CONFIGURATION_BULK_SET_3BYTE_V4_VG;
/^{\star} Configuration Bulk Set V4 variant group structs ^{\star}/
typedef struct _VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG_
    BYTE
               parameter1;
                                                   /* MSB */
            parameter1;
parameter2;
parameter3;
    BYTE
    BYTE
                parameter4;
                                                   /* LSB */
} VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG;
typedef struct _ZW_CONFIGURATION_BULK_SET_1BYTE_V4_FRAME_
              cmdClass;
                                                   /* The command class */
                                                   /* The command */
/* MSB */
    BYTE
               cmd;
             cmd;
parameterOffset1;
parameterOffset2;
numberOfParameters;
properties1:
    BYTE
                                                   /* LSB */
                                                   /* masked byte */
                properties1;
    VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG variantgroup1;
                                                                                    /**/
} ZW_CONFIGURATION_BULK_SET_1BYTE_V4_FRAME;
/* Configuration Bulk Set 2byte V4 command class structs */
typedef struct _ZW_CONFIGURATION_BULK_SET_2BYTE_V4_FRAME_
            cmdClass;
cmd;
parameterOffset1;
parameterOffset2;
numberOfParameters;
properties1.
                                                   /* The command class */
    BYTE
                                                   /* The command */
                                                   /* MSB */
                                                  /* LSB */
/**/
    BYTE
    BYTE
BYTE properties1; /* masked by VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG variantgroup1; VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG variantgroup2; } ZW_CONFIGURATION_BULK_SET_2BYTE_V4_FRAME;
                                                   /* masked byte */
typedef struct _ZW_CONFIGURATION_BULK_SET_3BYTE_V4_FRAME_
              cmdClass;
                                                   /* The command class */
    BYTE
                                                   /* The command */
    BYTE
               cmd;
                                                   /* MSB */
             parameterOffset1;
    BYTE
              parameterOffset1;
parameterOffset2;
numberOfParameters;
                                                   /* LSB */
    BYTE numberorralameters, // masked by VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG variantgroup1; VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG variantgroup2; VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG variantgroup3;
                                                  /* masked byte */
} ZW_CONFIGURATION_BULK_SET_3BYTE_V4_FRAME;
/***********************
typedef struct _ZW_CONFIGURATION_BULK_SET_4BYTE V4 FRAME
                                                   /\,^{\star} The command class ^{\star}/\,
               cmdClass;
             cmdClass;
cmd;
parameterOffset1;
parameterOffset2;
numberOfParameters;
                                                   /* The command */
    BYTE
                                                   /* MSB */
    BYTE
                                                   /* LSB */
    BYTE
                                                   /**/
                                                   /* masked byte */
                properties1;
VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG variantgroup1;
VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG variantgroup2;
VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG variantgroup3;
VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG variantgroup4;
} ZW_CONFIGURATION_BULK_SET_4BYTE_V4_FRAME;
```

```
/**********************
/* Configuration Get V4 command class structs */
typedef struct _ZW_CONFIGURATION_GET_V4_FRAME_
                                       /* The command class */
           cmdClass;
        cmd;
parameterNumber;
                                       /* The command */
   BYTE
} ZW_CONFIGURATION_GET_V4_FRAME;
/* Configuration Report 1byte V4 command class structs */
typedef struct _ZW_CONFIGURATION_REPORT_1BYTE_V4_FRAME_
   BYTE
          cmdClass;
                                       /* The command class */
        cmd;
parameterNumber;
level;
configurationValuel;
   BYTE
                                      /* The command */
                                       /**/
   BYTE
   BYTE
                                       /* masked byte */
   BYTE
} ZW_CONFIGURATION_REPORT_1BYTE_V4_FRAME;
/* Configuration Report 2byte V4 command class structs */
typedef struct _ZW_CONFIGURATION_REPORT_2BYTE_V4_FRAME_
                                       /* The command class */
           cmdClass;
                                       /* The command */
           cmd;
          parameterNumber;
level;
                                      /**/
   BYTE
                                      /* masked byte */
   BYTE
                                      /* MSB */
   BYTE
        configurationValue1;
                                      /* LSB */
           configurationValue2;
   BYTE
} ZW_CONFIGURATION_REPORT_2BYTE_V4_FRAME;
/* Configuration Report 3byte V4 command class structs */
typedef struct _ZW_CONFIGURATION_REPORT_3BYTE_V4_FRAME_
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
   BYTE
           parameterNumber;
       level;
configurationValue1;
configurationValue2;
configurationValue3;
                                      /* masked byte */
   BYTE
                                      /* MSB */
   BYTE
   BYTE
                                      /* LSB */
} ZW_CONFIGURATION_REPORT_3BYTE_V4_FRAME;
./* Configuration Report 4byte V4 command class structs */
typedef struct _ZW_CONFIGURATION_REPORT_4BYTE_V4_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
   BYTE
           cmd:
   BYTE
           parameterNumber;
                                      /* masked byte */
   BYTE
           level;
         configurationValue1;
configurationValue2;
configurationValue3;
   BYTE
                                      /* MSB */
   BYTE
   BYTE
                                      /* LSB */
   BYTE
            configurationValue4;
} ZW_CONFIGURATION_REPORT_4BYTE_V4_FRAME;
/***********************
/* Configuration Set 1byte V4 command class structs */
typedef struct _ZW_CONFIGURATION_SET_1BYTE V4 FRAME
        cmdClass;
cmd;
parameterNumber;
level;
configurationValuel;
   BYTE
                                      /* The command class */
                                       /* The command */
   BYTE
   BYTE
                                      /* masked byte */
   BYTE
   BYTE
} ZW_CONFIGURATION_SET_1BYTE_V4_FRAME;
/* Configuration Set 2byte V4 command class structs */
typedef struct _ZW_CONFIGURATION_SET_2BYTE_V4_FRAME_
```

```
{
           cmdClass;
                                          /\,^{\star} The command class ^{\star}/\,
   BYTE
                                          /* The command */
   BYTE
            cmd;
                                          /**/
            parameterNumber;
   BYTE
                                          /* masked byte */
   BYTE
             level;
           configurationValue1;
configurationValue2;
                                          /* MSB */
   BYTE
                                         /* LSB */
} ZW_CONFIGURATION_SET_2BYTE_V4_FRAME;
/* Configuration Set 3byte V4 command class structs ^{*}/
typedef struct _ZW_CONFIGURATION_SET_3BYTE_V4_FRAME_
                                          /* The command class */
   BYTE
            cmdClass;
                                          /* The command */
   BYTE
            cmd;
   BYTE
           parameterNumber;
level;
configurationValuel;
   BYTE
                                         /* masked byte */
   BYTE
                                         /* MSB */
         configurationValue2;
configurationValue3;
   BYTE
                                         /* LSB */
   BYTE
} ZW_CONFIGURATION_SET_3BYTE_V4_FRAME;
/* Configuration Set 4byte V4 command class structs */
typedef struct _ZW_CONFIGURATION_SET_4BYTE_V4_FRAME_
            cmdClass;
                                          /* The command class */
                                          /* The command */
            cmd;
           parameterNumber;
level;
                                          /**/
   BYTE
                                          /* masked byte */
   BYTE
           configurationValue1;
                                         /* MSB */
   BYTE
         configurationValue2;
configurationValue3;
configurationValue4;
   BYTE
   BYTE
                                         /* LSB */
} ZW_CONFIGURATION_SET_4BYTE_V4_FRAME;
^{\prime} /* Configuration Name Get V4 command class structs */
typedef struct _ZW_CONFIGURATION_NAME_GET_V4_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
                                         /* The command */
   BYTE
            cmd;
          parameterNumber1;
                                          /* MSB */
   BYTE
   BYTE
             parameterNumber2;
} ZW_CONFIGURATION_NAME_GET_V4_FRAME;
typedef struct _ZW_CONFIGURATION_NAME_REPORT_1BYTE_V4_FRAME_
           cmdClass;
                                          /* The command class */
   BYTE
                                          /* The command */
   BYTE
            cmd;
                                         /* MSB */
           parameterNumber1;
   BYTE
         parameterNumber1;
parameterNumber2;
reportsToFollow;
name1;
                                          /* LSB */
   BYTE
} ZW_CONFIGURATION_NAME_REPORT_1BYTE_V4_FRAME;
  /* Configuration Name Report 2byte V4 command class structs */
typedef struct _ZW_CONFIGURATION_NAME_REPORT_2BYTE_V4_FRAME_
          cmdClass;
                                          /* The command class */
   BYTE
           cmd;
parameterNumber1;
                                          /* The command */
   BYTE
         parameterNumber1;
parameterNumber2;
reportsToFollow;
name1;
                                          /* MSB */
   BYTE
                                          /* LSB */
                                          /**/
   BYTE
                                          /* MSB */
   BYTE
                                          /* LSB */
   BYTE
            name2;
} ZW CONFIGURATION_NAME_REPORT_2BYTE_V4_FRAME;
/* Configuration Name Report 3byte V4 command class structs */
typedef struct _ZW_CONFIGURATION_NAME_REPORT_3BYTE_V4_FRAME
```

```
cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
          cmd;
                                    /* MSB */
   BYTE
          parameterNumber1;
                                    /* LSB */
   BYTE
          parameterNumber2;
           reportsToFollow;
   BYTE
   BYTE
          name1;
                                    /* MSB */
         name2;
   BYTE
           name3;
                                    /* LSB */
} ZW_CONFIGURATION_NAME_REPORT_3BYTE_V4_FRAME;
typedef struct _ZW_CONFIGURATION_NAME_REPORT_4BYTE_V4_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
   BYTE
          cmd;
   BYTE
          parameterNumber1;
                                    /* MSB */
          parameterNumber2;
                                    /* LSB */
   BYTE
                                    /**/
/* MSB */
   BYTE
          reportsToFollow;
         name1;
name2;
   BYTE
   BYTE
         name3;
   BYTE
           name4;
} ZW CONFIGURATION NAME REPORT 4BYTE V4 FRAME;
typedef struct _ZW_CONFIGURATION_INFO_GET_V4_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                   /* The command */
/* MSB */
        cmd;
parameterNumber1;
   BYTE
           parameterNumber2;
                                    /* LSB */
   BYTE
} ZW CONFIGURATION INFO GET V4 FRAME;
typedef struct _ZW_CONFIGURATION_INFO_REPORT_1BYTE_V4_FRAME_
        cmdClass;
                                    /* The command class */
   BYTE
                                    /* The command */
   BYTE
                                    /* MSB */
         parameterNumber1;
   BYTE
         parameterNumber2;
reportsToFollow;
infol;
                                    /* LSB */
   BYTE
} ZW_CONFIGURATION_INFO_REPORT_1BYTE_V4_FRAME;
typedef struct _ZW_CONFIGURATION_INFO_REPORT_2BYTE_V4_FRAME_
                                    /* The command class */
          cmdClass;
   BYTE
                                    /* The command */
   BYTE
          cmd;
parameterNumber1;
                                    /* MSB */
          parameterNumber2;
                                    /* LSB */
   BYTE
   BYTE
          reportsToFollow;
        info1;
info2;
                                    /* MSB */
   BYTE
                                    /* LSB */
   BYTE
} ZW_CONFIGURATION_INFO_REPORT_2BYTE_V4_FRAME;
/* Configuration Info Report 3byte V4 command class structs */
typedef struct _ZW_CONFIGURATION_INFO_REPORT_3BYTE_V4_FRAME_
          cmdClass;
                                    /* The command class */
                                    /* The command */
                                    /* MSB */
          parameterNumber1;
   BYTE
                                    /* LSB */
   BYTE
          parameterNumber2;
   BYTE
          reportsToFollow;
          infol;
                                    /* MSB */
   BYTE
         info2;
info3;
   BYTE
                                    /* LSB */
} ZW_CONFIGURATION_INFO_REPORT_3BYTE_V4_FRAME;
/* Configuration Info Report 4byte V4 command class structs */
```

```
typedef struct _ZW_CONFIGURATION_INFO_REPORT_4BYTE_V4_FRAME_
                cmdClass;
                                                          /* The command class */
     BYTE
                                                          /* The command */
     BYTE
             cmd;
parameterNumber1;
parameterNumber2;
reportsToFollow;
info1;
info2;
info3;
info4;
                 cmd;
                                                          /* MSB */
     BYTE
                                                         /* LSB */
                                                          /**/
/* MSB */
     BYTE
     BYTE
     BYTE
                                                           /* LSB */
     BYTE
} ZW_CONFIGURATION_INFO_REPORT_4BYTE_V4_FRAME;
typedef struct _ZW_CONFIGURATION_PROPERTIES_GET_V4_FRAME
     BYTE cmdClass;
BYTE cmd;
BYTE parameterNumber1;
BYTE parameterNumber2:
                                                          /\star The command class \star/
                                                          /* The command */
/* The command */
/* MSB */
                  parameterNumber2;
                                                          /* LSB */
     BYTE
} ZW_CONFIGURATION_PROPERTIES_GET_V4_FRAME;
/* Configuration Properties Report 1byte V4 command class structs */
typedef struct _ZW_CONFIGURATION_PROPERTIES_REPORT_1BYTE_V4_FRAME_
                cmdClass;
     BYTE
                                                          /* The command class */
     BYTE cmdClass; /* The cor
BYTE cmd; /* The cor
BYTE parameterNumber1; /* MSB */
BYTE parameterNumber2; /* LSB */
BYTE properties1; /* masked
BYTE minValue1;
BYTE maxValue1;
BYTE defaultValue1;
BYTE nextParameterNumber1; /* MSB */
BYTE nextParameterNumber2; /* LSB */
BYTE properties2; /* masked
                                                          /* The command */
                                                          /* masked byte */
                                                           /* masked byte */
} ZW_CONFIGURATION_PROPERTIES_REPORT_1BYTE_V4_FRAME;
    /
/* Configuration Properties Report 2byte V4 command class structs */
/***********************/
typedef struct _ZW_CONFIGURATION_PROPERTIES_REPORT_2BYTE_V4 FRAME
     BYTE
                 cmdClass;
                                                          /* The command class */
                                                          /* The command */
     BYTE
                 cmd;
                                                          /* MSB */
BYTE parameterNumber1; /* MSB */
BYTE parameterNumber2; /* LSB */
BYTE properties1; /* masked
BYTE minValue1; /* MSB */
BYTE minValue2; /* LSB */
BYTE maxValue1; /* MSB */
BYTE maxValue1; /* MSB */
BYTE defaultValue1; /* MSB */
BYTE defaultValue2; /* LSB */
BYTE nextParameterNumber1; /* MSB */
BYTE nextParameterNumber2; /* LSB */
BYTE properties2; /* LSB */
BYTE properties2; /* masked

} ZW_CONFIGURATION_PROPERTIES_REPORT_2BYTE_V4_FRAME;
     BYTE
                 parameterNumber1;
                                                          /* masked byte */
/* MSB */
/* LSB */
                                                           /* masked byte */
/* Configuration Properties Report 3byte V4 command class structs */
typedef struct _ZW_CONFIGURATION_PROPERTIES_REPORT_3BYTE_V4_FRAME_
                 cmdClass;
                                                           /* The command class */
                                                          /* The command */
/* MSB */
                 parameterNumber1;
     BYTE
                                                          /* LSB */
     BYTE
                 parameterNumber2;
                                                          /* masked byte */
                 properties1;
minValue1;
     BYTE
                                                          /* MSB */
     BYTE
     BYTE
                 minValue2;
                                                         /* LSB */
/* MSB */
                 minValue3;
     BYTE
                maxValue1;
maxValue2;
maxValue3;
     BYTE
     BYTE
                                                          /* LSB */
     BYTE
                 defaultValue1;
                                                           /* MSB */
```

```
defaultValue2;
           defaultValue3;
                                        /* LSB */
   BYTE
                                        /* MSB */
/* LSB */
   BYTE
            nextParameterNumber1;
          nextParameterNumber2;
   BYTE
                                         /* masked byte */
   BYTE
            properties2;
} ZW_CONFIGURATION_PROPERTIES_REPORT_3BYTE_V4_FRAME;
/* Configuration Properties Report 4byte V4 command class structs */
typedef struct _ZW_CONFIGURATION_PROPERTIES_REPORT_4BYTE_V4 FRAME
   BYTE
                                        /* The command class */
            cmdClass;
                                        /* The command */
   BYTE
           cmd;
                                        /* MSB */
/* LSB */
   BYTE
            parameterNumber1;
            parameterNumber2;
   BYTE
            properties1;
                                        /* masked byte */
   BYTE
   BYTE
            minValue1;
                                        /* MSB */
   BYTE
           minValue2;
   BYTE
            minValue3;
                                        /* LSB */
   BYTE
           minValue4;
                                        /* MSB */
           maxValue1;
   BYTE
           maxValue2;
   BYTE
           maxValue3;
           maxValue4;
defaultValue1;
   BYTE
                                        /* LSB */
   BYTE
                                        /* MSB */
   BYTE
           defaultValue2;
        defaultValue2;
  defaultValue3;
  defaultValue4;
  nextParameterNumber1;
  nextParameterNumber2;
  properties2;
   BYTE
                                        /* LSB */
   BYTE
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
                                        /* masked byte */
   BYTE
            properties2;
} ZW_CONFIGURATION_PROPERTIES_REPORT_4BYTE_V4_FRAME;
/* Configuration Default Reset V4 command class structs */
typedef struct _ZW_CONFIGURATION_DEFAULT_RESET_V4_FRAME_
          cmdClass;
                                        /* The command class */
   BYTE
                                        /* The command */
            cmd;
} ZW_CONFIGURATION_DEFAULT_RESET_V4_FRAME;
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_GROUP_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
                                        /* The command */
   BYTE
           cmd;
            sequenceNumber;
   BYTE
          groupId;
   BYTE
            nodeId;
} ZW_CTRL_REPLICATION_TRANSFER_GROUP_FRAME;
  typedef struct _ZW_CTRL_REPLICATION_TRANSFER_GROUP_NAME_1BYTE_FRAME_
                                        /* The command class */
   BYTE
           cmdClass;
           cmd;
                                        /* The command */
   BYTE
            sequenceNumber;
   BYTE
          groupId;
   BYTE
            groupName1;
} ZW_CTRL_REPLICATION_TRANSFER_GROUP_NAME_1BYTE_FRAME;
/* Ctrl Replication Transfer Group Name 2byte command class structs */
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_GROUP_NAME_2BYTE_FRAME_
                                        /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
   BYTE
            cmd;
                                        /**/
   BYTE
           sequenceNumber;
   BYTE
            groupId;
            groupName1;
            groupName2;
   BYTE
} ZW_CTRL_REPLICATION_TRANSFER_GROUP_NAME_2BYTE_FRAME;
```

```
/\star Ctrl Replication Transfer Group Name 3byte command class structs \star/
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_GROUP_NAME_3BYTE_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
                                     /* The command */
   BYTE
           cmd;
                                     /**/
          sequenceNumber;
           groupId;
                                     /**/
         groupName1;
groupName2;
groupName3;
                                     /* MSB */
   BYTE
   BYTE
                                     /* LSB */
   BYTE
} ZW_CTRL_REPLICATION_TRANSFER_GROUP_NAME_3BYTE_FRAME;
// Ctrl Replication Transfer Group Name 4byte command class structs */
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_GROUP_NAME_4BYTE_FRAME_
   BYTE
           cmdClass;
                                     /* The command class */
                                     /* The command */
/**/
   BYTE
           cmd;
   BYTE
          sequenceNumber;
   BYTE
           groupId;
        grouplame1;
groupName2;
groupName3;
groupName4;
                                     /* MSB */
   BYTE
   BYTE
   BYTE
                                     /* LSB */
} ZW_CTRL_REPLICATION_TRANSFER_GROUP_NAME_4BYTE_FRAME;
/* Ctrl Replication Transfer Scene command class structs */
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_SCENE_FRAME_
   BYTE
        cmuclass;
cmd;
sequenceNumber;
sceneId;
nodeId;
lare;
          cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
                                     .
/**/
   BYTE
                                     /**/
                                     /**/
   BYTE
   BYTE
           level:
} ZW_CTRL_REPLICATION_TRANSFER_SCENE_FRAME;
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_1BYTE_FRAME_
        cmdClass;
cmd;
sequenceNumber;
sceneId;
sceneName1;
                                     /* The command class */
   BYTE
                                     /* The command */
   BYTE
   BYTE
   BYTE
} ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_1BYTE_FRAME;
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_2BYTE_FRAME_
           cmdClass;
                                     /* The command class */
                                     /* The command */
/**/
   BYTE
   BYTE
           sequenceNumber;
                                     /**/
   BYTE
           sceneId;
         sceneName1;
                                     /* MSB */
   BYTE
                                      /* LSB */
           sceneName2;
   BYTE
} ZW CTRL REPLICATION TRANSFER SCENE NAME 2BYTE FRAME;
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_3BYTE_FRAME_
   BYTE
           cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
           cmd;
          sequenceNumber; sceneId;
   BYTE
   BYTE
                                     /* MSB */
   BYTE
           sceneName1;
         sceneName2;
   BYTE
   BYTE
           sceneName3;
} ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_3BYTE_FRAME;
```

```
/\star Ctrl Replication Transfer Scene Name 4byte command class structs \star/
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_4BYTE_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
          cmd;
sequenceNumber;
                                      /* The command */
   BYTE
                                      /**/
           sceneId;
                                       /**/
                                      /* MSB */
   BYTE
           sceneName1;
         sceneName2;
sceneName3;
   BYTE
   BYTE
                                      /* LSB */
            sceneName4;
   BYTE
} ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_4BYTE_FRAME;
typedef struct _ZW_CRC_16_ENCAP_1BYTE_FRAME_
       cmdClass;
cmd;
commandClass;
command;
datal;
checksum1;
checksum2;
                                      /* The command class */
/* The command */
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
                                      /* MSB */
   BYTE
                                      /* LSB */
} ZW_CRC_16_ENCAP_1BYTE_FRAME;
typedef struct _ZW_CRC_16_ENCAP_2BYTE_FRAME_
   BYTE
          cmdClass;
                                      /* The command class */
         cmdclass;
cmd;
commandClass;
command;
data1;
data2;
checksum1;
checksum2;
                                      /* The command */
   BYTE
                                      /**/
/**/
   BYTE
                                      /* MSB */
   BYTE
                                      /* LSB */
   BYTE
                                      /* MSB */
   BYTE
                                      /* LSB */
   BYTE
} ZW_CRC_16_ENCAP_2BYTE_FRAME;
typedef struct _ZW_CRC_16_ENCAP_3BYTE_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
                                      /**/
   BYTE
           commandClass;
         commandClass;
command;
data1;
data2;
data3;
checksum1;
checksum2:
                                      /**/
   BYTE
                                      /* MSB */
   BYTE
                                      /* LSB */
   BYTE
                                      /* MSB */
   BYTE
                                      /* LSB */
   BYTE
} ZW_CRC_16_ENCAP_3BYTE_FRAME;
/* Crc 16 Encap 4byte command class structs */
typedef struct _ZW_CRC_16_ENCAP_4BYTE_FRAME_
   BYTE
          cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
           commandClass;
                                      /**/
   BYTE
           command;
   BYTE
           data1;
                                      /* MSB */
   BYTE
   BYTE
           data2;
         data3;
data4;
checksum1;
checksum2;
   BYTE
                                      /* LSB */
                                      /* MSB */
   BYTE
                                      /* LSB */
   BYTE
} ZW_CRC_16_ENCAP_4BYTE_FRAME;
/* Dcp List Remove command class structs */
typedef struct _ZW_DCP_LIST_REMOVE_FRAME_
```

```
cmdClass;
                                              /* The command class */
   BYTE
                                              /* The command */
/* MSB */
             cmd;
   BYTE
              year1;
                                              /* LSB */
   BYTE
              year2;
   BYTE
              month;
                                              /**/
   BYTE
             dav;
           hourLocalTime;
minuteLocalTime;
                                              /**/
   BYTE
   BYTE
   BYTE
              secondLocalTime;
} ZW_DCP_LIST_REMOVE_FRAME;
typedef struct _VG_DCP_LIST_SET_VG_
          genericDeviceClass;
   BYTE
              specificDeviceClass;
} VG_DCP_LIST_SET_VG;
typedef struct _ZW_DCP_LIST_SET_1BYTE_FRAME_
    BYTE
             cmdClass;
                                              /* The command class */
                                              /* The command */
   BYTE
             cmd;
                                              /* MSB */
             year1;
   BYTE
                                              /* LSB */
   BYTE
             year2;
                                              /**/
   BYTE
             month;
                                              /**/
/**/
         month;
day;
hourLocalTime;
minuteLocalTime;
secondLocalTime;
dcpRateId;
properties1;
   BYTE
   BYTE
                                              /**/
    BYTE
                                              /**/
   BYTE
                                              /**/
    BYTE
    BYTE
                                              /* masked byte */
    VG_DCP_LIST_SET_VG variantgroup1;
                                              /* MSB */
          startYear1;
startYear2;
    BYTE
          startYear2;
startMonth;
startDay;
startHourLocalTime;
startMinuteLocalTime;
startSecondLocalTime;
durationHourTime;
durationMinuteTime;
durationSecondTime;
eventPriority;
loadShedding;
startAssociationGroup;
stopAssociationGroup;
randomizationInterval;
                                              /* LSB */
    RYTE
    BYTE
                                              /**/
/**/
/**/
    BYTE
    BYTE
   BYTE
    BYTE
   BYTE
   BYTE
    BYTE
   BYTE
    BYTE
   BYTE
   BYTE
              randomizationInterval;
} ZW_DCP_LIST_SET_1BYTE_FRAME;
typedef struct _ZW_DCP_LIST_SET_2BYTE_FRAME_
    BYTE
             cmdClass;
                                              /* The command class */
                                              /* The command */
   BYTE
             cmd;
                                              /* MSB */
             year1;
   BYTE
                                              /* LSB */
              year2;
   BYTE
                                              /**/
             month;
   BYTE
            day;
                                              /**/
                                              /**/
/**/
    BYTE
             hourLocalTime;
           minuteLocalTime;
secondLocalTime;
dcpRateId;
properties1;
    BYTE
    BYTE
    BYTE
              properties1;
    BYTE
                                              /* masked byte */
   VG_DCP_LIST_SET_VG variantgroup1; VG_DCP_LIST_SET_VG variantgroup2;
           startYear1;
                                              /* MSB */
   BYTE
                                              /* LSB */
             startYear2;
    BYTE
           startYear2;
startMonth;
startDay;
startHourLocalTime;
startMinuteLocalTime
    BYTE
                                              /**/
    BYTE
    BYTE
             startMinuteLocalTime;
startSecondLocalTime;
    BYTE
    BYTE
             durationHourTime;
    BYTE
             durationMinuteTime;
```

```
durationSecondTime;
                                                 /**/
              eventPriority;
    BYTE
             loadShedding;
    BYTE
              startAssociationGroup;
    BYTE
          stopAssociationGroup;
    BYTE
               randomizationInterval;
    BYTE
} ZW_DCP_LIST_SET_2BYTE_FRAME;
typedef struct _ZW_DCP_LIST_SET_3BYTE_FRAME_
    BYTE
              cmdClass;
                                                 /* The command class */
                                                 /* The command */
/* MSB */
    BYTE
               cmd;
              year1;
    BYTE
                                                 /* LSB */
    BYTE
               vear2;
                                                 /**/
/**/
    BYTE
              month;
    BYTE
              day;
                                                 /**/
/**/
    BYTE
              hourLocalTime;
             minuteLocalTime;
    BYTE
             secondLocalTime;
dcpRateId;
                                                 /**/
    BYTE
    BYTE
               properties1;
                                                 /* masked byte */
    VG_DCP_LIST_SET_VG variantgroup1;
VG_DCP_LIST_SET_VG variantgroup2;
VG_DCP_LIST_SET_VG variantgroup3;
                                                          /**/
/**/
              startYear1;
                                                 /* MSB */
    BYTE
                                                 /* LSB */
    BYTE
              startYear2;
                                                 /**/
/**/
/**/
    BYTE
              startMonth;
             startDay;
startHourLocalTime;
    BYTE
    BYTE
             startMinuteLocalTime;
startSecondLocalTime;
                                                 /**/
    BYTE
    BYTE
              durationHourTime;
    BYTE
             durationHourTime;
durationMinuteTime;
    BYTE
    BYTE
              durationSecondTime;
             eventPriority;
loadShedding;
    BYTE
    RYTE
           startAssociationGroup;
    BYTE
               randomizationInterval;
} ZW_DCP_LIST_SET_3BYTE_FRAME;
typedef struct _ZW_DCP_LIST_SET_4BYTE_FRAME_
    BYTE
              cmdClass;
                                                 /* The command class */
                                                 /* The command */
    BYTE
              cmd;
                                                 /* MSB */
    BYTE
              year1;
                                                 /* LSB */
               year2;
                                                 /**/
/**/
/**/
    BYTE
              month;
    BYTE
               day;
             hourLocalTime;
    BYTE
                                                 /**/
             minuteLocalTime;
secondLocalTime;
    BYTE
    BYTE
             dcpRateId;
    BYTE dcpRateId;
BYTE properties1;
VG_DCP_LIST_SET_VG variantgroup1;
VG_DCP_LIST_SET_VG variantgroup2;
VG_DCP_LIST_SET_VG variantgroup3;
VG_DCP_LIST_SET_VG variantgroup4;
BYTE startYear1;
                                                 /* masked byte */
                                                          /**/
/**/
                                                 /* MSB */
                                                 /* LSB */
/**/
/**/
    BYTE
              startYear2;
    BYTE
              startMonth;
    BYTE
              startDay;
                                                 /**/
    BYTE
              startHourLocalTime;
    BYTE
              startMinuteLocalTime;
              startSecondLocalTime;
    BYTE
              durationHourTime;
    BYTE
              durationMinuteTime;
              durationSecondTime;
    BYTE
              eventPriority;
    BYTE
             loadShedding;
startAssociationGroup;
    BYTE
    BYTE
    BYTE
               stopAssociationGroup;
BYTE randomizationInterval;
} ZW_DCP_LIST_SET_4BYTE_FRAME;
```

```
/* Dcp List Supported Get command class structs */
typedef struct _ZW_DCP_LIST_SUPPORTED_GET_FRAME_
       cmdClass;
cmd;
                                  /* The command class */
  BYTE
                                  /* The command */
  BYTE
} ZW_DCP_LIST_SUPPORTED_GET_FRAME;
typedef struct _ZW_DCP_LIST_SUPPORTED_REPORT_FRAME_
                                  /* The command class */
  BYTE
          cmdClass;
                                  /* The command */
        cmd;
dcpListSize;
freeDcpListEntries;
  BYTE
  BYTE
} ZW_DCP_LIST_SUPPORTED_REPORT_FRAME;
typedef struct _ZW_DCP_EVENT_STATUS_GET_FRAME_
   BYTE
         cmdClass;
                                   /* The command class */
                                  /* The command */
/* MSB */
  BYTE
          cmd;
         year1;
  BYTE
                                   /* LSB
  BYTE
          year2;
          month;
                                   /**/
/**/
  BYTE
  BYTE month;
BYTE day;
BYTE hourLocalTime;
BYTE minuteLocalTime;
BYTE secondLocalTime:
          secondLocalTime;
  BYTE
} ZW_DCP_EVENT_STATUS_GET_FRAME;
typedef struct _ZW_DCP_EVENT_STATUS_REPORT_FRAME_
          cmdClass;
                                   /\,\star\, The command class \,\star\,/\,
                                  /* The command */
/* MSB */
  BYTE
          cmd;
  BYTE
          year1;
                                  /* LSB */
  BYTE
          year2;
  BYTE
          month;
                                   /**/
  BYTE
          day;
       day;
hourLocalTime;
minuteLocalTime;
secondLocalTime;
eventStatus;
   BYTE
                                   /**/
  BYTE
  BYTE
  BYTE
} ZW_DCP_EVENT_STATUS_REPORT_FRAME;
/* Dcp List Get command class structs */
typedef struct _ZW_DCP_LIST_GET_FRAME_
        cmdClass;
cmd;
                                  /* The command class */
                                  /* The command */
} ZW_DCP_LIST_GET_FRAME;
typedef struct _VG_DCP_LIST_REPORT_VG_
  BYTE genericDeviceClass;
          specificDeviceClass;
  BYTE
} VG_DCP_LIST_REPORT_VG;
typedef struct _ZW_DCP_LIST_REPORT_1BYTE_FRAME_
          cmdClass;
                                   /* The command class */
         cmd;
reportsToFollow;
year1;
  BYTE
                                   /* The command */
                                  /**/
  BYTE
                                  /* MSB */
  BYTE
                                   /* LSB */
          year2;
```

```
month;
     BYTE
                                                        /**/
                 day;
                                                        /**/
/**/
    BYTE
                hourLocalTime;
     BYTE
                minuteLocalTime;
     BYTE
                 secondLocalTime;
    BYTE
                 dcpId;
                 properties1;
                                                        /* masked byte */
     BYTE
     VG_DCP_LIST_REPORT_VG variantgroup1;
                                                        /* MSB */
    BYTE startYear1;
BYTE startYear2;
           startYear2;
startMonth;
startDay;
startHourLocalTime;
startMinuteLocalTime;
startSecondLocalTime;
durationHourTime;
durationMinuteTime;
durationSecondTime;
eventPriority;
loadShedding;
startAssociationGroup;
randomizationInterval;
                                                        /* LSB */
                                                        /**/
     BYTE
                                                        /**/
     BYTE
                                                        /**/
/**/
/**/
     BYTE
    BYTE
     BYTE
    BYTE
     BYTE
     BYTE
    BYTE
     BYTE
    BYTE
    BYTE
} ZW_DCP_LIST_REPORT_1BYTE_FRAME;
typedef struct _ZW_DCP_LIST_REPORT_2BYTE_FRAME_
     BYTE
                cmdClass;
                                                        /* The command class */
                                                        /* The command */
    BYTE
                cmd;
                reportsToFollow;
                                                        /**/
    BYTE
                                                        /* MSB */
                 year1;
    BYTE
     BYTE
                 year2;
                                                        /* LSB */
                                                        /**/
/**/
     BYTE
                 month;
     BYTE
                 day;
                                                        /**/
               hourLocalTime;
     BYTE
                                                        /**/
     RYTE
                minuteLocalTime;
               secondLocalTime;
dcpId;
                                                        /**/
     BYTE
                 properties1;
                                                        /* masked byte */
    VG_DCP_LIST_REPORT_VG variantgroup1;
VG_DCP_LIST_REPORT_VG variantgroup2;
                                                        /* MSB */
             startYear1;
startYear2;
     BYTE
                                                        /* LSB */
     BYTE
              startYear2;
startMonth;
startDay;
startHourLocalTime;
startMinuteLocalTime;
startSecondLocalTime;
durationHourTime;
durationMinuteTime;
durationSecondTime;
eventPriority;
     BYTE
                                                        /**/
/**/
     BYTE
     BYTE
                                                        /**/
     BYTE
    BYTE
     BYTE
     BYTE
           eventPriority;
loadShedding;
startAssociationGroup;
stopAssociationGroup;
randomizationTroup;
    BYTE
    BYTE
     BYTE
    BYTE
                 randomizationInterval;
} ZW_DCP_LIST_REPORT_2BYTE_FRAME;
typedef struct _ZW_DCP_LIST_REPORT_3BYTE_FRAME_
                                                        /* The command class */
/* The command */
                cmdClass;
     BYTE
    BYTE
                cmd:
                                                        /**/
     BYTE
                reportsToFollow;
                year1;
                                                        /* MSB *
    BYTE
                                                        /* LSB */
                 year2;
                                                        /* L
/**/
/**/
     BYTE
                month;
    BYTE
                day;
                                                        /**/
                hourLocalTime;
     BYTE
               minuteLocalTime;
                                                        /**/
     BYTE
                                                        /**/
     BYTE
                secondLocalTime;
     BYTE
                dcpId;
    BYTE properties1;
VG_DCP_LIST_REPORT_VG variantgroup1;
VG_DCP_LIST_REPORT_VG variantgroup2;
VG_DCP_LIST_REPORT_VG variantgroup3;
                                                        /* masked byte */
/**/
```

```
startYear1;
                                            /* MSB */
                                            /* LSB */
             startYear2;
   BYTE
                                            /**/
/**/
   BYTE
             startMonth;
   BYTE
            startDay;
             startHourLocalTime;
   BYTE
             startMinuteLocalTime;
   BYTE
                                            /**/
   BYTE
            startSecondLocalTime;
                                            /**/
/**/
             durationHourTime;
            durationMinuteTime;
durationSecondTime;
   BYTE
   BYTE
            eventPriority;
   BYTE
            loadShedding;
   BYTE
          startAssociationGroup;
   BYTE
   BYTE
             randomizationInterval;
} ZW_DCP_LIST_REPORT_3BYTE_FRAME;
/* Dcp List Report 4byte command class structs */
/***********************************
typedef struct _ZW_DCP_LIST_REPORT_4BYTE_FRAME_
   BYTE
             cmdClass;
                                            /* The command class */
                                            /* The command */
             cmd;
                                            /**/
/* MSB */
/* LSB */
             reportsToFollow;
   BYTE
   BYTE
             year1;
   BYTE
             year2;
   BYTE
             month;
   BYTE
             day;
             hourLocalTime;
                                            /**/
   BYTE
                                            /**/
   BYTE
             minuteLocalTime;
                                            /**/
   BYTE
             secondLocalTime;
   BYTE
             dcpId;
             properties1;
                                            /* masked byte */
   BYTE
   BYTE properties!;
VG_DCP_LIST_REPORT_VG variantgroup1;
VG_DCP_LIST_REPORT_VG variantgroup2;
VG_DCP_LIST_REPORT_VG variantgroup3;
VG_DCP_LIST_REPORT_VG variantgroup4;
           startYear1;
                                            /* MSB */
   BYTE
                                            /* LSB */
   BYTE
             startYear2;
           startMonth;
startDay;
startHourLocalTime;
startMinuteLocalTime;
                                            /**/
                                            /**/
/**/
/**/
   BYTE
   BYTE
           startSecondLocalTime;
durationHourTime;
durationMinuteTime;
durationSecondTime;
   BYTE
   BYTE
   BYTE
   BYTE
            eventPriority;
loadShedding;
   BYTE
                                            /
/**/
   BYTE
             startAssociationGroup;
   BYTE
          stopAssociationGroup;
   BYTE
              randomizationInterval;
} ZW_DCP_LIST_REPORT_4BYTE_FRAME;
   /* Door Lock Logging Records Supported Get command class structs */
typedef struct _ZW_DOOR_LOCK_LOGGING_RECORDS_SUPPORTED_GET_FRAME_
           cmdClass;
                                            /* The command class */
   BYTE
                                           /* The command */
   BYTE
             cmd;
} ZW_DOOR_LOCK_LOGGING_RECORDS_SUPPORTED_GET_FRAME;
/* Door Lock Logging Records Supported Report command class structs */
typedef struct _ZW_DOOR_LOCK_LOGGING_RECORDS_SUPPORTED_REPORT_FRAME_
                                            /* The command class */
             cmdClass;
                                           /* The command */
          maxRecordsStored;
} ZW_DOOR_LOCK_LOGGING_RECORDS_SUPPORTED_REPORT_FRAME;
/* Record Get command class structs */
typedef struct _ZW_RECORD_GET_FRAME_
   BYTE
            cmdClass;
                                            /* The command class */
                                            /* The command */
   BYTE
             cmd;
```

```
BYTE
            recordNumber;
} ZW_RECORD_GET_FRAME;
typedef struct _ZW_RECORD_REPORT_1BYTE_FRAME_
          cmdClass;
                                          /* The command class */
   BYTE
                                          /* The command */
   BYTE
            cmd;
            recordNumber;
   BYTE
            year1;
                                         /* MSB */
   BYTE
                                         /* MSB "/
/* LSB */
/**/
/**/
/* masked byte */
            year2;
   BYTE
            month;
   BYTE
         day;
properties1;
minuteLocalTime;
secondLocalTime;
eventType;
userIdentifier;
userCodeLength;
userCode1:
            day;
   BYTE
                                         /**/
   BYTE
   BYTE
                                         /**/
                                         /**/
   BYTE
   BYTE
   BYTE
             userCode1;
   BYTE
} ZW_RECORD_REPORT_1BYTE_FRAME;
typedef struct _ZW_RECORD_REPORT_2BYTE_FRAME_
          cmdClass;
                                         /* The command class */
/* The command */
/**/
   BYTE
          cmd;
recordNumber;
   BYTE
   BYTE
                                         /* MSB */
   BYTE
            year1;
                                          /* LSB */
            year2;
   BYTE
   BYTE
            month;
                                          /**/
   BYTE
                                          /**/
            day;
           properties1;
minuteLocalTime;
                                          /* masked byte */
   BYTE
                                         /**/
/**/
   BYTE
         secondLocalTime;
secondLocalTime;
eventType;
userIdentifier;
userCodeLength;
userCode1;
userCode2;
   BYTE
                                         /**/
   BYTE
                                         /**/
   BYTE
                                          /**/
   BYTE
                                          /* MSB */
                                          /* LSB */
   BYTE
} ZW_RECORD_REPORT_2BYTE_FRAME;
/* Record Report 3byte command class structs */
typedef struct _ZW_RECORD_REPORT_3BYTE_FRAME_
            cmdClass;
                                         /* The command class */
   BYTE
                                          /* The command */
            cmd;
                                          /**/
   BYTE
            recordNumber;
                                          /* MSB */
   BYTE
            year1;
                                          /* LSB */
   BYTE
            year2;
   BYTE
            month;
   BYTE
            day;
          day;
properties1;
minuteLocalTime;
secondLocalTime;
eventType;
userIdentifier;
userCodeLength;
userCode1;
userCode2;
userCode3;
                                         /* masked byte */
   BYTE
                                         /**/
/**/
   BYTE
   BYTE
                                         /**/
   BYTE
                                         /**/
   BYTE
   BYTE
   BYTE
   BYTE
                                         /* LSB */
   BYTE
            userCode3;
} ZW_RECORD_REPORT_3BYTE_FRAME;
typedef struct _ZW_RECORD_REPORT_4BYTE_FRAME_
   BYTE
           cmdClass;
                                          /* The command class */
                                          /* The command */
   BYTE
            cmd;
           recordNumber;
   BYTE
                                          /* MSB */
   BYTE
            year1;
                                          /* LSB */
   BYTE
            year2;
   BYTE
            month;
   BYTE
             day;
```

```
properties1;
                                       /* masked byte */
                                       /**/
           minuteLocalTime;
   BYTE
                                       /**/
/**/
   BYTE
            secondLocalTime;
   BYTE
           eventType;
           userIdentifier;
   BYTE
        userCode1;
userCode1;
userCode2;
userCode3;
   BYTE
                                       /* MSB */
   BYTE
   BYTE
   BYTE
                                       /* LSB */
   BYTE
            userCode4:
} ZW_RECORD_REPORT_4BYTE_FRAME;
typedef struct _ZW_DOOR_LOCK_CONFIGURATION_GET_FRAME_
          cmdClass;
cmd;
                                       /* The command class */
} ZW_DOOR_LOCK_CONFIGURATION_GET_FRAME;
  typedef struct _ZW_DOOR_LOCK_CONFIGURATION_REPORT_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
        cmd;
operationType;
properties1;
lockTimeoutMinutes;
lockTimeoutSeconds;
                                       /* The command */
   BYTE
   BYTE
                                       /* masked byte */
   BYTE
                                       /**/
   BYTE
   BYTE
} ZW_DOOR_LOCK_CONFIGURATION_REPORT_FRAME;
/* Door Lock Configuration Set command class structs */
typedef struct _ZW_DOOR_LOCK_CONFIGURATION_SET_FRAME_
        cmdClass;
cmd;
operationType;
properties1;
lockTimeoutMinutes;
lockTimeoutScare;
                                       /* The command class */
   BYTE
                                       /* The command */
                                       /**/
                                      /* masked byte */
/**/
   BYTE
   BYTE
BYTE lockTimeoutSeconds;
} ZW_DOOR_LOCK_CONFIGURATION_SET_FRAME;
/* Door Lock Operation Get command class structs */
typedef struct _ZW_DOOR_LOCK_OPERATION_GET_FRAME_
        cmdClass;
cmd;
                                       /* The command class */
                                       /* The command */
} ZW_DOOR_LOCK_OPERATION_GET_FRAME;
^{\prime} /* Door Lock Operation Report command class structs */
typedef struct _ZW_DOOR_LOCK_OPERATION_REPORT_FRAME_
           cmdClass;
                                       /* The command class */
   BYTE
                                       /* The command */
   BYTE cmd;
BYTE doorLockMode;
BYTE properties1;
BYTE doorCondition;
BYTE lockTimeoutMinutes;
BYTE lockTimeoutSeconds;
   BYTE
           cmd;
                                       /**/
                                       /* masked byte */
                                       /**/
/**/
} ZW DOOR LOCK OPERATION REPORT FRAME;
typedef struct _ZW_DOOR_LOCK_OPERATION_SET_FRAME_
                                      /* The command class */
/* The command */
/**/
           cmdClass;
          cmd;
doorLockMode;
   BYTE
} ZW_DOOR_LOCK_OPERATION_SET_FRAME;
```

```
/* Door Lock Configuration Get V2 command class structs */
typedef struct _ZW_DOOR_LOCK_CONFIGURATION_GET_V2_FRAME_
                                    /* The command class */
   BYTE
           cmdClass;
                                     /* The command */
   BYTE
           cmd;
} ZW_DOOR_LOCK_CONFIGURATION_GET_V2_FRAME;
typedef struct _ZW_DOOR_LOCK_CONFIGURATION_REPORT_V2_FRAME
   BYTE
          cmdClass;
                                     /\star The command class \star/
                                     /* The command */
   BYTE
           cmd;
                                     /**/
          operationType;
   BYTE
   BYTE properties1;
BYTE lockTimeoutMinutes;
BYTE lockTimeoutSeconds;
                                     /* masked byte */
} ZW_DOOR_LOCK_CONFIGURATION_REPORT_V2_FRAME;
  typedef struct _ZW_DOOR_LOCK_CONFIGURATION_SET_V2_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
       cmd;
operationType;
properties1;
lockTimeoutMinutes;
lockTimeoutSeconds;
                                    /* The command */
   BYTE
   BYTE
                                    /* masked byte */
   BYTE
                                     /**/
   BYTE
   BYTE
} ZW_DOOR_LOCK_CONFIGURATION_SET_V2_FRAME;
/* Door Lock Operation Get V2 command class structs */
typedef struct _ZW_DOOR_LOCK_OPERATION_GET_V2_FRAME_
        cmdClass;
cmd;
                                    /* The command class */
   BYTE
                                    /* The command */
   BYTE
} ZW_DOOR_LOCK_OPERATION_GET_V2_FRAME;
typedef struct _ZW_DOOR_LOCK_OPERATION_REPORT_V2_FRAME_
   BYTE
           cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
          cmd;
doorLockMode;
                                    /**/
   BYTE
        properties1;
doorCondition;
lockTimeoutMinutes;
lockTimeoutSeconds;
                                     /* masked byte */
   BYTE
   BYTE
} ZW_DOOR_LOCK_OPERATION_REPORT_V2_FRAME;
/\star Door Lock Operation Set V2 command class structs \star/
typedef struct _ZW_DOOR_LOCK_OPERATION_SET_V2_FRAME_
                                    /* The command class */
          cmdClass;
                                     /* The command */
   BYTE cmd;
BYTE doorLockMode;
} ZW_DOOR_LOCK_OPERATION_SET_V2_FRAME;
/* Door Lock Configuration Get V3 command class structs */
typedef struct _ZW_DOOR_LOCK_CONFIGURATION_GET_V3_FRAME_
        cmdClass;
                                    /* The command class */
   BYTE
                                     /* The command */
           cmd;
} ZW_DOOR_LOCK_CONFIGURATION_GET_V3_FRAME;
/* Door Lock Configuration Report V3 command class structs */
typedef struct _ZW_DOOR_LOCK_CONFIGURATION_REPORT_V3_FRAME
```

```
cmdClass;
                                   /* The command class */
                                   /* The command */
   BYTE
          cmd;
   BYTE
          operationType;
                                   /* masked byte */
  BYTE
          properties1;
  BYTE
          lockTimeoutMinutes;
          lockTimeoutSeconds;
  BYTE
} ZW_DOOR_LOCK_CONFIGURATION_REPORT_V3_FRAME;
typedef struct _ZW_DOOR_LOCK_CONFIGURATION_SET_V3_FRAME_
          cmdClass;
                                  /\star The command class \star/
                                  /* The command */
  BYTE
          cmd;
                                  /**/
         operationType;
  BYTE
      properties1;
lockTimeoutMinutes;
lockTimeoutSeconds;
                                   /* masked byte */
  BYTE
  BYTE
} ZW_DOOR_LOCK_CONFIGURATION_SET_V3_FRAME;
typedef struct _ZW_DOOR_LOCK_OPERATION_GET_V3_FRAME_
         cmdClass;
                                  /* The command class */
  BYTE
                                  /* The command */
  BYTE
          cmd:
} ZW_DOOR_LOCK_OPERATION_GET_V3_FRAME;
typedef struct _ZW_DOOR_LOCK_OPERATION_REPORT_V3_FRAME_
   BYTE
                                  /* The command class */
                                  /* The command */
  BYTE
                                  /**/
   BYTE
         currentDoorLockMode;
       properties1;
doorCondition;
lockTimeoutMinutes;
lockTimeoutSeconds;
targetDoorLockMode;
duration;
                                  /* masked byte */
  BYTE
  BYTE
                                  /**/
                                   /**/
                                   /**/
   BYTE
  BYTE
} ZW_DOOR_LOCK_OPERATION_REPORT_V3_FRAME;
/* Door Lock Operation Set V3 command class structs */
typedef struct _ZW_DOOR_LOCK_OPERATION_SET_V3_FRAME_
                                  /* The command class */
/* The command */
       cmdClass;
cmd;
doorLockMode;
   BYTE
  BYTE
} ZW_DOOR_LOCK_OPERATION_SET_V3_FRAME;
typedef struct _ZW_ENERGY_PRODUCTION_GET_FRAME_
          cmdClass;
                                  /* The command class */
  BYTE
        cmd;
                                  /* The command */
  BYTE
  BYTE
          parameterNumber;
} ZW_ENERGY_PRODUCTION_GET_FRAME;
typedef struct _ZW_ENERGY_PRODUCTION_REPORT_1BYTE_FRAME_
  BYTE
         cmdClass;
                                   /* The command class */
                                  /* The command */
/**/
  BYTE
          cmd;
        parameterNumber;
level;
value1;
  BYTE
                                  /* masked byte */
  BYTE
  BYTE
} ZW_ENERGY_PRODUCTION_REPORT_1BYTE_FRAME;
```

```
typedef struct _ZW_ENERGY_PRODUCTION_REPORT_2BYTE_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
          cmd;
                                       /* The command */
   BYTE
          parameterNumber;
   BYTE
                                       /* masked byte */
   BYTE
           level;
          value1;
                                       /* MSB */
           value2;
                                       /* LSB */
} ZW_ENERGY_PRODUCTION_REPORT_2BYTE_FRAME;
/* Energy Production Report 3byte command class structs */
typedef struct _ZW_ENERGY_PRODUCTION_REPORT_3BYTE_FRAME_
         cmdClass;
cmd;
parameterNumber;
level;
                                       /* The command class */
   BYTE
                                       /* The command */
   BYTE
   BYTE
                                       /**/
                                       /* masked byte */
   BYTE
                                       /* MSB */
   BYTE
           value1;
         valuel;
value2;
   BYTE
                                       /* LSB */
   BYTE
            value3;
} ZW_ENERGY_PRODUCTION_REPORT_3BYTE_FRAME;
/* Energy Production Report 4byte command class structs */
typedef struct _ZW_ENERGY_PRODUCTION_REPORT_4BYTE_FRAME_
         cmdClass;
cmd;
parameterNumber;
                                       /* The command class */
                                       /* The command */
   BYTE
   BYTE
                                       /* masked byte */
   BYTE
           level;
                                       /* MSB */
   BYTE
           value1;
           value2;
   BYTE
          value3;
value4;
   BYTE
   BYTE
                                       /* LSB */
} ZW_ENERGY_PRODUCTION_REPORT_4BYTE_FRAME;
/* Firmware Md Get command class structs */
typedef struct _ZW_FIRMWARE_MD_GET_FRAME_
         cmdClass;
                                       /* The command class */
   BYTE
                                       /* The command */
   BYTE
            cmd;
} ZW FIRMWARE MD GET FRAME;
typedef struct _ZW_FIRMWARE_MD_REPORT_FRAME_
         cmdClass;
cmd;
manufacturerId1;
   BYTE
                                       /* The command class */
                                       /* The command */
   BYTE
                                       /* MSB */
   BYTE
        manufacturerId2;
firmwareId1;
firmwareId2;
checksum1;
checksum2.
                                       /* LSB */
   BYTE
                                       /* MSB */
   BYTE
   BYTE
                                       /* LSB */
   BYTE
                                       /* MSB */
                                       /* LSB */
   BYTE
           checksum2;
} ZW_FIRMWARE_MD_REPORT_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_GET_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
         cmdcrdss;
cmd;
numberOfReports;
properties1;
reportNumber2;
                                       /* The command */
   BYTE
                                       /**/
                                       /* masked byte */
   BYTE
            reportNumber2;
   BYTE
} ZW_FIRMWARE_UPDATE_MD_GET_FRAME;
,
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_FRAME_
         cmdClass;
   BYTE
                                       /* The command class */
```

```
BYTE
          cmd;
                                   /* The command */
         properties1;
                                   /* masked byte */
   BYTE
   BYTE
           reportNumber2;
   BYTE
          data1;
} ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_FRAME;
/* Firmware Update Md Report 2byte command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_FRAME_
                                   /* The command class */
          cmdClass;
                                   /* The command */
          cmd;
         properties1;
                                   /* masked byte */
   BYTE
   BYTE
           reportNumber2;
                                   /* MSB */
         data1;
   BYTE
                                   /* LSB */
   BYTE
          data2;
} ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_FRAME;
/* Firmware Update Md Report 3byte command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_FRAME
          cmdClass;
   BYTE
                                   /* The command class */
                                   /* The command */
   BYTE
          cmd;
                                   /* masked byte */
   BYTE
          properties1;
          reportNumber2;
   BYTE
                                   /* MSB */
   BYTE
          data1;
         data2;
data3;
   BYTE
   BYTE
                                   /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_FRAME;
/* Firmware Update Md Report 4byte command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_FRAME_
                                   /* The command class */
   BYTE
          cmdClass;
                                   /* The command */
   BYTE
          cmd;
                                   /* masked byte */
          properties1;
          reportNumber2;
   BYTE
          data1;
                                   /* MSB */
  BYTE
          data2;
         data3;
   BYTE
                                   /* LSB */
   BYTE
          data4;
} ZW FIRMWARE UPDATE MD REPORT 4BYTE FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_FRAME
         cmdClass;
                                   /* The command class */
   BYTE
         cmd;
manufacturerId1;
                                   /* The command */
/* MSB */
   BYTE
   BYTE
        manufacturerId1;
firmwareId1;
firmwareId2;
checksum1;
                                   /* LSB */
   BYTE
                                   /* MSB */
   BYTE
                                   /* LSB */
   BYTE
   BYTE
                                   /* MSB */
                                   /* LSB */
   BYTE
          checksum2;
} ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
        cmd;
status;
                                   /* The command */
} ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_FRAME_
         cmdClass;
                                   /* The command class */
/* The command */
   BYTE
   BYTE
          cmd;
          status;
```

```
} ZW FIRMWARE UPDATE MD STATUS REPORT FRAME;
typedef struct _ZW_FIRMWARE_MD_GET_V2_FRAME_
        cmdClass;
   BYTE
                                    /* The command class */
                                    /* The command */
           cmd;
} ZW_FIRMWARE_MD_GET_V2_FRAME;
typedef struct _ZW_FIRMWARE_MD_REPORT_V2_FRAME_
   BYTE
          cmdClass;
                                     /* The command class */
         cmd;
manufacturerId1;
   BYTE
                                    /* The command */
                                    /* MSB */
   BYTE
       manufacturerId1;

firmwareId1;

firmwareId2;

checksum1;

checksum2;
                                    /* LSB */
/* MSB */
   BYTE
   BYTE
                                    /* LSB */
   BYTE
                                    /* MSB */
   BYTE
} ZW FIRMWARE MD REPORT V2 FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_GET_V2_FRAME_
       cmdClass;
cmd;
numberOfReports;
properties1;
reportNumber2;
                                    /* The command class */
   BYTE
                                    /* The command */
   BYTE
   BYTE
                                    /* masked byte */
   BYTE
           reportNumber2;
} ZW_FIRMWARE_UPDATE_MD_GET_V2_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V2_FRAME_
         cmdClass;
                                    /* The command class */
   BYTE
         cmd;
properties1;
reportNumber2;
data1;
                                    /* The command */
/* masked byte */
   BYTE
   BYTE
   BYTE
   BYTE
         checksum1;
   BYTE
                                    /* MSB */
                                    /* LSB */
   BYTE
           checksum2:
} ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V2_FRAME;
/* Firmware Update Md Report 2byte V2 command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_V2_FRAME_
         cmdClass;
                                     /* The command class */
   BYTE
   BYTE
          cmd;
                                     /* The command */
         properties1;
                                    /* masked byte */
/**/
   BYTE
   BYTE
           reportNumber2;
   BYTE data1;
BYTE data2;
BYTE checksum1;
BYTE checksum2;
                                    /* MSB */
                                     /* LSB */
                                    /* MSB */
} ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_V2_FRAME;
/* Firmware Update Md Report 3byte V2 command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V2_FRAME_
                                    /* The command class */
   BYTE
           cmdClass;
                                    /* The command */
   BYTE
           cmd;
          properties1;
                                    /* masked byte */
   BYTE
   BYTE
           reportNumber2;
   BYTE
          data1;
                                    /* MSB */
   BYTE
           data2;
                                    /* LSB */
   BYTE
          data3;
          checksum1;
                                    /* MSB */
   BYTE
                                    /* LSB */
   BYTE
           checksum2;
```

```
} ZW FIRMWARE UPDATE MD REPORT 3BYTE V2 FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_V2_FRAME_
   BYTE
            cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
           cmd;
           properties1;
                                       /* masked byte */
   BYTE
           reportNumber2;
   BYTE
                                       /* MSB */
   BYTE
           data1;
           data2;
   BYTE data2,
BYTE data3;
BYTE data4;
BYTE checksum1;
BYTE checksum2;
                                       /* LSB */
                                       /* MSB */
                                        /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_V2_FRAME;
/* Firmware Update Md Request Get V2 command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V2_FRAME_
            cmdClass;
   BYTE
                                       /* The command class */
   BYTE
           cmd;
                                       /* The command */
                                       /* MSB */
   BYTE
           manufacturerId1;
        manufacturerId2;
firmwareId1;
firmwareId2;
checksum1;
checksum2;
                                       /* LSB */
   BYTE
                                       /* MSB */
   BYTE
                                        /* LSB */
   BYTE
                                       /* MSB */
/* LSB */
   BYTE
   BYTE
} ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V2_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V2_FRAME_
         cmdClass;
cmd;
status:
   BYTE
                                        /* The command class */
                                        /* The command */
            status;
} ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V2_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V2_FRAME_
        cmdClass;
cmd;
s+
                                       /* The command class */
   BYTE
                                       /* The command */
   BYTE
   BYTE
} ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V2_FRAME;
/* Firmware Md Get V3 command class structs */
typedef struct _ZW_FIRMWARE_MD_GET_V3_FRAME_
        cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
            cmd;
} ZW_FIRMWARE_MD_GET_V3_FRAME;
/* Firmware Md Report V3 variant group structs */
typedef struct _VG_FIRMWARE_MD_REPORT_V3_VG_
         firmwareId1;
firmwareId2;
   BYTE
                                       /* MSB */
} VG_FIRMWARE_MD_REPORT_V3_VG;
typedef struct _ZW_FIRMWARE_MD_REPORT_1BYTE_V3_FRAME_
         cmdClass;
cmd;
manufacturerId1;
manufacturerId2;
                                       /* The command class */
   BYTE
                                       /* The command */
/* MSB */
   BYTE
   BYTE
                                       /* LSB */
```

```
firmware0Id1;
                                                     /* MSB */
                                                    /* LSB */
/* MSB */
/* LSB */
                firmware0Id2;
    BYTE
                firmwareOChecksum1;
    BYTE
               firmware0Checksum2;
              firmwareUpgradable;
numberOfFirmwareTargets;
maxFragmentSize1;
maxFragmentSize2;
                                                    /**/
/**/
    BYTE
    BYTE
                                                    /* MSB */
    VG_FIRMWARE_MD_REPORT_V3_VG variantgroup1;
} ZW_FIRMWARE_MD_REPORT_1BYTE_V3_FRAME;
   /\star Firmware Md Report 2byte V3 command class structs \star/
typedef struct _ZW_FIRMWARE_MD_REPORT_2BYTE_V3_FRAME_
               cmdClass;
    BYTE
                                                    /* The command class */
    BYTE
               cmd;
                                                    /* The command */
              manufacturerId1;
                                                    /* MSB */
    BYTE
                                                    /* LSB */
/* MSB */
/* LSB */
    BYTE
                manufacturerId2;
               firmware0Id1;
firmware0Id2;
    BYTE
    BYTE
               firmwareOChecksum1;
                                                    /* MSB */
    BYTE
               firmwareUChecksum2;
firmwareUpgradable;
numberOfFirm
               firmwareOChecksum2;
                                                    /* LSB
                                                  /* LSB */
/**/
/**/
/* MSB */
    BYTE
    BYTE
              numberOfFirmwareTargets;
    BYTE maxFragmentSize1; /* BYTE maxFragmentSize2; /* J
WG_FIRMWARE_MD_REPORT_V3_VG variantgroup1;
VG_FIRMWARE_MD_REPORT_V3_VG variantgroup2;
                                                    /* LSB */
} ZW_FIRMWARE_MD_REPORT_2BYTE_V3_FRAME;
/* Firmware Md Report 3byte V3 command class structs */
typedef struct _ZW_FIRMWARE_MD_REPORT_3BYTE_V3_FRAME_
                                                    /\star The command class \star/
    BYTE
               cmdClass;
                                                    /* The command */
    BYTE
                cmd;
                                                    /* MSB */
               manufacturerId1;
    BYTE
               manufacturerId2;
                                                    /* LSB */
                                                    /* MSB */
/* LSB */
/* MSB */
                firmware0Id1;
    BYTE
               firmware0Id2;
             firmwareOthecksum1;
firmwareOthecksum2;
firmwareUpgradable;
numberOfFirmwareTargets;
maxFragmentSize1;
maxFragmentSize2;
    BYTE
                                                    /* LSB */
    BYTE
                                                   /**/
/**/
    BYTE
    BYTE
                                                   /* MSB */
/* LSB */
BYTE maxFragmentSize2; /*:

VG_FIRMWARE_MD_REPORT_V3_VG variantgroup1;

VG_FIRMWARE_MD_REPORT_V3_VG variantgroup2;

VG_FIRMWARE_MD_REPORT_V3_VG variantgroup3;

ZW_FIRMWARE_MD_REPORT_3BYTE_V3_FRAME;
/* Firmware Md Report 4byte V3 command class structs */
typedef struct _ZW_FIRMWARE_MD_REPORT_4BYTE_V3_FRAME_
    BYTE
                cmdClass;
                                                     /* The command class */
                                                    /* The command */
    BYTE
                cmd;
                                                    /* MSB */
               manufacturerId1;
    BYTE
                                                    /* LSB */
                manufacturerId2;
    BYTE
               firmware0Id1;
firmware0Id2;
                                                    /* MSB */
    BYTE
                                                    /* LSB */
/* MSB */
/* LSB */
    BYTE
                firmwareOChecksum1;
               firmware0Checksum2;
firmwareUpgradable;
number0fFirmwareTargets;
    BYTE
    BYTE
                                                    /**/
    BYTE
                maxFragmentSize1;
                                                   /* MSB */
                maxFragmentSize2;
    VG_FIRMWARE_MD_REPORT_V3_VG variantgroup1;
VG_FIRMWARE_MD_REPORT_V3_VG variantgroup2;
VG_FIRMWARE_MD_REPORT_V3_VG variantgroup3;
VG_FIRMWARE_MD_REPORT_V3_VG variantgroup4;
} ZW_FIRMWARE_MD_REPORT_4BYTE_V3_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_GET_V3_FRAME_
```

```
{
         cmdClass;
   BYTE
                                      /* The command class */
                                      /* The command */
/**/
   BYTE
           cmd;
          numberOfReports;
   BYTE
                                      /* masked byte */
        properties1;
reportNumber2;
   BYTE
   BYTE
} ZW_FIRMWARE_UPDATE_MD_GET_V3_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V3_FRAME_
   BYTE
          cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
       cmd;
properties1;
reportNumber2;
data1;
checksum1;
checksum2;
                                      /* masked byte */
   BYTE
   BYTE
   BYTE
                                     /* MSB */
/* LSB */
   BYTE
   BYTE
} ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V3_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_V3_FRAME_
           cmdClass;
                                      /* The command class */
   BYTE
                                      /* The command */
   BYTE
           cmd;
        cma;
properties1;
reportNumber2;
data1;
data2;
checksum1;
checksum2;
                                      /* masked byte */
   BYTE
                                      /**/
/* MSB */
   BYTE
   BYTE
                                      /* LSB */
   BYTE
                                      /* MSB */
   BYTE
            checksum2;
                                       /* LSB */
   BYTE
} ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_V3_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V3_FRAME_
        cmdClass;
cmd;
                                      /* The command class */
   BYTE
                                      /* The command */
   BYTE
  BYTE cmd;
BYTE properties1;
BYTE reportNumber2;
BYTE data1;
BYTE data2;
BYTE data3;
BYTE checksum1;
BYTE checksum2;
                                      /* masked byte */
                                      /* MSB */
                                      /* LSB */
                                      /* MSB */
                                      /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V3_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_V3_FRAME_
                                      /* The command class */
           cmdClass;
                                      /* The command */
/* masked byte */
   BYTE
           properties1;
   BYTE
                                      /**/
           reportNumber2;
   BYTE
                                      /* MSB */
   BYTE
           data1;
   BYTE data2;
BYTE data3;
BYTE data4;
BYTE checksum1;
BYTE checksum2;
                                      /* LSB */
                                      /* MSB */
/* LSB */
} ZW FIRMWARE UPDATE MD REPORT 4BYTE V3 FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V3_FRAME_
           cmdClass;
                                      /* The command class */
                                      /* The command */
                                      /* MSB */
   BYTE
           manufacturerId1;
                                      /* LSB */
   RYTE
          manufacturerId2;
           firmwareId1;
                                      /* MSB */
   BYTE
                                      /* LSB */
           firmwareId2;
```

```
checksum1;
                                        /* MSB */
           checksum2;
firmwareTarget;
                                        /* LSB */
   BYTE
                                        /**/
/* MSB */
   BYTE
         fragmentSize1;
   BYTE
                                        /* LSB */
   BYTE
            fragmentSize2;
} ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V3_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V3 FRAME
        cmdClass;
cmd;
e+a+u--
   BYTE
                                        /* The command class */
                                        /* The command */
   BYTE
            status;
} ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V3_FRAME;
/\star Firmware Update Md Status Report V3 command class structs \star/
typedef struct _ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V3_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE status;
BYTE waittime1;
BYTE waittime2:
                                        /* The command class */
                                        /* The command */
                                        /**/
                                        /* MSB */
/* LSB */
   BYTE
            waittime2;
} ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V3_FRAME;
/* Firmware Md Get V4 command class structs */
typedef struct _ZW_FIRMWARE_MD_GET_V4_FRAME_
          cmdClass;
cmd;
                                       /* The command class */
   BYTE
} ZW_FIRMWARE_MD_GET_V4_FRAME;
typedef struct _VG_FIRMWARE_MD_REPORT_V4_VG_
         firmwareId1;
                                       /* MSB */
   BYTE
                                       /* LSB */
   BYTE
            firmwareId2;
} VG_FIRMWARE_MD_REPORT_V4_VG;
/* Firmware Md Report 1byte V4 command class structs */
typedef struct _ZW_FIRMWARE_MD_REPORT_1BYTE_V4_FRAME_
           cmdClass;
                                        /* The command class */
                                        /* The command */
                                        /* MSB */
           manufacturerId1;
   BYTE
                                       /* LSB */
   BYTE
           manufacturerId2;
           firmware0Id1;
firmware0Id2;
                                       /* MSB */
   BYTE
                                       /* MSB */
/* LSB */
/* MSB */
/* LSB */
/* LSB */
   BYTE
           firmwareOChecksum1;
firmwareOChecksum2;
firmwareUpgradable;
   BYTE
   BYTE
   BYTE
                                       /**/
           numberOfFirmwareTargets;
maxFragmentSize1;
   BYTE
                                       /* MSB */
   BYTE
                                        /* LSB */
            maxFragmentSize2;
   VG FIRMWARE MD REPORT V4 VG variantgroup1;
} ZW_FIRMWARE_MD_REPORT_1BYTE_V4_FRAME;
/* Firmware Md Report 2byte V4 command class structs */
typedef struct _ZW_FIRMWARE_MD_REPORT_2BYTE_V4_FRAME_
                                        /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
   BYTE
            cmd;
                                        /* MSB */
   BYTE
            manufacturerId1;
                                        /* LSB */
   BYTE
           manufacturerId2;
           firmware0Id1;
                                       /* MSB */
/* LSB */
/* MSB */
   BYTE
   BYTE
            firmware0Id2;
           firmwareOChecksum1;
   BYTE
            firmwareOChecksum2;
                                        /* LSB */
   BYTE
   BYTE
            firmwareUpgradable;
```

```
numberOfFirmwareTargets;
                                            /* MSB */
/* LSB */
             maxFragmentSize1;
   BYTE
             maxFragmentSize2;
   VG_FIRMWARE_MD_REPORT_V4_VG_variantgroup1;
VG_FIRMWARE_MD_REPORT_V4_VG_variantgroup2;
} ZW_FIRMWARE_MD_REPORT_2BYTE_V4_FRAME;
/* Firmware Md Report 3byte V4 command class structs */
typedef struct _ZW_FIRMWARE_MD_REPORT_3BYTE_V4_FRAME_
   BYTE
                                            /* The command class */
             cmdClass;
                                            /* The command */
   BYTE
                                            /* MSB */
/* LSB */
   BYTE
             manufacturerId1;
             manufacturerId2;
firmware0Id1;
   BYTE
                                            /* MSB */
   BYTE
                                           /* MSB */
/* LSB */
/* MSB */
/* LSB */
/**/
   BYTE
             firmware0Id2;
   BYTE
            firmwareOChecksum1;
   BYTE
            firmwareUChecksum2;
firmwareUpgradable;
numberOfFirmwareTargets;
maxFragmentSize1:
             firmwareOChecksum2;
   BYTE
   BYTE
                                           /* MSB */
            maxFragmentSize1;
   BYTE
             maxFragmentSize2;
   VG_FIRMWARE_MD_REPORT_V4_VG variantgroup1;
VG_FIRMWARE_MD_REPORT_V4_VG variantgroup2;
VG_FIRMWARE_MD_REPORT_V4_VG variantgroup3;
} ZW_FIRMWARE_MD_REPORT_3BYTE_V4_FRAME;
/* Firmware Md Report 4byte V4 command class structs */
typedef struct _ZW_FIRMWARE_MD_REPORT_4BYTE_V4_FRAME_
             cmdClass;
                                            /* The command class */
   BYTE
                                            /* The command */
             cmd;
   BYTE
             manufacturerId1;
                                            /* MSB */
                                            /* LSB */
/* MSB */
   BYTE
             manufacturerId2;
             firmware0Id1;
   BYTE
                                            /* LSB */
             firmware0Id2;
   BYTE
            firmwareOChecksum1;
                                            /* MSB */
                                           /* LSB */
/**/
/**/
            firmwareOChecksum2;
firmwareUpgradable;
   BYTE
           numberOfFirmwareTargets;
maxFragmentSize1;
maxFragmentSize2;
   BYTE
                                           /* MSB */
   BYTE
                                            /* LSB */
   BYTE maxFragments1ze2; /-
VG_FIRMWARE_MD_REPORT_V4_VG variantgroup1;
VG_FIRMWARE_MD_REPORT_V4_VG variantgroup2;
VG_FIRMWARE_MD_REPORT_V4_VG variantgroup3;
VG_FIRMWARE_MD_REPORT_V4_VG variantgroup4;
} ZW_FIRMWARE_MD_REPORT_4BYTE_V4_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_GET_V4_FRAME_
   BYTE
             cmdClass;
                                            /* The command class */
   BYTE
             cmd;
                                            /* The command */
                                            /**/
/* masked byte */
           numberOfReports;
   BYTE
           properties1;
   BYTE
             reportNumber2;
   BYTE
} ZW_FIRMWARE_UPDATE_MD_GET_V4_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V4_FRAME_
             cmdClass;
                                            /* The command class */
                                            /* The command */
/* masked byte */
             properties1;
   BYTE
   BYTE
             reportNumber2;
   BYTE
          checksum1;
             data1;
                                            /* MSB */
   BYTE
                                            /* LSB */
   BYTE
             checksum2;
} ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V4_FRAME;
```

```
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_V4_FRAME_
                                       /* The command class */
   BYTE
            cmdClass;
                                       /* The command */
   BYTE
           cmd;
            properties1;
                                       /* masked byte */
   BYTE
   BYTE
            reportNumber2;
           data1;
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
           data2;
          checksum1;
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
            checksum2:
} ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_V4_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V4_FRAME_
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
           properties1;
   BYTE
                                       /* masked byte */
                                       /**/
   BYTE
            reportNumber2;
                                       /* MSB */
   BYTE
           data1;
   BYTE
           data2;
         data3;
checksum1;
checksum2;
                                        /* LSB */
                                       /* MSB */
/* LSB */
   BYTE
   BYTE
} ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V4_FRAME;
/* Firmware Update Md Report 4byte V4 command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_V4_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
   BYTE
           cmd;
                                       /* The command */
           properties1;
                                        /* masked byte */
   BYTE
            reportNumber2;
                                       /**/
                                       /* MSB */
   BYTE
           data1;
   BYTE
           data2:
   BYTE
           data3;
         data4;
checksum1;
checksum2;
                                        /* LSB */
   BYTE
                                       /* MSB */
                                        /* LSB */
   BYTE
} ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_V4_FRAME;
/***********************
/* Firmware Update Md Request Get V4 command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V4_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
                                       /* The command */
   BYTE
           cmd;
          manufacturerId1;
   BYTE
           manufacturerId2;
                                       /* LSB */
           firmwareId1;
firmwareId2;
                                       /* MSB */
   BYTE
                                       /* LSB */
   BYTE
        checksum1;
checksum2;
firmwareTarget;
fragmentSize1;
fragmentSize2;
properties1.
                                       /* MSB */
   BYTE
                                       /* LSB */
   BYTE
   BYTE
                                       /**/
                                       /* MSB */
/* LSB */
   BYTE
   BYTE
                                       /* masked byte */
   BYTE
            properties1;
} ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V4_FRAME;
/* Firmware Update Md Request Report V4 command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V4_FRAME_
           cmdClass;
                                        /* The command class */
                                       /* The command */
            status;
} ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V4_FRAME;
^{\prime} /* Firmware Update Md Status Report V4 command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V4_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
```

```
status;
       waittime1; waittime2;
                                       /* MSB */
/* LSB */
   BYTE
   BYTE
} ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V4_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_ACTIVATION_SET_V4_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
   BYTE
           cmd;
           manufacturerId1;
                                       /* LSB */
   BYTE
           manufacturerId2;
                                       /* MSB */
           firmwareId1;
   BYTE
        firmwareId2;
checksum1;
checksum2;
firmwareTarget;
                                      /* LSB */
   BYTE
                                       /* MSB */
   BYTE
   BYTE
                                       /* LSB */
} ZW_FIRMWARE_UPDATE_ACTIVATION_SET_V4_FRAME;
  /* Firmware Update Activation Status Report V4 command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_V4_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
   BYTE
           cmd:
          manufacturerId1;
                                      /* MSB */
   BYTE
                                      /* LSB */
/**/
/* MSB */
           manufacturerId2;
   BYTE
          firmwareId; checksum1;
   BYTE
   BYTE
                                       /* LSB */
         checksum2;
firmwareTarget;
firmwareUndateSt
   BYTE
   BYTE
            firmwareUpdateStatus;
   BYTE
} ZW_FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_V4_FRAME;
typedef struct _ZW_FIRMWARE_MD_GET_V5_FRAME_
        cmdClass;
cmd;
                                      /* The command class */
                                      /* The command */
   BYTE
} ZW_FIRMWARE_MD_GET_V5_FRAME;
/* Firmware Md Report V5 variant group structs */
typedef struct _VG_FIRMWARE_MD_REPORT_V5_VG_
          firmwareId1;
   BYTE
                                      /* MSB */
            firmwareId2;
} VG_FIRMWARE_MD_REPORT_V5_VG;
typedef struct _ZW_FIRMWARE_MD_REPORT_1BYTE_V5_FRAME_
           cmdClass;
                                      /* The command class */
   BYTE
                                      /* The command */
          cmd;
manufacturerId1;
   BYTE
                                      /* MSB */
   BYTE
          manufacturerId2;
firmware0Id1;
                                      /* LSB */
   BYTE
                                      /* MSB */
                                      /* LSB */
/* MSB */
   BYTE
           firmware0Id2;
        firmwareOthecksum1;
firmwareOthecksum2;
firmwareOthecksum2;
firmwareUpgradable;
numberOfFirmwareTargets;
maxFragmentSize1;
maxFragmentSize2;
   BYTE
                                      /* LSB */
   BYTE
                                      /**/
   BYTE
                                      /**/
   BYTE
                                      /* MSB */
                                      /* LSB */
   BYTE
   VG_FIRMWARE_MD_REPORT_V5_VG variantgroup1;
   BYTE
           hardwareVersion;
} ZW_FIRMWARE_MD_REPORT_1BYTE_V5_FRAME;
/* Firmware Md Report 2byte V5 command class structs */
typedef struct _ZW_FIRMWARE_MD_REPORT_2BYTE_V5_FRAME_
```

```
cmdClass;
                                                  /* The command class */
                                                  /* The command */
    BYTE
               cmd;
                                                 /* MSB */
/* LSB */
    BYTE
               manufacturerId1;
    BYTE
               manufacturerId2;
               firmware0Id1;
                                                 /* MSB */
    BYTE
                                                 /* LSB */
               firmware0Id2;
    BYTE
              firmwareOChecksum1;
                                                 /* MSB */
    BYTE
                                                 /* LSB */
/**/
/**/
              firmwareOChecksum2;
            firmwareUpgradable;
numberOfFirmwareTargets;
maxFragmentSize1;
    BYTE
    BYTE
                                                 /* MSB */
    BYTE
                                                 /* LSB */
               maxFragmentSize2;
    BYTE
    VG_FIRMWARE_MD_REPORT_V5_VG variantgroup1;
VG_FIRMWARE_MD_REPORT_V5_VG variantgroup2;
    BYTE hardwareVersion;
} ZW_FIRMWARE_MD_REPORT_2BYTE_V5_FRAME;
/\star Firmware Md Report 3byte V5 command class structs \star/
typedef struct _ZW_FIRMWARE_MD_REPORT_3BYTE_V5_FRAME_
              cmdClass;
                                                 /* The command class */
    BYTE
             cmd;
                                                 /* The command */
                                                 /* MSB */
/* LSB */
/* MSB */
/* LSB */
    BYTE
              manufacturerId1;
    BYTE
              manufacturerId2;
               firmware0Id1;
    BYTE
              firmwareOld1;
firmwareOld2;
firmwareOChecksum1;
    BYTE
                                                 /* MSB */
    BYTE
            firmwareOChecksum1;
firmwareOChecksum2;
firmwareUpgradable;
numberOfFirmwareTargets;
maxFragmentSize1;
maxFragmentSize2;
                                                 /* LSB
    BYTE
                                                /^ _\
/**/
/**/
    BYTE
    BYTE
                                               /* MSB */
    BYTE
                                                 /* LSB */
    BYTE
    VG_FIRMWARE_MD_REPORT_V5_VG_variantgroup1;
VG_FIRMWARE_MD_REPORT_V5_VG_variantgroup2;
VG_FIRMWARE_MD_REPORT_V5_VG_variantgroup3;
    BYTE hardwareVersion;
} ZW_FIRMWARE_MD_REPORT_3BYTE_V5_FRAME;
/* Firmware Md Report 4byte V5 command class structs */
typedef struct _ZW_FIRMWARE_MD_REPORT_4BYTE_V5_FRAME_
              cmdClass;
                                                  /* The command class */
                                                  /* The command */
              cmd;
                                                 /* MSB */
/* LSB */
/* MSB */
    BYTE
             manufacturerId1;
    BYTE
               manufacturerId2;
              firmware0Id1;
firmware0Id2;
    BYTE
                                                 /* LSB */
    BYTE
              firmwareOChecksum1;
firmwareOChecksum2;
firmwareUpgradable;
                                                 /* MSB */
    BYTE
                                                 /* LSB */
                                                 /**/
/**/
/* MSB */
    BYTE
             numberOfFirmwareTargets;
maxFragmentSize1;
maxFragmentSize2:
    BYTE
    BYTE
    BYTE maxFragmentSize1; /* M:
BYTE maxFragmentSize2; /* L:
VG_FIRMWARE_MD_REPORT_V5_VG variantgroup1;
VG_FIRMWARE_MD_REPORT_V5_VG variantgroup2;
VG_FIRMWARE_MD_REPORT_V5_VG variantgroup3;
VG_FIRMWARE_MD_REPORT_V5_VG variantgroup4;
BYTE hardwareVersion; /**/
                                                 /* LSB */
} ZW_FIRMWARE_MD_REPORT_4BYTE_V5_FRAME;
/* Firmware Update Md Get V5 command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_MD_GET_V5_FRAME_
                                                  /* The command class */
               cmdClass;
                                                  /* The command */
               cmd;
               numberOfReports;
    BYTE
                                                  /* masked byte */
            properties1;
reportNumber2;
    BYTE
    BYTE
} ZW_FIRMWARE_UPDATE_MD_GET_V5_FRAME;
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V5_FRAME
```

```
cmdClass;
                                         /* The command class */
                                         /* The command */
   BYTE
            cmd;
                                         /* masked byte */
   BYTE
            properties1;
   BYTE
            reportNumber2;
   BYTE
            data1;
                                        /* MSB */
   BYTE
            checksum1;
                                         /* LSB */
            checksum2;
} ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V5_FRAME;
/* Firmware Update Md Report 2byte V5 command class structs */
typedef struct ZW FIRMWARE UPDATE MD REPORT 2BYTE V5 FRAME
   BYTE
            cmdClass;
                                         /* The command class */
                                         /* The command */
   BYTE
            cmd;
   BYTE
            properties1;
                                         /* masked byte */
   BYTE
            reportNumber2;
            data1;
                                         /* MSB */
   BYTE
                                         /* LSB */
   BYTE
            data2;
                                         /* MSB */
           checksum1;
   BYTE
                                         /* LSB */
            checksum2;
   BYTE
} ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_V5_FRAME;
.
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V5_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
                                         /* The command */
/* masked byte */
   BYTE
            cmd;
   BYTE
            properties1;
   BYTE
            reportNumber2;
                                         /* MSB */
   BYTE
            data1;
   BYTE
            data2;
   BYTE
            data3;
                                         /* LSB */
                                         /* MSB */
   BYTE
            checksum1;
   BYTE
            checksum2;
} ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V5_FRAME;
/* Firmware Update Md Report 4byte V5 command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_V5_FRAME_
            cmdClass;
                                         /* The command class */
                                         /* The command */
            cmd;
            properties1;
                                         /* masked byte */
   BYTE
   BYTE
            reportNumber2;
                                         /* MSB */
   BYTE
            data1;
   BYTE
            data2;
   BYTE
            data3;
                                         /* LSB */
            data4;
   BYTE
            checksum1;
                                         /* MSB */
   BYTE
            checksum2;
} ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_V5_FRAME;
/***********************
/\star Firmware Update Md Request Get V5 command class structs \star/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V5_FRAME_
            cmdClass;
                                         /* The command class */
                                         /* The command */
   BYTE
            cmd;
                                         /* MSB */
            manufacturerId1;
                                        /* LSB */
/* MSB */
   BYTE
            manufacturerId2;
   BYTE
            firmwareId1;
                                        /* LSB */
   BYTE
            firmwareTd2:
                                        /* MSB */
   BYTE
            checksum1;
                                        /* LSB */
   BYTE
            checksum2;
           firmwareTarget;
fragmentSize1;
fragmentSize2;
                                        /**/
                                         /* MSB */
   BYTE
                                         /* LSB */
   BYTE
          properties1;
                                         /* masked byte */
   BYTE
            hardwareVersion;
   BYTE
} ZW FIRMWARE UPDATE MD REQUEST GET V5 FRAME;
typedef struct ZW FIRMWARE UPDATE MD REQUEST REPORT V5 FRAME
```

```
{
           cmdClass;
cmd;
    BYTE
                                               /* The command class */
                                               /* The command */
    BYTE
    BYTE
               status;
} ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V5_FRAME;
/* Firmware Update Md Status Report V5 command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V5_FRAME_
           cmdClass;
cmd;
status;
waittime1;
waittime2:
                                               /* The command class */
                                               /* The command */
                                               /**/
    BYTE
                                               /* MSB */
    BYTE
                                               /* LSB */
    BYTE
              waittime2;
} ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V5_FRAME;
/* Firmware Update Activation Set V5 command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_ACTIVATION_SET_V5_FRAME_
            cmdClass;
                                              /* The command class */
           cmd;
manufacturerId1;
    BYTE
                                              /* The command */
                                              /* MSB */
/* LSB */
/* MSB */
    BYTE
    BYTE
              manufacturerId2;
BYTE manufacturerid2; /*
BYTE firmwareId1; /*
BYTE firmwareId2; /*
BYTE checksum1; /*
BYTE checksum2; /*
BYTE firmwareTarget; /*
BYTE hardwareVersion; /*
} ZW_FIRMWARE_UPDATE_ACTIVATION_SET_V5_FRAME;
                                              /* LSB */
                                              /* MSB */
                                               /* LSB */
/\star Firmware Update Activation Status Report V5 command class structs \star/
typedef struct _ZW_FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_V5_FRAME_
           cmdClass;
                                              /* The command class */
           cmd;
manufacturerId1;
                                              /* The command */
                                              /* MSB */
/* LSB */
    BYTE
    BYTE
              manufacturerId2;
          manufactureridz;
firmwareId;
checksum1;
checksum2;
firmwareTarget;
firmwareUpdateStatus;
hardwareVersion;
                                              /**/
    BYTE
                                               /* MSB */
    BYTE
                                               /* LSB */
    BYTE
    BYTE
    BYTE
                                               /**/
    BYTE
} ZW_FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_V5_FRAME;
/* Firmware Update Md Prepare Get V5 command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_MD_PREPARE_GET_V5_FRAME_
           cmdClass;
                                              /* The command class */
           cmd;
manufacturerId1;
                                              /* The command */
                                              /* MSB */
/* LSB */
    BYTE
          manufacturerId1;
manufacturerId2;
firmwareId1;
firmwareId2;
firmwareTarget;
fragmentSize1;
fragmentSize2;
hardwareVersion;
    BYTE
                                              /* MSB */
    BYTE
                                              /* LSB */
    BYTE
                                              /**/
    BYTE
                                               /* MSB */
                                               /* LSB */
    BYTE
    BYTE
              hardwareVersion;
} ZW_FIRMWARE_UPDATE_MD_PREPARE_GET_V5_FRAME;
/* Firmware Update Md Prepare Report V5 command class structs */
typedef struct _ZW_FIRMWARE_UPDATE_MD_PREPARE_REPORT_V5_FRAME_
         cmdClass;
                                               /* The command class */
    BYTE
           cmd;
status;
                                              /* The command */
    BYTE
                                              /**/
    BYTE
          firmwareChecksum1;
                                               /* MSB */
    BYTE
BYTE firmwareChecksum2; /* L
} ZW_FIRMWARE_UPDATE_MD_PREPARE_REPORT_V5_FRAME;
                                               /* LSB */
```

```
typedef struct _ZW_GEOGRAPHIC_LOCATION_GET_FRAME_
       cmdClass;
cmd;
                                     /* The command class */
   BYTE
                                     /* The command */
   BYTE
} ZW_GEOGRAPHIC_LOCATION_GET_FRAME;
typedef struct _ZW_GEOGRAPHIC_LOCATION_REPORT_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                     /* The command */
          cmd;
longitudeDegrees;
   BYTE
   BYTE
                                     /* masked byte */
/**/
   BYTE
           level;
          latitudeDegrees;
level2;
   BYTE
   BYTE
                                     /* masked byte */
} ZW_GEOGRAPHIC_LOCATION_REPORT_FRAME;
/* Geographic Location Set command class structs */
typedef struct _ZW_GEOGRAPHIC_LOCATION_SET_FRAME_
                                     /* The command class */
   BYTE
           cmdClass:
                                     /* The command */
   BYTE
           cmd;
          longitudeDegrees;
level;
latitudeDegrees;
                                     /**/
   BYTE
                                     /* masked byte */
   BYTE
   BYTE
                                     /* masked byte */
   BYTE
           level2;
} ZW_GEOGRAPHIC_LOCATION_SET_FRAME;
typedef struct _ZW_GROUPING_NAME_GET_FRAME_
         cmdClass;
                                     /* The command class */
        cmd;
groupingIdentifier;
                                      /* The command */
   BYTE
} ZW_GROUPING_NAME_GET_FRAME;
/* Grouping Name Report command class structs */
typedef struct _ZW_GROUPING_NAME_REPORT_FRAME_
           cmdClass;
   BYTE
                                      /* The command class */
         cmd;
groupingIdentifier;
properties1;
groupingName1;
groupingName2;
                                     /* The command */
   BYTE
                                     /* masked byte */
/* MSB */
   BYTE
   BYTE
   BYTE
          groupingName3;
groupingName4;
groupingName5;
   BYTE
   BYTE
   BYTE
   BYTE
           groupingName6;
          groupingName7;
groupingName8;
   BYTE
   BYTE
         groupingName8;
groupingName10;
groupingName11;
groupingName12;
groupingName14;
groupingName14;
groupingName15;
groupingName15
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
           groupingName16;
                                     /* LSB */
} ZW_GROUPING_NAME_REPORT_FRAME;
typedef struct _ZW_GROUPING_NAME_SET_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
                                     /* The command */
   BYTE
          cmd;
           groupingIdentifier;
   BYTE
                                      /* masked byte */
           properties1;
```

```
/* MSB */
          groupingName1;
          groupingName2;
  BYTE
  BYTE
          groupingName3;
  BYTE
          groupingName4;
          groupingName5;
  BYTE
  BYTE
         groupingName6;
  BYTE
         groupingName7;
          groupingName8;
  BYTE
          groupingName9;
  BYTE
          groupingName10;
         groupingName11;
  BYTE
         groupingName12;
  BYTE
         groupingName13;
groupingName14;
  BYTE
  BYTE
          groupingName15;
BYTE groupingName16; } ZW_GROUPING_NAME_SET_FRAME;
                                 /* LSB */
/***********************
typedef struct _ZW_HAIL_FRAME_
  BYTE
       cmdClass;
                                 /* The command class */
                                 /* The command */
} ZW_HAIL_FRAME;
typedef struct _ZW_HRV_CONTROL_BYPASS_GET_FRAME_
       cmdClass;
                                 /* The command class */
  BYTE
                                 /* The command */
  BYTE
          cmd;
} ZW_HRV_CONTROL_BYPASS_GET_FRAME;
/* Hrv Control Bypass Report command class structs */
typedef struct _ZW_HRV_CONTROL_BYPASS_REPORT_FRAME
                                /* The command class */
/* The command */
          cmdClass;
        cmd;
bypass;
  BYTE
  BYTE
} ZW_HRV_CONTROL_BYPASS_REPORT_FRAME;
/* Hrv Control Bypass Set command class structs */
typedef struct _ZW_HRV_CONTROL_BYPASS_SET_FRAME_
        cmdClass;
cmd;
bypass;
  BYTE
                                 /* The command class */
                                 /* The command */
  BYTE
} ZW_HRV_CONTROL_BYPASS_SET_FRAME;
typedef struct _ZW_HRV_CONTROL_MODE_GET_FRAME_
        cmdClass;
  BYTE
                                /* The command class */
                                /* The command */
  BYTE
          cmd;
} ZW_HRV_CONTROL_MODE_GET_FRAME;
/* Hrv Control Mode Report command class structs */
typedef struct _ZW_HRV_CONTROL_MODE_REPORT_FRAME_
  BYTE
         cmdClass;
                                /* The command class */
        cmd;
                                 /* The command */
  BYTE
                                /* masked byte */
          properties1;
  BYTE
} ZW_HRV_CONTROL_MODE_REPORT_FRAME;
typedef struct _ZW_HRV_CONTROL_MODE_SET_FRAME_
        cmdClass;
  BYTE
                                 /* The command class */
```

```
cmd;
                                       /* The command */
            properties1;
                                       /* masked byte */
} ZW HRV CONTROL MODE SET FRAME;
  /* Hrv Control Mode Supported Get command class structs */
typedef struct _ZW_HRV_CONTROL_MODE_SUPPORTED_GET_FRAME_
           cmdClass;
                                       /* The command class */
   BYTE
                                       /* The command */
   BYTE
           cmd;
} ZW_HRV_CONTROL_MODE_SUPPORTED_GET_FRAME;
/* Hrv Control Mode Supported Report 1byte command class structs */
typedef struct _ZW_HRV_CONTROL_MODE_SUPPORTED_REPORT_1BYTE FRAME
   BYTE
           cmdClass;
                                       /* The command class */
   BYTE
            cmd;
                                       /* The command */
          properties1;
                                       /* masked byte */
   BYTE
   BYTE
            bitMask1;
} ZW_HRV_CONTROL_MODE_SUPPORTED_REPORT_1BYTE_FRAME;
/* Hrv Control Mode Supported Report 2byte command class structs */
typedef struct _ZW_HRV_CONTROL_MODE_SUPPORTED_REPORT_2BYTE_FRAME_
                                       /* The command class */
           cmdClass;
          cmd;
                                       /* The command */
   BYTE
                                       /* masked byte */
            properties1;
   BYTE
           bitMask1;
                                       /* MSB */
   BYTE
                                       /* LSB */
   BYTE
            bitMask2;
} ZW_HRV_CONTROL_MODE_SUPPORTED_REPORT_2BYTE_FRAME;
/* Hrv Control Mode Supported Report 3byte command class structs */
typedef struct _ZW_HRV_CONTROL_MODE_SUPPORTED_REPORT_3BYTE FRAME
            cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
            cmd;
                                       /* masked byte */
   BYTE
            properties1;
                                       /* MSB */
   BYTE
            bitMask1:
            bitMask2;
   BYTE
            bitMask3;
   BYTE
} ZW_HRV_CONTROL_MODE_SUPPORTED_REPORT_3BYTE_FRAME;
/* Hrv Control Mode Supported Report 4byte command class structs */
/************************/
typedef struct _ZW_HRV_CONTROL_MODE_SUPPORTED_REPORT_4BYTE_FRAME_
           cmdClass;
                                       /* The command class */
/* The command */
   BYTE
   BYTE
           cmd;
           properties1;
                                       /* masked byte */
   BYTE
           bitMask1;
                                       /* MSB */
   BYTE
           bitMask2;
   BYTE
           bitMask3;
                                       /* LSB */
   BYTE
           bitMask4;
} ZW_HRV_CONTROL_MODE_SUPPORTED_REPORT_4BYTE_FRAME;
^{\prime} /* Hrv Control Ventilation Rate Get command class structs */
typedef struct _ZW_HRV_CONTROL_VENTILATION_RATE_GET_FRAME_
           cmdClass;
   BYTE
                                       /* The command class */
            cmd;
                                       /* The command */
} ZW_HRV_CONTROL_VENTILATION_RATE_GET_FRAME;
typedef struct _ZW_HRV_CONTROL_VENTILATION_RATE_REPORT_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
                                       /* The command */
   BYTE
            cmd;
            ventilationRate;
   BYTE
} ZW_HRV_CONTROL_VENTILATION_RATE_REPORT_FRAME;
```

```
/* Hrv Control Ventilation Rate Set command class structs */
typedef struct _ZW_HRV_CONTROL_VENTILATION_RATE_SET_FRAME_
        cmdClass;
                                   /* The command class */
       cmd;
ventilationRate;
   BYTE
                                   /* The command */
  BYTE
} ZW_HRV_CONTROL_VENTILATION_RATE_SET_FRAME;
typedef struct _ZW_HRV_STATUS_GET_FRAME_
          cmdClass;
                                   /* The command class */
        cmd;
statusParameter;
   BYTE
                                   /* The command */
   BYTE
} ZW_HRV_STATUS_GET_FRAME;
typedef struct _ZW_HRV_STATUS_REPORT_1BYTE_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
                                   /* The command */
         cmd;
statusParameter;
   BYTE
   BYTE
       properties1;
value1;
                                   /* masked byte */
   BYTE
   BYTE
} ZW_HRV_STATUS_REPORT_1BYTE_FRAME;
/* Hrv Status Report 2byte command class structs */
typedef struct _ZW_HRV_STATUS_REPORT_2BYTE_FRAME_
          cmdClass;
                                   /* The command class */
   BYTE
         cmd;
cmd;
statusParameter;
properties1;
value1;
value2;
                                   /* The command */
   BYTE
                                   /* masked byte */
/* MSB */
   BYTE
                                   /* LSB */
   BYTE
} ZW_HRV_STATUS_REPORT_2BYTE_FRAME;
/* Hrv Status Report 3byte command class structs */
typedef struct _ZW_HRV_STATUS_REPORT_3BYTE_FRAME_
          cmdClass;
   BYTE
                                   /* The command class */
          cmd;
statusParameter;
                                   /* The command */
                                   /**/
   BYTE
                                   /* masked byte */
   BYTE
         properties1;
                                   /* MSB */
   BYTE
          value1;
   BYTE
         value2;
value3;
                                   /* LSB */
   BYTE
} ZW_HRV_STATUS_REPORT_3BYTE_FRAME;
typedef struct _ZW_HRV_STATUS_REPORT_4BYTE_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
          cmd;
statusParameter;
                                   /* The command */
   BYTE
   BYTE
                                   /* masked byte */
   BYTE
          properties1;
                                   /* MSB */
   BYTE
          value1;
          value2;
         value3;
   BYTE
                                   /* LSB */
   BYTE
          value4;
} ZW_HRV_STATUS_REPORT_4BYTE_FRAME;
/* Hrv Status Supported Get command class structs */
typedef struct _ZW_HRV_STATUS_SUPPORTED_GET_FRAME_
        cmdClass;
   BYTE
                                   /* The command class */
```

```
cmd;
                                /* The command */
} ZW_HRV_STATUS_SUPPORTED_GET_FRAME;
typedef struct _ZW_HRV_STATUS_SUPPORTED_REPORT_1BYTE_FRAME_
                                /* The command class */
  BYTE
         cmdClass;
                                /* The command */
       cmd;
bitMask1;
  BYTE
  BYTE
} ZW_HRV_STATUS_SUPPORTED_REPORT_1BYTE_FRAME;
typedef struct _ZW_HRV_STATUS_SUPPORTED_REPORT_2BYTE_FRAME_
  BYTE
         cmdClass;
                                /* The command class */
                                /* The command */
/* MSB */
  BYTE
          cmd;
       cmd;
bitMask1;
  BYTE
                                /* LSB */
  BYTE
         bitMask2;
} ZW_HRV_STATUS_SUPPORTED_REPORT_2BYTE_FRAME;
typedef struct _ZW_HRV_STATUS_SUPPORTED_REPORT_3BYTE_FRAME_
                                /* The command class */
/* The command */
         cmdClass;
        cmd;
bitMask1;
  BYTE
                                /* MSB */
  BYTE
        bitMask2;
  BYTE
                                /* LSB */
  BYTE
         bitMask3;
} ZW_HRV_STATUS_SUPPORTED_REPORT_3BYTE_FRAME;
/* Hrv Status Supported Report 4byte command class structs */
typedef struct _ZW_HRV_STATUS_SUPPORTED_REPORT_4BYTE_FRAME
         cmdClass;
                                /* The command class */
                                /* The command */
  BYTE
         cmd;
         bitMask1;
                                /* MSB */
  BYTE
  BYTE
         bitMask2:
        bitMask3;
bitMask4;
  BYTE
                                /* LSB */
  BYTE
} ZW_HRV_STATUS_SUPPORTED_REPORT_4BYTE_FRAME;
typedef struct _ZW_INDICATOR_GET_FRAME_
       cmdClass;
  BYTE
                                /* The command class */
                                /* The command */
  BYTE
         cmd;
} ZW_INDICATOR_GET_FRAME;
/* Indicator Report command class structs */
typedef struct _ZW_INDICATOR_REPORT_FRAME_
       cmdClass;
cmd;
value;
                                /* The command class */
/* The command */
  BYTE
  BYTE
} ZW_INDICATOR_REPORT_FRAME;
/* Indicator Set command class structs */
typedef struct _ZW_INDICATOR_SET_FRAME_
       cmdClass;
cmd;
value;
  BYTE
                                /* The command class */
                                /* The command */
  BYTE
  BYTE
} ZW_INDICATOR_SET_FRAME;
```

```
typedef struct _ZW_INDICATOR_GET_V2_FRAME_
   BYTE
            cmdClass;
                                          /* The command class */
           cmd;
                                          /* The command */
   BYTE
             indicatorId;
   BYTE
} ZW_INDICATOR_GET_V2_FRAME;
/* Indicator Report V2 variant group structs */
typedef struct _VG_INDICATOR_REPORT_V2_VG_
        indicatorId;
propertyId;
value;
   BYTE
                                          /**/
   BYTE
} VG_INDICATOR_REPORT_V2_VG;
/* Indicator Report 1byte V2 command class structs */
/************************************
typedef struct _ZW_INDICATOR_REPORT_1BYTE_V2_FRAME_
                                          /* The command class */
   BYTE
            cmdClass;
           cmd;
indicator0Value;
                                          /* The command */
   BYTE
                                         /**/
                                          /* masked byte */
; /**/
BYTE properties1;
VG_INDICATOR_REPORT_V2_VG variantgroup1;
} ZW_INDICATOR_REPORT_1BYTE_V2_FRAME;
/* Indicator Report 2byte V2 command class structs */
typedef struct _ZW_INDICATOR_REPORT_2BYTE_V2_FRAME_
            cmdClass;
                                          /\,^{\star} The command class ^{\star}/\,
   BYTE
                                          /* The command */
            cmd;
   BYTE
            indicator0Value;
BYTE properties1;

VG_INDICATOR_REPORT_V2_VG_variantgroup1;

VG_INDICATOR_REPORT_V2_VG_variantgroup2;

} ZW_INDICATOR_REPORT_2BYTE_V2_FRAME;
typedef struct _ZW_INDICATOR_REPORT_3BYTE_V2_FRAME_
   BYTE
            cmdClass;
                                          /* The command class */
                                          /* The command */
   BYTE
             cmd;
            indicator0Value;
                                          /**/
   RYTE
   BYTE properties1;
VG_INDICATOR_REPORT_V2_VG variantgroup1;
VG_INDICATOR_REPORT_V2_VG variantgroup2;
VG_INDICATOR_REPORT_V2_VG variantgroup3;
                                          /* masked byte */
} ZW_INDICATOR_REPORT_3BYTE_V2_FRAME;
typedef struct _ZW_INDICATOR_REPORT_4BYTE_V2_FRAME_
                                          /* The command class */
   BYTE
            cmdClass;
                                          /* The command */
   BYTE
            cmd;
            indicator0Value;
   BYTE
             properties1;
                                          /* masked byte */
   VG_INDICATOR_REPORT_V2_VG variantgroup1;
VG_INDICATOR_REPORT_V2_VG variantgroup2;
VG_INDICATOR_REPORT_V2_VG variantgroup3;
VG_INDICATOR_REPORT_V2_VG variantgroup4;
                                                          /**/
} ZW_INDICATOR_REPORT_4BYTE_V2_FRAME;
typedef struct _VG_INDICATOR_SET_V2_VG_
            indicatorId;
           propertyId;
   BYTE
   BYTE
             value;
} VG_INDICATOR_SET_V2_VG;
```

```
/* Indicator Set 1byte V2 command class structs */
typedef struct _ZW_INDICATOR_SET_1BYTE_V2_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
          cmd;
indicator0Value;
                                        /* The command */
   BYTE
   BYTE
   BYTE properties1;
VG_INDICATOR_SET_V2_VG variantgroup1;
                                        /* masked byte */
} ZW_INDICATOR_SET_1BYTE_V2_FRAME;
/************************
typedef struct _ZW_INDICATOR_SET_2BYTE_V2_FRAME_
           cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
           cmd;
   BYTE
            indicator0Value;
                                        /**/
BYTE properties1;

VG_INDICATOR_SET_V2_VG variantgroup1;

VG_INDICATOR_SET_V2_VG variantgroup2;

} ZW_INDICATOR_SET_2BYTE_V2_FRAME;
                                        /* masked byte */
/* Indicator Set 3byte V2 command class structs */
typedef struct _ZW_INDICATOR_SET_3BYTE_V2_FRAME_
   BYTE
            cmdClass;
                                        /* The command class */
                                        ^{\prime} /* The command */
   BYTE
            cmd;
           indicator0Value;
                                        /**/
   BYTE
   BYTE properties1;
VG_INDICATOR_SET_V2_VG variantgroup1;
VG_INDICATOR_SET_V2_VG variantgroup2;
VG_INDICATOR_SET_V2_VG variantgroup3;
                                        /* masked byte */
} ZW_INDICATOR_SET_3BYTE_V2_FRAME;
/* Indicator Set 4byte V2 command class structs */
typedef struct _ZW_INDICATOR_SET_4BYTE_V2_FRAME_
   BYTE
            cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
            cmd;
   BYTE
            indicator0Value;
           properties1;
                                        /* masked byte */
VG_INDICATOR_SET_V2_VG variantgroup1;
VG_INDICATOR_SET_V2_VG variantgroup2;
VG_INDICATOR_SET_V2_VG variantgroup3;
VG_INDICATOR_SET_V2_VG variantgroup4;
} ZW_INDICATOR_SET_4BYTE_V2_FRAME;
                                                   /**/
                                                    /**/
/* Indicator Supported Get V2 command class structs */
typedef struct _ZW_INDICATOR_SUPPORTED_GET_V2 FRAME
           cmdClass;
                                        /* The command class */
         cmd;
indicatorId;
                                        ^{\prime} /* The command */
   BYTE
   BYTE
} ZW_INDICATOR_SUPPORTED_GET_V2_FRAME;
typedef struct _ZW_INDICATOR_SUPPORTED_REPORT_1BYTE_V2_FRAME_
            cmdClass;
                                        /* The command class */
                                        /* The command */
            cmd;
                                        /**/
/**/
   BYTE
            indicatorId;
   BYTE
            nextIndicatorId;
         properties1;
                                        /* masked byte */
   BYTE
            propertySupportedBitMask1;
   BYTE
} ZW_INDICATOR_SUPPORTED_REPORT_1BYTE_V2_FRAME;
typedef struct _ZW_INDICATOR_SUPPORTED_REPORT_2BYTE_V2_FRAME_
```

```
{
   BYTE
           cmdClass;
                                         /* The command class */
                                         /* The command */
            cmd;
   BYTE
                                         /**/
           indicatorId;
   BYTE
   BYTE
            nextIndicatorId;
         properties1;
propertySupportedBitMask1;
                                        /* masked byte */
   BYTE
                                       , masked
/* MSB */
/* --
            propertySupportedBitMask2;
} ZW_INDICATOR_SUPPORTED_REPORT_2BYTE_V2_FRAME;
typedef struct _ZW_INDICATOR_SUPPORTED_REPORT_3BYTE_V2_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
   BYTE
            cmd;
           indicatorId;
nextIndicatorId;
   BYTE
                                        /**/
                                        /**/
   BYTE
         properties1;
propertySupportedBitMask1;
propertySupportedBitMask2;
propertySupportedBitMask3;
                                        /* masked byte */
/* MSB */
   BYTE
   BYTE
   BYTE
                                       /* LSB */
   BYTE
} ZW_INDICATOR_SUPPORTED_REPORT_3BYTE_V2_FRAME;
typedef struct _ZW_INDICATOR_SUPPORTED_REPORT_4BYTE_V2_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
       cmdClass;
cmd;
indicatorId;
nextIndicatorId;
properties1;
propertySupportedBitMask1;
propertySupportedBitMask2;
propertySupportedBitMask3;
propertySupportedBitMask4:
                                         /* The command */
   BYTE
                                         /**/
   BYTE
                                        /**/
   BYTE
                                         /* masked byte */
   BYTE
   BYTE
   BYTE
                                        /* LSB */
BYTE propertySupportedBitMask4; /*:
} ZW_INDICATOR_SUPPORTED_REPORT_4BYTE_V2_FRAME;
/************************
typedef struct _ZW_IP_CONFIGURATION_GET_FRAME_
   BYTE cmdClass;
BYTE cmd;
                                        /* The command class */
} ZW_IP_CONFIGURATION_GET_FRAME;
/* Ip Configuration Release command class structs */
typedef struct _ZW_IP_CONFIGURATION_RELEASE_FRAME_
                                        /* The command class */
            cmdClass;
   BYTE
                                        /* The command */
   BYTE
            cmd:
} ZW_IP_CONFIGURATION_RELEASE_FRAME;
typedef struct _ZW_IP_CONFIGURATION_RENEW_FRAME_
         cmdClass;
                                        /* The command class */
                                        /* The command */
            cmd;
   BYTE
} ZW_IP_CONFIGURATION_RENEW_FRAME;
/* Ip Configuration Report command class structs */
typedef struct _ZW_IP_CONFIGURATION_REPORT_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
           cmd;
                                         /* The command */
   BYTE
           properties1;
                                         /* masked byte */
   BYTE
                                        /* MSB */
   BYTE
            ipAddress1;
   BYTE
            ipAddress2;
   BYTE
            ipAddress3;
                                        /* LSB */
   BYTE
            ipAddress4;
                                         /* MSB */
   BYTE
            subnetMask1;
```

```
subnetMask2;
   BYTE
           subnetMask3;
                                    /* LSB */
   BYTE
           subnetMask4;
                                    /* MSB */
   BYTE
           gateway1;
   BYTE
           gateway2;
   BYTE
           gateway3;
           gateway4;
                                    /* LSB */
   BYTE
   BYTE
           dns11;
                                    /* MSB */
   BYTE
           dns12;
   BYTE
           dns13:
                                    /* LSB */
   BYTE
           dns14;
                                    /* MSB */
   BYTE
          dns21;
           dns22;
   BYTE
          dns23;
                                    /* LSB */
   BYTE
           dns24;
                                    /* MSB */
          leasetime1;
leasetime2;
   BYTE
   BYTE
         leasetime3;
leasetime4;
   BYTE
   BYTE
                                   /* LSB */
} ZW_IP_CONFIGURATION_REPORT_FRAME;
  typedef struct _ZW_IP_CONFIGURATION_SET_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
   BYTE
          cmd:
                                    /* masked byte */
   BYTE
          properties1;
          ipAddress1;
                                    /* MSB */
   BYTE
          ipAddress2;
ipAddress3;
   BYTE
   BYTE
                                   /* LSB */
   BYTE
          ipAddress4;
subnetMask1;
                                   /* MSB */
   BYTE
   BYTE
          subnetMask2;
   BYTE
          subnetMask3;
                                   /* LSB */
   BYTE
          subnetMask4;
                                   /* MSB */
   BYTE
          gateway1;
   BYTE
          gateway2;
   BYTE
          gateway3;
                                    /* LSB */
           gateway4;
   BYTE
          dns11;
                                    /* MSB */
   BYTE
           dns12;
   BYTE
          dns13;
                                    /* LSB */
   BYTE
          dns14;
                                    /* MSB */
          dns21;
   BYTE
   BYTE
          dns22;
   BYTE
          dns23;
                                   /* LSB */
   BYTE
           dns24;
} ZW_IP_CONFIGURATION_SET_FRAME;
  *******************
typedef struct _ZW_LANGUAGE_GET_FRAME_
        cmdClass;
                                   /* The command class */
   BYTE
                                   /* The command */
   BYTE
          cmd;
} ZW_LANGUAGE_GET_FRAME;
typedef struct _ZW_LANGUAGE_REPORT_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
                                   /* The command */
/* MSB */
   BYTE
          cmd;
   BYTE
          language1;
   BYTE
          language2;
          language3;
                                    /* LSB */
   BYTE
         country1;
                                    /* LSB */
   BYTE
          country2;
} ZW_LANGUAGE_REPORT_FRAME;
typedef struct _ZW_LANGUAGE_SET_FRAME_
        cmdClass;
   BYTE
                                    /* The command class */
                                    /* The command */
   BYTE
          cmd;
```

```
/* MSB */
          language1;
   BYTE
         language2;
language3;
                                    /* LSB */
   BYTE
                                    /* MSB */
   BYTE
         country1;
                                    /* LSB */
   BYTE
           countrv2;
} ZW_LANGUAGE_SET_FRAME;
/***********************
typedef struct _ZW_LOCK_GET_FRAME_
   BYTE cmdClass;
BYTE cmd;
                                   /* The command class */
/* The command */
} ZW_LOCK_GET_FRAME;
typedef struct _ZW_LOCK_REPORT_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
   BYTE
        cmd;
lockState;
} ZW LOCK REPORT FRAME;
,
****************************/
typedef struct _ZW_LOCK_SET_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
  BYTE cmd;
BYTE lockState;
} ZW LOCK SET FRAME;
/* Manufacturer Specific Get command class structs */
typedef struct _ZW_MANUFACTURER_SPECIFIC_GET_FRAME
        cmdClass;
cmd;
                                    /* The command class */
                                    /* The command */
} ZW_MANUFACTURER_SPECIFIC_GET_FRAME;
/* Manufacturer Specific Report command class structs */
typedef struct _ZW_MANUFACTURER_SPECIFIC_REPORT_FRAME_
         cmdClass;
                                    /* The command class */
   BYTE
  BYTE cmdclass;
BYTE cmd;
BYTE manufacturerId1;
BYTE manufacturerId2;
BYTE productTypeId1;
BYTE productTypeId2;
BYTE productId1;
BYTE productId2;
                                    /* The command */
                                   /* LSB */
                                    /* MSB */
                                   /* LSB */
                                   /* MSB */
                                    /* LSB */
           productId2;
   BYTE
} ZW_MANUFACTURER_SPECIFIC_REPORT_FRAME;
typedef struct _ZW_MANUFACTURER_SPECIFIC_GET_V2_FRAME_
          cmdClass;
                                    /* The command class */
                                    /* The command */
           cmd;
} ZW_MANUFACTURER_SPECIFIC_GET_V2_FRAME;
/* Manufacturer Specific Report V2 command class structs */
typedef struct _ZW_MANUFACTURER_SPECIFIC_REPORT_V2_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
   BYTE
          cmd;
                                   /* MSB */
/* LSB */
         manufacturerId1;
   BYTE
   BYTE
          manufacturerId2;
                                    /* MSB */
   BYTE
          productTypeId1;
                                    /* LSB */
          productTypeId2;
   BYTE
                                    /* MSB */
          productId1;
   BYTE
```

```
productId2;
                                 /* LSB */
} ZW_MANUFACTURER_SPECIFIC_REPORT_V2_FRAME;
typedef struct _ZW_DEVICE_SPECIFIC_GET_V2_FRAME_
       cmdClass;
cmd;
properties1;
                                  /\star The command class \star/
                                 /* The command */
  BYTE
                                 /* masked byte */
  BYTE
} ZW_DEVICE_SPECIFIC_GET_V2_FRAME;
typedef struct _ZW_DEVICE_SPECIFIC_REPORT_1BYTE_V2_FRAME_
   BYTE
         cmdClass;
                                  /* The command class */
       cmd;
cmd;
properties1;
properties2;
device T
                                  /* The command */
/* masked byte */
  BYTE
  BYTE
                                  /* masked byte */
  BYTE
          deviceIdData1;
  BYTE
} ZW DEVICE SPECIFIC REPORT 1BYTE V2 FRAME;
/* Device Specific Report 2byte V2 command class structs */
typedef struct _ZW_DEVICE_SPECIFIC_REPORT_2BYTE_V2_FRAME_
  BYTE
         cmdClass;
                                  /* The command class */
                                  /* The command */
  BYTE
          cmd;
      properties1;
properties2;
deviceIdData1;
deviceIdData2;
                                  /* masked byte */
  BYTE
                                  /* masked byte */
  BYTE
                                  /* MSB */
  BYTE
} ZW_DEVICE_SPECIFIC_REPORT_2BYTE_V2_FRAME;
typedef struct _ZW_DEVICE_SPECIFIC_REPORT_3BYTE_V2_FRAME_
  BYTE
         cmdClass;
                                 /* The command class */
       cmd;
properties1;
properties2;
deviceIdData1;
deviceIdData2;
deviceIdData3;
                                 /* The command */
  BYTE
                                 /* masked byte */
  BYTE
                                 /* masked byte */
  BYTE
   BYTE
  BYTE
                                 /* LSB */
  BYTE
} ZW_DEVICE_SPECIFIC_REPORT_3BYTE_V2_FRAME;
typedef struct _ZW_DEVICE_SPECIFIC_REPORT_4BYTE_V2_FRAME_
                                  /* The command class */
  BYTE
         cmdClass;
        cmd;
properties1;
                                 /* The command */
  BYTE
   BYTE
                                 /* masked byte */
  BYTE properties2;
BYTE deviceIdData1;
BYTE deviceIdData2;
BYTE deviceIdData3;
BYTE deviceIdData4;
                                 /* masked byte */
                                 /* MSB */
} ZW_DEVICE_SPECIFIC_REPORT_4BYTE_V2_FRAME;
/* Meter Pulse Get command class structs */
typedef struct _ZW_METER_PULSE_GET_FRAME_
        cmdClass;
                                 /* The command class */
  BYTE
                                 /* The command */
  BYTE
          cmd;
} ZW_METER_PULSE_GET_FRAME;
/*********************
typedef struct _ZW_METER_PULSE_REPORT_FRAME_
```

```
cmdClass;
                                          /* The command class */
                                          /* The command */
   BYTE
            cmd;
                                          /* MSB */
   BYTE
            pulseCount1;
   BYTE
           pulseCount2;
            pulseCount3;
   BYTE
             pulseCount4;
                                          /* LSB */
   BYTE
} ZW_METER_PULSE_REPORT_FRAME;
// Meter Tbl Table Point Adm No Set 1byte command class structs */
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_SET_1BYTE_FRAME_
   BYTE
           cmdClass;
                                          /* The command class */
                                          /* The command */
   BYTE
            cmd;
   BYTE properties1;
                                         /* masked byte */
            meterPointAdmNumberCharacter1;
   BYTE
} ZW_METER_TBL_TABLE_POINT_ADM_NO_SET_1BYTE_FRAME;
/***********************
/* Meter Tbl Table Point Adm No Set 2byte command class structs */
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_SET_2BYTE_FRAME_
                                          /* The command class */
                                         /* The command */
   BYTE
            cmd;
          properties1; /* The co
preparties1; /* masked
meterPointAdmNumberCharacter1;/* MSB */
                                         /* masked byte */
   BYTE
   BYTE
            meterPointAdmNumberCharacter2;/* LSB */
} ZW_METER_TBL_TABLE_POINT_ADM_NO_SET_2BYTE_FRAME;
/* Meter Tbl Table Point Adm No Set 3byte command class structs */
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_SET_3BYTE_FRAME
                                          /* The command class */
   BYTE
            cmdClass;
        /* The command */
   BYTE
                                          /* masked byte */
   RYTE
   BYTE
             meterPointAdmNumberCharacter3;/* LSB */
} ZW_METER_TBL_TABLE_POINT_ADM_NO_SET_3BYTE_FRAME;
// Meter Tbl Table Point Adm No Set 4byte command class structs */
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_SET_4BYTE_FRAME_
            cmdClass;
                                          /* The command class */
   BYTE
                                         /* The command */
   BYTE
            cmd;
   BYTE cmd; /* The co
PyTE properties1; /* masked
BYTE meterPointAdmNumberCharacter1; /* MSB */
BYTE meterPointAdmNumberCharacter2;
BYTE meterPointAdmNumberCharacter3;
meterPointAdmNumberCharacter4: /* I.SB */
                                          /* masked byte */
            meterPointAdmNumberCharacter4;/* LSB */
   BYTE
} ZW_METER_TBL_TABLE_POINT_ADM_NO_SET_4BYTE_FRAME;
/* Meter Tbl Status Report variant group structs */
typedef struct _VG_METER_TBL_STATUS_REPORT_VG_
   BYTE
            properties1;
                                          /* masked byte */
            year1;
                                          /* MSB */
                                          /* LSB */
   BYTE
            year2;
                                          /**/
   BYTE
            month;
   BYTE
            dav;
          day;
hourLocalTime;
minuteLocalTime;
secondLocalTime;
   BYTE
   BYTE
             secondLocalTime;
} VG_METER_TBL_STATUS_REPORT_VG;
typedef struct _ZW_METER_TBL_STATUS_REPORT_1BYTE_FRAME_
            cmdClass;
                                          /* The command class */
/* The command */
   BYTE
   BYTE
            cmd;
            reportsToFollow;
```

```
currentOperatingStatus1;
                                          /* MSB */
             currentOperatingStatus2;
                                        /* LSB */
   BYTE
             currentOperatingStatus3;
                                                             /**/
   VG_METER_TBL_STATUS_REPORT_VG variantgroup1;
} ZW_METER_TBL_STATUS_REPORT_1BYTE_FRAME;
/* Meter Tbl Status Report 2byte command class structs */
typedef struct _ZW_METER_TBL_STATUS_REPORT_2BYTE_FRAME_
                                          /* The command class */
            cmdClass;
                                          /* The command */
            cmd;
                                          /**/
            reportsToFollow;
   BYTE
                                          /* MSB */
   BYTE
             currentOperatingStatus1;
            currentOperatingStatus2;
currentOperatingStatus3;
   BYTE
                                          /* LSB */
   VG_METER_TBL_STATUS_REPORT_VG_variantgroup1;
VG_METER_TBL_STATUS_REPORT_VG_variantgroup2;
                                                              /**/
} ZW_METER_TBL_STATUS_REPORT_2BYTE_FRAME;
/* Meter Tbl Status Report 3byte command class structs */
typedef struct _ZW_METER_TBL_STATUS_REPORT_3BYTE_FRAME_
                                          /* The command class */
/* The command */
            cmdClass;
   BYTE
   BYTE
            cmd:
            reportsToFollow;
   BYTE
                                          /* MSB */
   BYTE
            currentOperatingStatus1;
            currentOperatingStatus2;
   BYTE
                                        /* LSB */
   BYTE
             currentOperatingStatus3;
VG_METER_TBL_STATUS_REPORT_VG variantgroup1;
VG_METER_TBL_STATUS_REPORT_VG variantgroup2;
VG_METER_TBL_STATUS_REPORT_VG variantgroup3;
} ZW_METER_TBL_STATUS_REPORT_3BYTE_FRAME;
typedef struct _ZW_METER_TBL_STATUS_REPORT_4BYTE_FRAME_
   BYTE
            cmdClass;
                                          /* The command class */
                                          /* The command */
   BYTE
            cmd;
           reportsToFollow;
currentOperatingStatus1;
   BYTE
                                         /* MSB */
   BYTE
            currentOperatingStatus2;
                                         /* LSB */
            currentOperatingStatus3;
VG_METER_TBL_STATUS_REPORT_VG_variantgroup1;
VG_METER_TBL_STATUS_REPORT_VG_variantgroup2;
VG_METER_TBL_STATUS_REPORT_VG_variantgroup3;
VG_METER_TBL_STATUS_REPORT_VG_variantgroup4;
} ZW_METER_TBL_STATUS_REPORT_4BYTE_FRAME;
typedef struct _ZW_METER_TBL_STATUS_DATE_GET FRAME
                                          /* The command class */
   BYTE
             cmdClass;
                                          ^{\prime} /* The command */
   BYTE
             cmd;
                                          /**/
            maximumReports;
   BYTE
                                          /* MSB */
             startYear1;
   BYTE
                                          /* LSB */
             startYear2;
   BYTE
                                          /**/
/**/
/**/
             startMonth;
   BYTE
             startDay;
   BYTE
             startHourLocalTime;
   BYTE
             startMinuteLocalTime;
   BYTE
             startSecondLocalTime;
                                          /* MSB */
   BYTE
            stopYear1;
                                          /* LSB
/**/
             stopYear2;
   BYTE
            stopMonth;
   BYTE
             stopDay;
             stopHourLocalTime;
   BYTE
            stopMinuteLocalTime;
   BYTE
   BYTE
             stopSecondLocalTime;
} ZW_METER_TBL_STATUS_DATE_GET_FRAME;
```

```
typedef struct _ZW_METER_TBL_STATUS_DEPTH_GET_FRAME_
                                        /* The command class */
   BYTE
            cmdClass;
                                       /* The command */
         cmd;
   BYTE
            statusEventLogDepth;
   BYTE
} ZW_METER_TBL_STATUS_DEPTH_GET_FRAME;
/* Meter Tbl Status Supported Get command class structs */
typedef struct _ZW_METER_TBL_STATUS_SUPPORTED_GET FRAME
          cmdClass;
cmd;
                                       /* The command class */
   BYTE
                                        /* The command */
} ZW_METER_TBL_STATUS_SUPPORTED_GET_FRAME;
.
/* Meter Tbl Status Supported Report command class structs ^{*}/
typedef struct _ZW_METER_TBL_STATUS_SUPPORTED_REPORT_FRAME_
                                        /* The command class */
   BYTE
            cmdClass;
                                       /* The command */
   BYTE
           cmd;
                                       /* MSB */
           supportedOperatingStatus1;
   BYTE
           supportedOperatingStatus2;
          supportedOperatingStatus3; /* LSB */
   BYTE
            statusEventLogDepth;
} ZW_METER_TBL_STATUS_SUPPORTED_REPORT_FRAME;
/* Meter Tbl Current Data Get command class structs */
typedef struct _ZW_METER_TBL_CURRENT_DATA_GET_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
   BYTE
           datasetRequested1;
                                       /* MSB */
          datasetRequested1;
   BYTE
                                       /* LSB */
   BYTE
            datasetRequested3;
} ZW_METER_TBL_CURRENT_DATA_GET_FRAME;
typedef struct _VG_METER_TBL_CURRENT_DATA_REPORT_VG_
          properties1;
currentValue1;
currentValue1
                                       /* masked byte */
                                       /* MSB */
   BYTE
   BYTE
          currentValue3;
currentValue4;
                                       /* LSB */
   BYTE
} VG_METER_TBL_CURRENT_DATA_REPORT_VG;
/* Meter Tbl Current Data Report 1byte command class structs */
typedef struct _ZW_METER_TBL_CURRENT_DATA_REPORT_1BYTE_FRAME_
            cmdClass;
                                        /* The command class */
                                       /* The command */
/**/
   BYTE
   BYTE
            reportsToFollow;
                                        /* masked byte */
   BYTE
            properties1;
                                       /* MSB */
   BYTE
            dataset1;
            dataset2;
   BYTE
            dataset3;
                                        /* LSB */
   BYTE
                                        /* MSB */
   BYTE
            year1;
                                        /* LSB */
   BYTE
            year2;
                                        /**/
   BYTE
           month;
                                        /**/
   BYTE
           day;
           hourLocalTime;
                                        /**/
   BYTE
           minuteLocalTime;
BYTE secondLocalTime; /**/
VG_METER_TBL_CURRENT_DATA_REPORT_VG variantgroup1;
} ZW_METER_TBL_CURRENT_DATA_REPORT_1BYTE_FRAME;
                                        /**/
                                                               /**/
,
typedef struct _ZW_METER_TBL_CURRENT_DATA_REPORT_2BYTE_FRAME_
   BYTE
           cmdClass;
                                        /* The command class */
```

```
BYTE
             cmd;
                                            /* The command */
             reportsToFollow;
   BYTE
   BYTE
             properties1;
                                            /* masked byte */
                                            /* MSB */
   BYTE
             dataset1;
   BYTE
             dataset2;
   BYTE
             dataset3;
                                            /* LSB */
                                            /* MSB */
   BYTE
             year1;
   BYTE
             year2;
                                            /* LSB */
                                            / * * /
   BYTE
             month;
   BYTE
             day;
             hourLocalTime;
   BYTE
             minuteLocalTime;
   BYTE
              secondLocalTime;
   VG METER TBL CURRENT DATA REPORT VG variantgroup1; VG METER TBL CURRENT DATA REPORT VG variantgroup2;
} ZW_METER_TBL_CURRENT_DATA_REPORT_2BYTE_FRAME;
typedef struct _ZW_METER_TBL_CURRENT_DATA_REPORT_3BYTE_FRAME_
   BYTE
             cmdClass;
                                            /* The command class */
                                            /* The command */
             cmd;
                                            /**/
/* masked byte */
             reportsToFollow;
   BYTE
   BYTE
             properties1;
                                            /* MSB */
   BYTE
             dataset1;
   BYTE
             dataset2:
                                            /* LSB *
   BYTE
             dataset3;
                                            /* MSB */
/* LSB */
/**/
   BYTE
             year1;
             year2;
   BYTE
   BYTE
             month;
   BYTE
             day;
             hourLocalTime;
   BYTE
             minuteLocalTime;
   BYTE
             secondLocalTime;
                                            /**/
   VG_METER_TBL_CURRENT_DATA_REPORT_VG variantgroup1;
   VG METER TBL CURRENT DATA REPORT VG variantgroup2; VG METER TBL CURRENT DATA REPORT VG variantgroup3;
} ZW_METER_TBL_CURRENT_DATA_REPORT_3BYTE_FRAME;
typedef struct _ZW_METER_TBL_CURRENT_DATA_REPORT_4BYTE_FRAME_
                                           /* The command class */
   BYTE
             cmdClass;
   BYTE
                                            /* The command */
   BYTE
             reportsToFollow;
                                            /* masked byte */
   RYTE
             properties1;
                                            /* MSB */
   BYTE
             dataset1;
   BYTE
             dataset2;
             dataset3;
                                            /* LSB *,
                                            /* MSB */
/* LSB */
   BYTE
             year1;
   BYTE
             year2;
                                            /**/
   BYTE
             month;
                                            /**/
   BYTE
             day;
hourLocalTime;
   BYTE
             minuteLocalTime;
             secondLocalTime;
VG_METER_TBL_CURRENT_DATA_REPORT_VG variantgroup1;
VG_METER_TBL_CURRENT_DATA_REPORT_VG variantgroup2;
VG_METER_TBL_CURRENT_DATA_REPORT_VG variantgroup3;
VG_METER_TBL_CURRENT_DATA_REPORT_VG variantgroup4;
} ZW_METER_TBL_CURRENT_DATA_REPORT_4BYTE_FRAME;
typedef struct _ZW_METER_TBL_HISTORICAL_DATA_GET_FRAME_
                                            /* The command class */
   BYTE
             cmdClass;
                                            /* The command */
   BYTE
             cmd;
             maximumReports;
   BYTE
   BYTE
             historicalDatasetRequested1;
                                            /* MSB */
   BYTE
             historicalDatasetRequested2;
                                           /* LSB */
   BYTE
             historicalDatasetRequested3;
                                            /* MSB */
/* LSB */
   BYTE
             startYear1;
   RYTE
             startYear2;
             startMonth;
   BYTE
    BYTE
             startDay;
```

```
startHourLocalTime;
            startMinuteLocalTime;
                                         /**/
   BYTE
                                         /**/
/* MSB */
   BYTE
            startSecondLocalTime;
   BYTE
            stopYear1;
                                         /* LSB */
            stopYear2;
   BYTE
   BYTE
            stopMonth;
           stopHourLocalTime;
                                         /**/
   BYTE
   BYTE
           stopMinuteLocalTime;
   BYTE
   BYTE
            stopSecondLocalTime;
} ZW_METER_TBL_HISTORICAL_DATA_GET_FRAME;
typedef struct _VG_METER_TBL_HISTORICAL_DATA_REPORT_VG_
                                      /* masked byte */
            properties1;
         historicalValue1;
historicalValue2;
historicalValue3;
historicalValue4:
   BYTE
   BYTE
   BYTE
                                        /* LSB */
            historicalValue4;
   BYTE
} VG_METER_TBL_HISTORICAL_DATA_REPORT_VG;
/* Meter Tbl Historical Data Report 1byte command class structs */
typedef struct _ZW_METER_TBL_HISTORICAL_DATA_REPORT_1BYTE_FRAME
                                        /* The command class */
            cmdClass;
                                        /* The command */
/**/
   BYTE
            cmd;
   BYTE
            reportsToFollow;
                                        /* masked byte */
   BYTE
            properties1;
                                         /* MSB */
   BYTE
            dataset1;
   BYTE
            dataset2;
   BYTE
            dataset3;
                                         /* LSB */
                                         /* MSB */
   BYTE
            year1;
                                         /* LSB */
   BYTE
            year2;
   BYTE
            month;
                                         /**/
   BYTE
            day;
           hourLocalTime;
   BYTE
           minuteLocalTime;
   BYTE
            secondLocalTime;
                                                                   /**/
   VG_METER_TBL_HISTORICAL_DATA_REPORT_VG variantgroup1;
} ZW_METER_TBL_HISTORICAL_DATA_REPORT_1BYTE_FRAME;
/* Meter Tbl Historical Data Report 2byte command class structs */
typedef struct _ZW_METER_TBL_HISTORICAL_DATA_REPORT_2BYTE_FRAME_
            cmdClass;
                                        /* The command class */
   BYTE
                                        /* The command */
            cmd;
                                        /**/
   BYTE
            reportsToFollow;
                                         /* masked byte */
   BYTE
            properties1;
                                         /* MSB */
   BYTE
            dataset1;
   BYTE
            dataset2:
                                         /* LSB */
   BYTE
            dataset3;
   BYTE
            year1;
                                         /* MSB */
                                         /* LSB */
/**/
   BYTE
            year2;
   BYTE
            month;
                                         /**/
   BYTE
            day;
            hourLocalTime;
   BYTE
                                         /**/
            minuteLocalTime;
   BYTE
            secondLocalTime;
                                         /**/
VG_METER_TBL_HISTORICAL_DATA_REPORT_VG_variantgroup1;
VG_METER_TBL_HISTORICAL_DATA_REPORT_VG_variantgroup2;
} ZW_METER_TBL_HISTORICAL_DATA_REPORT_2BYTE_FRAME;
/* Meter Tbl Historical Data Report 3byte command class structs */
typedef struct _ZW_METER_TBL_HISTORICAL_DATA_REPORT_3BYTE_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
   BYTE
            cmd;
                                        /**/
   BYTE
            reportsToFollow;
                                         /* masked byte */
   BYTE
            properties1;
                                         /* MSB */
            dataset1;
   RYTE
   BYTE
            dataset2;
            dataset3;
                                         /* LSB */
```

```
BYTE
            year1;
                                         /* MSB */
                                         /* LSB */
            year2;
   BYTE
                                         /**/
/**/
   BYTE
            month;
   BYTE
            day;
            hourLocalTime;
   BYTE
            minuteLocalTime;
   BYTE
                                         /**/
            secondLocalTime;
   VG_METER_TBL_HISTORICAL_DATA_REPORT_VG variantgroup1;
   VG METER TBL HISTORICAL DATA REPORT VG variantgroup2; VG METER TBL HISTORICAL DATA REPORT VG variantgroup3;
} ZW_METER_TBL_HISTORICAL_DATA_REPORT_3BYTE_FRAME;
/* Meter Tbl Historical Data Report 4byte command class structs */
typedef struct _ZW_METER_TBL_HISTORICAL_DATA_REPORT_4BYTE_FRAME_
            cmdClass;
                                         /* The command class */
                                        /* The command */
   BYTE
            cmd;
                                        /**/
/* masked byte */
   BYTE
            reportsToFollow;
   BYTE
            properties1;
                                         /* MSB */
   BYTE
            dataset1;
   BYTE
            dataset2;
                                         /* LSB */
            dataset3;
            year1;
   BYTE
                                         /* MSB */
                                         /* LSB */
   BYTE
            year2;
                                         ,
/**/
   BYTE
            month;
                                         /**/
   BYTE
            day;
            hourLocalTime;
   BYTE
            minuteLocalTime;
                                         /**/
                                         /**/
             secondLocalTime;
   BYTE
   VG_METER_TBL_HISTORICAL_DATA_REPORT_VG variantgroup1;
VG_METER_IBL_HISTORICAL_DATA_REPORT_VG_Variantgroup2;
VG_METER_TBL_HISTORICAL_DATA_REPORT_VG_variantgroup3;
VG_METER_TBL_HISTORICAL_DATA_REPORT_VG_variantgroup4;
} ZW_METER_TBL_HISTORICAL_DATA_REPORT_4BYTE_FRAME;
typedef struct _ZW_METER_TBL_REPORT_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
                                         /* The command */
   BYTE
            cmd;
                                        /* masked byte */
   BYTE
            properties1;
            properties2;
                                        /* masked byte */
   BYTE
                                         /* MSB */
   BYTE
            datasetSupported1;
            datasetSupported2;
   BYTE
   BYTE
            {\tt datasetSupported3;}
                                         /* LSB */
            datasetHistorySupported1;
datasetHistorySupported2;
                                        /* MSB */
   RYTE
   BYTE
            datasetHistorySupported3;
                                         /* LSB */
   BYTE
            dataHistorySupported1;
                                         /* MSB */
            dataHistorySupported2;
   BYTE
                                         /* LSB */
   BYTE
            dataHistorySupported3;
} ZW_METER_TBL_REPORT_FRAME;
/* Meter Tbl Table Capability Get command class structs */
typedef struct _ZW_METER_TBL_TABLE_CAPABILITY_GET_FRAME_
                                         /* The command class */
            cmdClass;
                                         /* The command */
   BYTE
            cmd;
} ZW METER TBL TABLE CAPABILITY GET FRAME;
typedef struct _ZW_METER_TBL_TABLE_ID_GET_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
                                         /* The command */
   BYTE
            cmd;
} ZW_METER_TBL_TABLE_ID_GET_FRAME;
,
typedef struct _ZW_METER_TBL_TABLE_ID_REPORT_1BYTE_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
```

```
cmd;
                                      /* The command */
        properties1;
meterIdCharacter1;
                                      /* masked byte */
   BYTE
   BYTE
} ZW_METER_TBL_TABLE_ID_REPORT_1BYTE_FRAME;
/* Meter Tbl Table Id Report 2byte command class structs */
/*******************
typedef struct _ZW_METER_TBL_TABLE_ID_REPORT_2BYTE_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
        properties1;
meterIdCharacter1;
                                      /* masked byte */
   BYTE
                                      /* MSB */
   BYTE
           meterIdCharacter2;
                                      /* LSB */
} ZW_METER_TBL_TABLE_ID_REPORT_2BYTE_FRAME;
/* Meter Tbl Table Id Report 3byte command class structs */
/********************
typedef struct _ZW_METER_TBL_TABLE_ID_REPORT_3BYTE_FRAME_
        cmdClass;
cmd;
properties1;
meterIdCharacter1;
meterIdCharacter2;
meterIdCharacter2;
                                      /* The command class */
   BYTE
                                      /* The command */
                                      /* masked byte */
   BYTE
   BYTE
                                      /* MSB */
   BYTE
           meterIdCharacter3;
                                      /* LSB */
   BYTE
} ZW_METER_TBL_TABLE_ID_REPORT_3BYTE_FRAME;
/* Meter Tbl Table Id Report 4byte command class structs */
typedef struct _ZW_METER_TBL_TABLE_ID_REPORT_4BYTE_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
       properties1;
meterIdCharacter1;
meterIdCharacter2;
meterIdCharacter3;
meterIdCharacter4;
                                      /* masked byte */
   BYTE
                                      /* MSB */
   BYTE
   BYTE
} ZW_METER_TBL_TABLE_ID_REPORT_4BYTE_FRAME;
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_GET_FRAME_
        cmdClass;
cmd;
                                     /* The command class */
   BYTE
                                     /* The command */
   BYTE
} ZW_METER_TBL_TABLE_POINT_ADM_NO_GET_FRAME;
/* Meter Tbl Table Point Adm No Report 1byte command class structs */
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_1BYTE_FRAME_
           cmdClass;
                                      /* The command class */
         cmd;
properties1;
                                      /* The command */
                                      /* masked byte */
   BYTE
           meterPointAdmNumberCharacter1;
   BYTE
} ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_1BYTE_FRAME;
/\star Meter Tbl Table Point Adm No Report 2byte command class structs \star/
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_2BYTE_FRAME_
                                      /* The command class */
           cmdClass;
                                     /* The command */
                                      /* masked byte */
           properties1;
   BYTE
         properties1; /* masked
meterPointAdmNumberCharacter1;/* MSB */
   BYTE
           meterPointAdmNumberCharacter2;/* LSB */
   BYTE
} ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_2BYTE_FRAME;
/* Meter Tbl Table Point Adm No Report 3byte command class structs */
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_3BYTE_FRAME
```

```
cmdClass;
                                             /* The command class */
                                             /* The command */
    BYTE
             cmd;
                                             /* masked byte */
   BYTE
             properties1;
             meterPointAdmNumberCharacter1;/* MSB */
    BYTE
             meterPointAdmNumberCharacter2;
   BYTE
             meterPointAdmNumberCharacter3;/* LSB */
   BYTE
} ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_3BYTE_FRAME;
// Meter Tbl Table Point Adm No Report 4byte command class structs */
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_4BYTE_FRAME_
    BYTE
             cmdClass;
                                             /\star The command class \star/
                                            /* The command */
/* masked byte */
   BYTE
             cmd;
         properties1; /* masked
meterPointAdmNumberCharacter1;/* MSB */
meterPointAdmNumberCharacter2;
meterPointAdmNumberCharacter3;
meterPointAdmNumberCharacter4;/* LSB */
   BYTE
    BYTE
    BYTE
   BYTE
} ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_4BYTE_FRAME;
/* Meter Tbl Status Report V2 variant group structs */
typedef struct _VG_METER_TBL_STATUS_REPORT_V2_VG_
                                             /* masked byte */
    BYTE
             properties1;
             year1;
                                             /* MSB */
   BYTE
                                             /* LSB */
/**/
/**/
    BYTE
             year2;
             month;
    BYTE
   BYTE
             day;
           hourLocalTime;
minuteLocalTime;
                                             /**/
   BYTE
    BYTE
             secondLocalTime;
    BYTE
} VG_METER_TBL_STATUS_REPORT_V2_VG;
typedef struct _ZW_METER_TBL_STATUS_REPORT_1BYTE_V2_FRAME_
    BYTE
            cmdClass;
                                             /* The command class */
                                            /* The command */
   BYTE
             cmd;
           reportsToFollow;
currentOperatingStatus1;
currentOperatingStatus2;
currentOperatingStatus2;
    BYTE
                                            /* MSB */
    RYTE
    BYTE
                                            /* LSB */
VG_METER_TBL_STATUS_REPORT_V2_VG_variantgroup1;
} ZW_METER_TBL_STATUS_REPORT_1BYTE_V2_FRAME;
                                                                     /**/
   /* Meter Tbl Status Report 2byte V2 command class structs */
typedef struct _ZW_METER_TBL_STATUS_REPORT_2BYTE_V2_FRAME_
                                             /* The command class */
             cmdClass;
    BYTE
                                             /* The command */
            cmd;
reportsToFollow;
   BYTE
                                            /**/
    BYTE
             currentOperatingStatus1;
                                            /* MSB */
    BYTE
             currentOperatingStatus2;
BYTE currentOperatingStatus3; /* LSB
VG_METER_TBL_STATUS_REPORT_V2_VG_variantgroup1;
VG_METER_TBL_STATUS_REPORT_V2_VG_variantgroup2;
} ZW_METER_TBL_STATUS_REPORT_2BYTE_V2_FRAME;
                                            /* LSB */
                                                                     /**/
typedef struct _ZW_METER_TBL_STATUS_REPORT_3BYTE_V2_FRAME_
   BYTE
             cmdClass;
                                             /* The command class */
                                            /* The command */
/**/
   BYTE
             cmd;
            reportsToFollow;
currentOperatingStatus1;
    BYTE
                                            /* MSB */
   BYTE
            currentOperatingStatus2;
currentOperatingStatus3;
                                           /* LSB */
   VG METER TBL STATUS REPORT V2 VG variantgroup1; VG METER TBL STATUS REPORT V2 VG variantgroup2; VG METER TBL STATUS REPORT V2 VG variantgroup3;
} ZW_METER_TBL_STATUS_REPORT_3BYTE_V2_FRAME;
```

```
/* Meter Tbl Status Report 4byte V2 command class structs */
typedef struct _ZW_METER_TBL_STATUS_REPORT_4BYTE_V2_FRAME_
                                           /* The command class */
            cmdClass;
    BYTE
            cmd;
                                           /* The command */
                                           /**/
           reportsToFollow;
    BYTE
           currentOperatingStatus1;
currentOperatingStatus2;
                                          /* MSB */
    RYTE
    BYTE
BYTE currentOperatingStatus2;

BYTE currentOperatingStatus3; /* LSB

VG_METER_TBL_STATUS_REPORT_V2_VG variantgroup1;

VG_METER_TBL_STATUS_REPORT_V2_VG variantgroup2;

VG_METER_TBL_STATUS_REPORT_V2_VG variantgroup3;

VG_METER_TBL_STATUS_REPORT_V2_VG variantgroup4;

} ZW_METER_TBL_STATUS_REPORT_4BYTE_V2_FRAME;
                                         /* LSB */
typedef struct _ZW_METER_TBL_STATUS_DATE_GET_V2_FRAME_
    BYTE
            cmdClass;
                                           /* The command class */
    BYTE
                                           /* The command */
                                           /**/
    BYTE
           maximumReports;
                                           /* MSB */
    BYTE
             startYear1;
                                           /* LSB */
            startYear2;
    BYTE
            startMonth;
    BYTE
                                           /**/
/**/
/**/
    BYTE
            startDay;
           startHourLocalTime;
startMinuteLocalTime;
startSecondLocalTime;
    BYTE
    BYTE
                                           /**/
    BYTE
            stopYear1;
stopYear2;
stopMonth;
                                           /* MSB */
    BYTE
                                           /* LSB */
    BYTE
    BYTE
    BYTE
            stopDay;
                                           /**/
          stopHourLocalTime;
stopMinuteLocalTime;
    BYTE
    BYTE
             stopSecondLocalTime;
    BYTE
} ZW_METER_TBL_STATUS_DATE_GET_V2_FRAME;
typedef struct _ZW_METER_TBL_STATUS_DEPTH_GET_V2_FRAME_
    BYTE
            cmdClass;
                                          /* The command class */
          cmd;
statusEventLogDepth;
                                          /* The command */
    BYTE
    BYTE
} ZW_METER_TBL_STATUS_DEPTH_GET_V2_FRAME;
/* Meter Tbl Status Supported Get V2 command class structs */
typedef struct _ZW_METER_TBL_STATUS_SUPPORTED_GET_V2_FRAME_
        cmdClass;
                                           /* The command class */
                                           /* The command */
             cmd;
} ZW_METER_TBL_STATUS_SUPPORTED_GET_V2_FRAME;
typedef struct _ZW_METER_TBL_STATUS_SUPPORTED_REPORT_V2_FRAME_
                                          /* The command class */
/* The command */
    BYTE
             cmdClass;
    BYTE
            cmd:
         cmd;
supportedOperatingStatus1;
supportedOperatingStatus2;
supportedOperatingStatus3;
statusEventLogDepth;
                                          /* MSB */
    BYTE
    BYTE
} ZW_METER_TBL_STATUS_SUPPORTED_REPORT_V2_FRAME;
/* Meter Tbl Current Data Get V2 command class structs */
typedef struct _ZW_METER_TBL_CURRENT_DATA_GET_V2_FRAME_
    BYTE
            cmdClass;
                                           /* The command class */
                                           /* The command */
    BYTE
            cmd;
```

/* MSB */

```
datasetRequested1;
        datasetRequested2;
datasetRequested3;
                                       /* LSB */
   BYTE
} ZW_METER_TBL_CURRENT_DATA_GET_V2_FRAME;
typedef struct _VG_METER_TBL_CURRENT_DATA_REPORT_V2_VG_
           properties1;
   BYTE
                                       /* masked byte */
       currentValue1;
currentValue2;
currentValue3;
currentValue4;
                                       /* MSB */
   BYTE
   BYTE
                                       /* LSB */
   BYTE
} VG_METER_TBL_CURRENT_DATA_REPORT_V2_VG;
/* Meter Tbl Current Data Report 1byte V2 command class structs */
typedef struct _ZW_METER_TBL_CURRENT_DATA_REPORT_1BYTE_V2_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
          cmd;
                                       /**/
/* masked byte */
           reportsToFollow;
   BYTE
   BYTE
           properties1;
                                       /* MSB */
   BYTE
            dataset1;
           dataset2:
   BYTE
                                       /* LSB */
           dataset3;
   BYTE
                                       /* MSB */
/* LSB */
/**/
   BYTE
           year1;
            year2;
   BYTE
           month;
   BYTE
   BYTE
           day;
hourLocalTime;
   BYTE
          minuteLocalTime;
                                       /**/
   BYTE
            secondLocalTime;
                                       /**/
                                                                 /**/
   VG_METER_TBL_CURRENT_DATA_REPORT_V2_VG variantgroup1;
} ZW_METER_TBL_CURRENT_DATA_REPORT_1BYTE_V2_FRAME;
typedef struct _ZW_METER_TBL_CURRENT_DATA_REPORT_2BYTE_V2_FRAME_
                                       /* The command class */
            cmdClass;
   BYTE
                                       /* The command */
   BYTE
           cmd;
           reportsToFollow;
                                       /**/
   BYTE
           properties1;
                                       /* masked byte */
/* MSB */
   BYTE
   BYTE
            dataset1;
   BYTE
           dataset2;
                                       /* LSB */
   BYTE
           dataset3;
           year1;
                                       /* MSB */
   BYTE
           year2;
                                       /* LSB */
           month;
                                       /**/
/**/
   BYTE
          day;
hourLocalTime;
   BYTE
   BYTE
           minuteLocalTime; secondLocalTime;
                                       /**/
   BYTE
   VG METER TBL CURRENT DATA REPORT V2 VG variantgroup1; VG METER TBL CURRENT DATA REPORT V2 VG variantgroup2;
} ZW_METER_TBL_CURRENT_DATA_REPORT_2BYTE_V2_FRAME;
/* Meter Tbl Current Data Report 3byte V2 command class structs */
typedef struct _ZW_METER_TBL_CURRENT_DATA_REPORT_3BYTE_V2_FRAME_
           cmdClass;
                                       /* The command class */
   BYTE
                                       /* The command */
   BYTE
           cmd;
           reportsToFollow;
                                       /**/
                                       /* masked byte */
/* MSB */
           properties1;
   BYTE
            dataset1;
   BYTE
            dataset2;
                                       /* LSB */
   BYTE
            dataset3;
                                       /* MSB */
   BYTE
           year1;
                                       /* LSB */
   BYTE
            year2;
                                       /**/
   BYTE
            month;
   BYTE
            day;
           hourLocalTime;
   RYTE
           minuteLocalTime;
   BYTE
           secondLocalTime;
```

```
VG METER TBL CURRENT DATA REPORT V2 VG variantgroup1;
   VG METER TBL CURRENT DATA REPORT V2 VG variantgroup2; VG METER TBL CURRENT DATA REPORT V2 VG variantgroup3;
} ZW_METER_TBL_CURRENT_DATA_REPORT_3BYTE_V2_FRAME;
typedef struct _ZW_METER_TBL_CURRENT_DATA_REPORT_4BYTE_V2_FRAME_
                                          /* The command class */
   BYTE
             cmdClass;
                                          /* The command */
   BYTE
            cmd;
             reportsToFollow;
             properties1;
   BYTE
                                          /* masked byte */
                                          /* MSB */
   BYTE
             dataset1;
   BYTE
             dataset2;
   BYTE
             dataset3;
                                          /* LSB */
   BYTE
             year1;
                                          /* MSB */
             year2;
                                          /* LSB */
   BYTE
                                          /**/
/**/
   BYTE
             month;
   BYTE
             day;
            hourLocalTime;
   BYTE
            minuteLocalTime;
                                          /**/
   BYTE
             secondLocalTime;
                                          /**/
   VG METER TBL CURRENT DATA REPORT V2 VG variantgroup1;
VG_METER_IBL_CURRENT_DATA_REPORT_V2_VG_Variantgroup2;
VG_METER_TBL_CURRENT_DATA_REPORT_V2_VG_Variantgroup3;
VG_METER_TBL_CURRENT_DATA_REPORT_V2_VG_Variantgroup4;
} ZW_METER_TBL_CURRENT_DATA_REPORT_4BYTE_V2_FRAME;
typedef struct _ZW_METER_TBL_HISTORICAL_DATA_GET_V2_FRAME_
   BYTE
             cmdClass;
                                          /* The command class */
                                          /* The command */
   BYTE
             cmd;
   BYTE
             maximumReports;
                                         /* MSB */
             historicalDatasetRequested1;
   BYTE
             historicalDatasetRequested2;
   BYTE
           historicalDatasetRequested3; /* LSB */
            startYear1;
                                          /* MSB */
                                          /* LSB */
/**/
   BYTE
            startYear2;
   BYTE
            startMonth;
                                          /**/
            startDay;
startHourLocalTime;
   BYTE
   BYTE
                                          /**/
   BYTE
             startMinuteLocalTime;
                                          /**/
/* MSB */
   BYTE
            startSecondLocalTime;
   BYTE
            stopYear1;
                                          /* LSB */
            stopYear2;
   RYTE
                                          /**/
   BYTE
            stopMonth;
            stopDay;
   BYTE
            stopHourLocalTime;
            stopMinuteLocalTime;
   BYTE
   BYTE
            stopSecondLocalTime;
} ZW_METER_TBL_HISTORICAL_DATA_GET_V2_FRAME;
/************************
/* Meter Tbl Historical Data Report V2 variant group structs */
typedef struct _VG_METER_TBL_HISTORICAL_DATA_REPORT_V2_VG_
            properties1;
                                          /* masked byte */
                                         /* MSB */
             historicalValue1;
   BYTE
            historicalValue2;
             historicalValue3;
                                         /* LSB */
             historicalValue4;
} VG_METER_TBL_HISTORICAL_DATA_REPORT_V2_VG;
/* Meter Tbl Historical Data Report 1byte V2 command class structs */
typedef struct _ZW_METER_TBL_HISTORICAL_DATA_REPORT_1BYTE_V2_FRAME_
                                          /* The command class */
   BYTE
            cmdClass;
                                         /* The command */
   BYTE
            cmd;
                                         /**/
   BYTE
             reportsToFollow;
                                          /* masked byte */
   BYTE
             properties1;
                                          /* MSB */
   RYTE
             dataset1;
   BYTE
             dataset2;
             dataset3;
                                          /* LSB */
```

```
BYTE
               year1;
                                                 /* MSB */
                                                 /* LSB */
               year2;
    BYTE
                                                 /**/
/**/
    BYTE
               month;
    BYTE
               day;
               hourLocalTime;
    BYTE
               minuteLocalTime;
    BYTE
               secondLocalTime;
                                                 /**/
    VG_METER_TBL_HISTORICAL_DATA_REPORT_V2_VG variantgroup1;
                                                                                     /**/
} ZW_METER_TBL_HISTORICAL_DATA_REPORT_1BYTE_V2_FRAME;
/* Meter Tbl Historical Data Report 2byte V2 command class structs */
typedef struct _ZW_METER_TBL_HISTORICAL_DATA_REPORT_2BYTE_V2_FRAME_
                                                 /* The command class */
    BYTE
               cmdClass;
                                                 /* The command */
    BYTE
               cmd;
    BYTE
               reportsToFollow;
                                                 /**/
    BYTE
               properties1;
                                                 /* masked byte */
                                                 /* MSB */
    BYTE
               dataset1;
    BYTE
               dataset2;
                                                 /* LSB */
    BYTE
               dataset3;
                                                 /* MSB */
    BYTE
               vear1;
                                                 /* LSB */
               year2;
                                                 /**/
/**/
/**/
    BYTE
               month;
    BYTE
               day;
    BYTE
               hourLocalTime;
              minuteLocalTime;
    BYTE
               secondLocalTime;
    VG METER TBL HISTORICAL DATA REPORT V2 VG variantgroup1; VG METER TBL HISTORICAL DATA REPORT V2 VG variantgroup2;
} ZW_METER_TBL_HISTORICAL_DATA_REPORT_2BYTE_V2_FRAME;
typedef struct _ZW_METER_TBL_HISTORICAL_DATA_REPORT_3BYTE_V2_FRAME_
                                                 /* The command class */
    BYTE
               cmdClass;
                                                 /* The command */
    BYTE
               cmd;
               reportsToFollow;
                                                 /* masked byte */
               properties1;
    BYTE
               dataset1;
                                                 /* MSB */
    BYTE
               dataset2;
                                                 /* LSB */
    BYTE
               dataset3;
                                                 /* MSB */
               year1;
    BYTE
                                                 /* LSB
    BYTE
               year2;
                                                 /**/
/**/
    BYTE
               month;
    BYTE
               day;
               hourLocalTime;
                                                 /**/
    RYTE
    BYTE
              minuteLocalTime;
               secondLocalTime;
                                                 /**/
    BYTE
    VG_METER_TBL_HISTORICAL_DATA_REPORT_V2_VG_variantgroup1;
VG_METER_TBL_HISTORICAL_DATA_REPORT_V2_VG_variantgroup2;
VG_METER_TBL_HISTORICAL_DATA_REPORT_V2_VG_variantgroup3;
} ZW_METER_TBL_HISTORICAL_DATA_REPORT_3BYTE_V2_FRAME;
/* Meter Tbl Historical Data Report 4byte V2 command class structs */
typedef struct _ZW_METER_TBL_HISTORICAL_DATA_REPORT_4BYTE_V2_FRAME_
                                                 /* The command class */
               cmdClass;
                                                 /* The command */
    BYTE
               cmd;
               reportsToFollow;
    BYTE
                                                 /**/
                                                 /* masked byte */
    BYTE
               properties1;
                                                 /* MSB */
    BYTE
               dataset1;
    BYTE
               dataset2:
    BYTE
               dataset3;
                                                 /* LSB */
                                                 /* MSB */
    BYTE
               year1;
                                                 /* LSB */
               year2;
                                                 /**/
/**/
    BYTE
               month;
    BYTE
               day;
               hourLocalTime;
    BYTE
                                                 /**/
    BYTE
               minuteLocalTime;
               secondLocalTime;
    VG_METER_TBL_HISTORICAL_DATA_REPORT_V2_VG_variantgroup1;
VG_METER_TBL_HISTORICAL_DATA_REPORT_V2_VG_variantgroup2;
VG_METER_TBL_HISTORICAL_DATA_REPORT_V2_VG_variantgroup3;
VG_METER_TBL_HISTORICAL_DATA_REPORT_V2_VG_variantgroup4;
} ZW_METER_TBL_HISTORICAL_DATA_REPORT_4BYTE_V2_FRAME;
```

```
/**********************
typedef struct _ZW_METER_TBL_REPORT_V2_FRAME_
          cmdClass;
                                      /* The command class */
   BYTE
           cmd;
                                     /* The command */
                                     /* masked byte */
          properties1;
   BYTE
       properties1;
properties2;
datasetSupported1;
datasetSupported2;
datasetSupported3;
datasetHistorySupported1;
datasetHistorySupported2;
datasetHistorySupported3;
dataHistorySupported1;
dataHistorySupported2;
dataHistorySupported3;
                                     /* masked byte */
   BYTE
                                     /* MSB */
   BYTE
   BYTE
                                    /* LSB */
/* MSB */
   BYTE
   BYTE
                                     /* LSB */
   BYTE
                                     /* MSB */
   BYTE
   BYTE
   BYTE
                                     /* LSB */
} ZW_METER_TBL_REPORT_V2_FRAME;
typedef struct ZW METER TBL TABLE CAPABILITY GET V2 FRAME
         cmdClass;
                                      /* The command class */
   BYTE
                                      /* The command */
   BYTE
           cmd:
} ZW_METER_TBL_TABLE_CAPABILITY_GET_V2_FRAME;
/* Meter Tbl Table Id Get V2 command class structs */
typedef struct _ZW_METER_TBL_TABLE_ID_GET_V2_FRAME_
        cmdClass;
cmd;
                                     /* The command class */
                                     /* The command */
   BYTE
} ZW_METER_TBL_TABLE_ID_GET_V2_FRAME;
/* Meter Tbl Table Id Report 1byte V2 command class structs */
typedef struct _ZW_METER_TBL_TABLE_ID_REPORT_1BYTE_V2_FRAME_
       cmdClass;
                                     /* The command class */
   BYTE
                                     /* The command */
   BYTE
                                     /* masked byte */
   BYTE
} ZW_METER_TBL_TABLE_ID_REPORT_1BYTE_V2_FRAME;
typedef struct _ZW_METER_TBL_TABLE_ID_REPORT_2BYTE_V2_FRAME_
                                     /* The command class */
           cmdClass;
   BYTE
        cmd;
properties1;
meterIdCharacter1;
meterIdCharacter2;
                                     /* The command */
   BYTE
                                      /* masked byte */
   BYTE
} ZW_METER_TBL_TABLE_ID_REPORT_2BYTE_V2_FRAME;
/* Meter Tbl Table Id Report 3byte V2 command class structs */
typedef struct _ZW_METER_TBL_TABLE_ID_REPORT_3BYTE_V2_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE properties1;
BYTE meterIdCharacter1;
BYTE meterIdCharacter2;
BYTE meterIdCharacter3;
                                     /* The command class */
                                     /* The command */
                                     /* masked byte */
                                     /* MSB */
                                      /* LSB */
   BYTE
           meterIdCharacter3;
} ZW_METER_TBL_TABLE_ID_REPORT_3BYTE_V2_FRAME;
,
typedef struct _ZW_METER_TBL_TABLE_ID_REPORT_4BYTE_V2_FRAME_
        cmdClass;
   BYTE
                                     /* The command class */
```

```
cmd;
                                     /* The command */
          properties1;
                                     /* masked byte */
   BYTE
                                     /* MSB */
   BYTE
           meterIdCharacter1;
        meterIdCharacter3;
   BYTE
   BYTE
                                    /* LSB */
           meterIdCharacter4;
   BYTE
} ZW_METER_TBL_TABLE_ID_REPORT_4BYTE_V2_FRAME;
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_GET_V2_FRAME_
        cmdClass;
                                     /* The command class */
                                     /* The command */
           cmd;
} ZW_METER_TBL_TABLE_POINT_ADM_NO_GET_V2_FRAME;
/st Meter Tbl Table Point Adm No Report 1byte V2 command class structs st/
/***************
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_1BYTE_V2_FRAME_
   BYTE
          cmdClass;
                                     /* The command class */
        cmd;
cmd;
properties1;
meterPointAdmNumberCharacter1;
                                     /* The command */
   BYTE
                                     /* masked byte */
   BYTE
} ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_1BYTE_V2_FRAME;
/* Meter Tbl Table Point Adm No Report 2byte V2 command class structs */
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_2BYTE_V2_FRAME_
   BYTE
          cmdClass;
                                     /* The command class */
         cmd;
properties1;
                                     /* The command */
   BYTE
                                     /* masked byte */
        meterPointAdmNumberCharacter1;/* MSB */
   BYTE
          meterPointAdmNumberCharacter2;/* LSB */
   BYTE
} ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_2BYTE_V2_FRAME;
/* Meter Tbl Table Point Adm No Report 3byte V2 command class structs */
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_3BYTE_V2_FRAME_
          cmdClass;
                                     /* The command class */
                                     /* The command */
          cmd;
          properties1;
                                     /* masked byte */
   BYTE
           meterPointAdmNumberCharacter1;/* MSB */
         meterPointAdmNumberCharacter2;
   BYTE
           meterPointAdmNumberCharacter3;/* LSB */
   BYTE
} ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_3BYTE_V2_FRAME;
/* Meter Tbl Table Point Adm No Report 4byte V2 command class structs */
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_4BYTE_V2_FRAME_
           cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
                                     /* masked byte */
   BYTE
          properties1;
        meterPointAdmNumberCharacter1;/* MSB */
meterPointAdmNumberCharacter2;
meterPointAdmNumberCharacter3;
meterPointAdmNumberCharacter4;/* LSB */
   BYTE
   BYTE
   BYTE
} ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_4BYTE_V2_FRAME;
/* Meter Tbl Push Configuration Get command class structs */
typedef struct _ZW_METER_TBL_PUSH_CONFIGURATION_GET_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
                                     /* The command */
           cmd;
} ZW_METER_TBL_PUSH_CONFIGURATION_GET_FRAME;
^{\prime *} Meter Tbl Push Configuration Report command class structs ^{*}/
typedef struct _ZW_METER_TBL_PUSH_CONFIGURATION_REPORT FRAME
```

```
cmdClass;
                                         /* The command class */
                                         /* The command */
   BYTE
            cmd;
                                         /* masked byte */
   BYTE
            properties1;
           pushDataset1;
                                         /* MSB */
   BYTE
            pushDataset2;
   BYTE
         pushDataset2;
pushDataset3;
intervalMonths;
intervalDays;
intervalHours;
intervalMinutes;
pushNoderd:
                                         /* LSB */
   BYTE
                                        /**/
   BYTE
                                         /**/
/**/
   BYTE
   BYTE
   BYTE
            pushNodeId;
   BYTE
} ZW_METER_TBL_PUSH_CONFIGURATION_REPORT_FRAME;
typedef struct _ZW_METER_TBL_PUSH_CONFIGURATION_SET_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
                                        /* The command */
/* masked byte */
   BYTE
            cmd;
   BYTE cmd;
BYTE properties1;
BYTE pushDataset1;
BYTE pushDataset2;
BYTE pushDataset3;
BYTE intervalMonths;
BYTE intervalHours;
BYTE intervalHours;
BYTE pushNodeId;
WMETER TRIPUSH CONFIGURAT:
                                        /* MSB */
                                         /* LSB */
                                         /**/
/**/
/**/
} ZW_METER_TBL_PUSH_CONFIGURATION_SET_FRAME;
typedef struct _ZW_METER_GET_FRAME_
         cmdClass;
cmd;
   BYTE
                                        /* The command class */
                                        /* The command */
   BYTE
} ZW_METER_GET_FRAME;
typedef struct _ZW_METER_REPORT_1BYTE_FRAME_
          cmdClass;
cmd;
meterType;
                                         /* The command class */
                                         /* The command */
   BYTE
   BYTE
                                        /* masked byte */
   BYTE
          properties1;
   BYTE
            meterValue1;
} ZW_METER_REPORT_1BYTE_FRAME;
typedef struct _ZW_METER_REPORT_2BYTE_FRAME_
   BYTE
           cmdClass;
                                         /* The command class */
          cmd;
meterType;
                                         /* The command */
   BYTE
                                         /**/
   BYTE
          properties1;
meterValue1;
                                        /* masked byte */
   BYTE
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
            meterValue2;
} ZW_METER_REPORT_2BYTE_FRAME;
/* Meter Report 3byte command class structs */
typedef struct _ZW_METER_REPORT_3BYTE FRAME
   BYTE
            cmdClass;
                                         /* The command class */
          cmd;
meterType;
                                         /* The command */
   BYTE
   BYTE
         properties1;
meterValue1;
meterValue2;
meterValue3;
                                        /* masked byte */
   BYTE
                                        /* MSB */
   BYTE
   BYTE
} ZW_METER_REPORT_3BYTE_FRAME;
/* Meter Report 4byte command class structs */
```

```
/************************
typedef struct _ZW_METER_REPORT_4BYTE_FRAME_
           cmdClass;
                                         /* The command class */
   BYTE
         cmd;
meterType;
properties1;
meterValue1;
meterValue2;
meterValue3;
meterValue4;
                                         /* The command */
   BYTE
                                         /**/
   BYTE
                                          /* masked byte */
   BYTE
                                         /* MSB */
   BYTE
   BYTE
                                         /* LSB */
   BYTE
} ZW_METER_REPORT_4BYTE_FRAME;
typedef struct _ZW_METER_GET_V2_FRAME_
                                         /* The command class */
   BYTE
           cmdClass;
                                         /* The command */
/* masked byte */
         cmd;
properties1;
   BYTE
   BYTE
} ZW_METER_GET_V2_FRAME;
typedef struct _ZW_METER_REPORT_1BYTE_V2_FRAME_
           cmdClass;
                                          /* The command class */
        cmdClass;
cmd;
properties1;
properties2;
meterValue1;
deltaTime1;
deltaTime2;
previousMeterValue1;
                                         /* The command */
                                         /* masked byte */
   BYTE
                                         /* masked byte */
   BYTE
   BYTE
                                         /* MSB */
   BYTE
                                         /* LSB */
   BYTE
} ZW_METER_REPORT_1BYTE_V2_FRAME;
typedef struct _ZW_METER_REPORT_2BYTE_V2_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
   BYTE cmdclass;
BYTE ccd;
BYTE properties1;
BYTE properties2;
BYTE meterValue1;
BYTE deltaTime1;
BYTE deltaTime2;
BYTE previousMeterValue1;
BYTE previousMeterValue2;
                                         /* The command */
                                         /* masked byte */
                                         /* masked byte */
                                         /* MSB */
/* LSB */
                                         /* MSB */
                                         /* LSB */
                                         /* MSB */
             previousMeterValue2;
} ZW_METER_REPORT_2BYTE_V2_FRAME;
typedef struct _ZW_METER_REPORT_3BYTE_V2_FRAME_
            cmdClass;
                                          /* The command class */
   BYTE
        cmdClass;
cmd;
properties1;
properties2;
meterValue1;
meterValue2;
meterValue3;
deltaTime1;
deltaTime2;
previousMeterValue1;
previousMeterValue2;
previousMeterValue3;
                                         /* The command */
   BYTE
                                         /* masked byte */
   BYTE
                                         /* masked byte */
   BYTE
                                         /* MSB */
   BYTE
                                        /* LSB */
/* MSB */
   BYTE
   BYTE
                                         /* LSB */
   BYTE
                                         /* MSB */
   BYTE
             previousMeterValue3;
                                         /* LSB */
   BYTE
} ZW_METER_REPORT_3BYTE_V2_FRAME;
typedef struct _ZW_METER_REPORT_4BYTE_V2_FRAME_
         cmdClass;
   BYTE
                                          /* The command class */
                                          /* The command */
   BYTE
            cmd;
```

```
properties1;
                                        /* masked byte */
                                        /* masked byte */
           properties2;
   BYTE
                                        /* MSB */
   BYTE
            meterValue1;
        metervalue1;
meterValue2;
meterValue3;
meterValue4;
deltaTime1;
deltaTime2;
previousMeterValue1;
previousMeterValue2;
previousMeterValue3;
previousMeterValue4;
   BYTE
   BYTE
   BYTE
                                        /* LSB */
                                        /* MSB */
   BYTE
                                        /* LSB */
/* MSB */
   BYTE
   BYTE
   BYTE
   BYTE
            previousMeterValue4;
                                       /* LSB */
   BYTE
} ZW_METER_REPORT_4BYTE_V2_FRAME;
typedef struct _ZW_METER_RESET_V2_FRAME_
         cmdClass;
cmd;
                                        /* The command class */
/* The command */
   BYTE
   BYTE
} ZW_METER_RESET_V2_FRAME;
/***********************
typedef struct _ZW_METER_SUPPORTED_GET_V2_FRAME_
       cmdClass;
cmd;
                                       /* The command class */
                                       /* The command */
} ZW_METER_SUPPORTED_GET_V2_FRAME;
typedef struct _ZW_METER_SUPPORTED_REPORT_V2_FRAME_
         cmdClass;
cmd;
properties1;
properties1;
                                        /* The command class */
   BYTE
                                        /* The command */
   BYTE
                                        /* masked byte */
   BYTE
                                        /* masked byte */
            properties2;
} ZW_METER_SUPPORTED_REPORT_V2_FRAME;
,
*************
typedef struct _ZW_METER_GET_V3_FRAME_
   BYTE
            cmdClass;
                                       /* The command class */
                                        /* The command */
   BYTE
          cmd;
            properties1;
                                       /* masked byte */
   BYTE
} ZW_METER_GET_V3_FRAME;
/* Meter Report 1byte V3 command class structs */
typedef struct _ZW_METER_REPORT_1BYTE_V3_FRAME_
            cmdClass;
                                        /* The command class */
   BYTE
                                       /* The command */
           cmd;
                                       /* masked byte */
   BYTE
           properties1;
         properties1;
properties2;
meterValue1;
deltaTime1;
deltaTime2;
                                       /* masked byte */
   BYTE
   BYTE
                                       /* MSB */
/* LSB */
   BYTE
   BYTE
            previousMeterValue1;
} ZW_METER_REPORT_1BYTE_V3_FRAME;
typedef struct _ZW_METER_REPORT_2BYTE_V3_FRAME_
   BYTE
           cmdClass;
                                        /* The command class */
          cmd:
properties1;
properties2;
meterValue1;
meterValue2;
                                        /* The command */
   BYTE
                                        /* masked byte */
   BYTE
                                        /* masked byte */
/* MSB */
/* LSB */
   BYTE
   BYTE
   BYTE
                                        /* MSB */
   BYTE
           deltaTime1;
                                        /* LSB */
   BYTE
            deltaTime2;
```

```
previousMeterValue1;
                                         /* MSB */
             previousMeterValue2;
} ZW METER REPORT 2BYTE V3 FRAME;
/* Meter Report 3byte V3 command class structs */
typedef struct _ZW_METER_REPORT_3BYTE_V3_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
                                         /* The command */
   BYTE
            cmd;
           properties1;
                                        /* masked byte */
        properties1;
properties2;
meterValue1;
meterValue2;
meterValue3;
deltaTime1;
deltaTime2;
previousMeterValue1;
previousMeterValue2;
previousMeterValue3;
   BYTE
                                         /* masked byte */
                                        /* MSB */
   BYTE
   BYTE
                                        /* LSB */
   BYTE
                                        /* MSB */
   BYTE
   BYTE
                                        /* LSB */
   BYTE
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
             previousMeterValue3;
} ZW_METER_REPORT_3BYTE_V3_FRAME;
typedef struct _ZW_METER_REPORT_4BYTE_V3_FRAME_
           cmdClass;
                                         /* The command class */
        cmd;
properties1;
properties2;
meterValue1;
meterValue2;
meterValue3;
meterValue4;
deltaTime1;
deltaTime2;
previousMeterValue1;
previousMeterValue2;
previousMeterValue3;
previousMeterValue4;
                                         /* The command */
            cmd;
                                         /* masked byte */
   BYTE
                                         /* masked byte */
   BYTE
                                         /* MSB */
   BYTE
   BYTE
   BYTE
                                       /* LSB */
   BYTE
                                        /* MSB */
   BYTE
                                        /* LSB */
/* MSB */
   BYTE
   BYTE
   BYTE
                                        /* LSB */
             previousMeterValue4;
} ZW_METER_REPORT_4BYTE_V3_FRAME;
typedef struct _ZW_METER_RESET_V3_FRAME_
        cmdClass;
cmd;
   BYTE
                                         /* The command class */
                                         /* The command */
   BYTE
} ZW_METER_RESET_V3_FRAME;
/* Meter Supported Get V3 command class structs */
typedef struct _ZW_METER_SUPPORTED_GET_V3_FRAME_
         cmdClass;
cmd;
                                        /* The command class */
                                        /* The command */
} ZW_METER_SUPPORTED_GET_V3_FRAME;
/* Meter Supported Report V3 command class structs */
typedef struct _ZW_METER_SUPPORTED_REPORT_V3_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE properties1;
BYTE scaleSupported;
                                         /* The command class */
                                         /* The command */
                                         /* masked byte */
             scaleSupported;
} ZW_METER_SUPPORTED_REPORT_V3_FRAME;
/* Meter Get V4 command class structs */
typedef struct _ZW_METER_GET_V4_FRAME_
           cmdClass;
cmd;
                                         /* The command class */
   BYTE
                                         /* The command */
   BYTE
          properties1;
                                         /* masked byte */
```

```
BYTE
             scale2;
} ZW_METER_GET_V4_FRAME;
/* Meter Report 1byte V4 command class structs */
typedef struct _ZW_METER_REPORT_1BYTE_V4_FRAME_
            cmdClass;
    BYTE
                                            /\!\!\!\!\!\!\!^{\star} The command class ^{\star}/\!\!\!\!\!\!\!\!\!\!
                                            /* The command */
   BYTE
             cmd;
            properties1;
                                            /* masked byte */
   BYTE
                                           /* masked byte */
            properties2;
meterValue1;
   BYTE
            deltaTime1;
deltaTime2;
                                            /* MSB */
/* LSB */
   BYTE
   BYTE
   BYTE previousMeterValue1;
              scale2;
   BYTE
} ZW_METER_REPORT_1BYTE_V4_FRAME;
// Meter Report 2byte V4 command class structs */
typedef struct _ZW_METER_REPORT_2BYTE_V4_FRAME_
    BYTE
             cmdClass;
                                            /* The command class */
    BYTE
                                            /* The command */
             cmd;
                                            /* masked byte */
   BYTE
             properties1;
            properties2;
meterValue1;
                                            /* masked byte */
   BYTE
                                            /* MSB */
   BYTE
          meterValue1;
meterValue2;
deltaTime1;
deltaTime2;
previousMeterValue1;
previousMeterValue2;
scale2;
   BYTE
                                           /* MSB */
/* LSB */
   BYTE
   BYTE
                                           /* MSB */
   BYTE
                                            /* LSB */
   BYTE
   BYTE
              scale2;
} ZW_METER_REPORT_2BYTE_V4_FRAME;
typedef struct _ZW_METER_REPORT_3BYTE_V4_FRAME_
   BYTE
            cmdClass;
                                            /* The command class */
                                            /* The command */
   BYTE
             cmd;
                                            /* masked byte */
            properties1;
   BYTE
            properties2;
meterValue1;
                                            /* masked byte */
   BYTE
                                            /* MSB */
   BYTE
   BYTE
            meterValue2;
                                           /* LSB */
            meterValue3;
deltaTime1;
deltaTime2;
   BYTE
                                           /* MSB */
   BYTE
                                            /* LSB */
   BYTE
          previousMeterValue1;
previousMeterValue2;
previousMeterValue3;
scale2;
                                            /* MSB */
   BYTE
    BYTE
                                            /* LSB */
/**/
   BYTE
} ZW_METER_REPORT_3BYTE_V4_FRAME;
typedef struct _ZW_METER_REPORT_4BYTE_V4_FRAME_
                                            /* The command class */
             cmdClass;
                                            /* The command */
   BYTE
             cmd;
        properties1;
properties2;
meterValue1;
meterValue2;
meterValue3;
meterValue4;
deltaTime1;
deltaTime2;
previousMeterValue1;
previousMeterValue2;
previousMeterValue3;
previousMeterValue4;
scale2;
            properties1;
                                            /* masked byte */
                                            /* masked byte */
/* MSB */
   BYTE
   BYTE
   BYTE
   BYTE
                                           /* LSB */
   BYTE
                                            /* MSB */
                                            /* LSB */
   BYTE
                                            /* MSB */
   BYTE
    BYTE
   BYTE
                                            /* LSB */
   BYTE
              scale2;
} ZW_METER_REPORT_4BYTE_V4_FRAME;
/* Meter Reset V4 command class structs */
```

```
/************************
typedef struct _ZW_METER_RESET_V4_FRAME_
           cmdClass;
                                           /* The command class */
   BYTE
                                          /* The command */
   BYTE
             cmd;
} ZW_METER_RESET_V4_FRAME;
/***********************
/* Meter Supported Get V4 command class structs */
typedef struct _ZW_METER_SUPPORTED_GET_V4_FRAME
   BYTE cmdClass;
BYTE cmd;
                                           /* The command class */
} ZW_METER_SUPPORTED_GET_V4_FRAME;
/* Meter Supported Report 1byte V4 command class structs */
typedef struct _ZW_METER_SUPPORTED_REPORT_1BYTE_V4_FRAME_
                                            /* The command class */
            cmdClass;
   BYTE
          cmd; /* The com
cmd; /* The com
properties1; /* masked !
properties2; /* masked !
numberOfScaleSupportedBytesToFollow;/**/
scaleSupported!.
                                            /* The command */
   BYTE
                                            /* masked byte */
   BYTE
                                            /* masked byte */
BYTE scaleSupported1;
} ZW_METER_SUPPORTED_REPORT_1BYTE_V4_FRAME;
/* Meter Supported Report 2byte V4 command class structs */
typedef struct _ZW_METER_SUPPORTED_REPORT_2BYTE_V4_FRAME_
   BYTE
            cmdClass;
                                           /* The command class */
                                           /* The command */
            cmd;
                                          /* masked byte */
          properties1; /* masked if properties2; /* masked if numberOfScaleSupportedBytesToFollow;/**/
scaleSupported1; /* MSB */
scaleSupported2; /* LSB */
   BYTE
                                           /* masked byte */
   BYTE
   BYTE
   BYTE
} ZW_METER_SUPPORTED_REPORT_2BYTE_V4_FRAME;
   /* Meter Supported Report 3byte V4 command class structs */
typedef struct _ZW_METER_SUPPORTED_REPORT_3BYTE_V4 FRAME
   BYTE
             cmdClass;
                                            /* The command class */
                                            /* The command */
   BYTE
            cmd;
        properties1; /* masked
properties2; /* masked
numberOfScaleSupportedBytesToFollow;/**/
scaleSupported1; /* MSB */
scaleSupported2;
scaleSupported2;
                                           /* masked byte */
   BYTE
                                            /* masked byte */
   BYTE
   BYTE
   BYTE
                                           /* LSB */
   BYTE
             scaleSupported3;
} ZW_METER_SUPPORTED_REPORT_3BYTE_V4_FRAME;
/* Meter Supported Report 4byte V4 command class structs */
typedef struct _ZW_METER_SUPPORTED_REPORT_4BYTE_V4_FRAME_
          cmdClass;
cmd;
properties1;
properties2;
numberOfScaleSupportedBytesToFollow;/**/
scaleSupported1;
scaleSupported2;
scaleSupported3;
scaleSupported4;
SUPPORTED_REPORT_4BYTE_V4_FRAME;
   BYTE
            cmdClass;
                                           /* The command class */
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
} ZW_METER_SUPPORTED_REPORT_4BYTE_V4_FRAME;
typedef struct _ZW_MOVE_TO_POSITION_GET_FRAME_
          cmdClass;
   BYTE
                                            /* The command class */
                                            /* The command */
   BYTE
            cmd;
```

```
} ZW MOVE TO POSITION GET FRAME;
typedef struct _ZW_MOVE_TO_POSITION_REPORT_FRAME_
   BYTE
           cmdClass;
                                     /* The command class */
         cmd;
                                     /* The command */
   BYTE
   BYTE
           value:
} ZW_MOVE_TO_POSITION_REPORT_FRAME;
/* Move To Position Set command class structs */
typedef struct _ZW_MOVE_TO_POSITION_SET_FRAME_
          cmdClass;
                                     /* The command class */
       cmd;
value;
                                     /* The command */
   BYTE
   BYTE
} ZW_MOVE_TO_POSITION_SET_FRAME;
/* Multi Channel Association Get V2 command class structs */
/**********************
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_GET_V2_FRAME_
                                     /* The command class */
           cmdClass:
   BYTE
         cmd;
                                    /* The command */
   BYTE
           groupingIdentifier;
} ZW_MULTI_CHANNEL_ASSOCIATION_GET_V2_FRAME;
^{\prime\prime} Multi Channel Association Groupings Get V2 command class structs ^{*\prime}
typedef struct ZW MULTI CHANNEL ASSOCIATION GROUPINGS GET V2 FRAME
          cmdClass;
   BYTE
                                     /\!\!\!\!\!\!\!^{\star} The command class ^{\star}/\!\!\!\!\!\!\!\!\!\!
                                     /* The command */
   BYTE
           cmd:
} ZW_MULTI_CHANNEL_ASSOCIATION_GROUPINGS_GET_V2_FRAME;
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_GROUPINGS_REPORT_V2_FRAME_
        cmdClass;
   BYTE
                                     /* The command class */
                                     /* The command */
           supportedGroupings;
} ZW_MULTI_CHANNEL_ASSOCIATION_GROUPINGS_REPORT_V2_FRAME;
typedef struct _VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V2_VG_
       multiChannelNodeId;
                                    /**/
   BYTE
           properties1;
                                     /* masked byte */
   BYTE
} VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V2_VG;
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_1BYTE_V2_FRAME
   BYTE
           cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
          cmd;
          groupingIdentifier;
nodeId1;
   BYTE
   BYTE
           marker;
                                    /*This marker identifier is used to separate between nodes without and
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
   VG MULTI CHANNEL ASSOCIATION REMOVE V2 VG variantgroup1;
} ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_1BYTE_V2_FRAME;
/* Multi Channel Association Remove 2byte V2 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_2BYTE_V2_FRAME_
   BYTE
          cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
          cmd;
```

```
groupingIdentifier;
                                           /* MSB */
/* LSB */
             nodeId1;
   BYTE
   BYTE
             nodeId2;
                                           /*This marker identifier is used to separate between nodes without and
   BYTE
             marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
   VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V2_VG_variantgroup1;
VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V2_VG_variantgroup2;
                                                                           /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_2BYTE_V2_FRAME;
/* Multi Channel Association Remove 3byte V2 command class structs ^{\star}/
typedef struct ZW MULTI CHANNEL ASSOCIATION REMOVE 3BYTE V2 FRAME
                                           /* The command class */
   BYTE
             cmdClass;
                                           /* The command */
   BYTE
             cmd;
   BYTE
             groupingIdentifier;
   BYTE
             nodeId1;
                                           /* MSB */
   BYTE
             nodeId2;
   BYTE
             nodeId3;
                                           /* LSB */
                                           /\star {	t This} marker identifier is used to separate between nodes without and
   BYTE
             marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
   VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V2_VG_variantgroup1;
VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V2_VG_variantgroup2;
VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V2_VG_variantgroup3;
                                                                            /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_3BYTE_V2_FRAME;
   /* Multi Channel Association Remove 4byte V2 command class structs */
/***********************
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_4BYTE_V2_FRAME_
                                           /* The command class */
   BYTE
             cmdClass;
                                           /* The command */
   BYTE
             cmd;
             groupingIdentifier;
                                           /**/
   BYTE
             nodeId1;
                                            /* MSB */
    BYTE
   BYTE
             nodeId2;
   BYTE
             nodeId3;
                                           /* LSB */
   BYTE
             nodeId4:
                                           /*This marker identifier is used to separate between nodes without and
   BYTE
             marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V2_VG variantgroup1;
VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V2_VG variantgroup2;
VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V2_VG variantgroup3;
VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V2_VG variantgroup4;
} ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_4BYTE_V2_FRAME;
                                                                           /**/
/**/
typedef struct _VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V2_VG_
          multiChannelNodeId;
             properties1;
                                           /* masked byte */
} VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V2_VG;
/* Multi Channel Association Report 1byte V2 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_1BYTE_V2_FRAME
             cmdClass;
                                           /* The command class */
   BYTE
                                           /* The command */
   BYTE
             cmd;
                                           /**/
             groupingIdentifier;
   BYTE
             maxNodesSupported;
                                            /**/
    BYTE
   BYTE
             reportsToFollow;
   RYTE
             nodeId1;
                                           /*This marker identifier is used to separate between nodes without and
   BYTE
             marker:
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
   VG MULTI CHANNEL ASSOCIATION REPORT V2 VG variantgroup1;
} ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_1BYTE_V2_FRAME;
   typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_2BYTE_V2_FRAME_
                                           /\,^{\star} The command class ^{\star}/\,
   BYTE
             cmdClass;
                                           /* The command */
   RYTE
             cmd:
             groupingIdentifier;
   BYTE
             maxNodesSupported;
```

```
reportsToFollow;
                                                  /* MSB */
/* LSB */
               nodeId1;
    BYTE
    BYTE
               nodeId2;
BYTE marker; /*This marker identifier is used to separate between nodes without and with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V2_VG_variantgroup1;
VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V2_VG_variantgroup2;
                                                                                       /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_2BYTE_V2_FRAME;
/* Multi Channel Association Report 3byte V2 command class structs ^{\star}/
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_3BYTE_V2_FRAME_
                                                  /* The command class */
    BYTE
               cmdClass;
                                                  /* The command */
    BYTE
               cmd;
    BYTE
               groupingIdentifier;
               maxNodesSupported;
                                                  /**/
                                                  /**/
    BYTE
                reportsToFollow;
    BYTE
                nodeId1;
                                                  /* MSB */
               nodeId2;
    BYTE
                                                  /* LSB */
    BYTE
               nodeId3;
                                                  /*This marker identifier is used to separate between nodes without and
    BYTE
               marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG MULTI CHANNEL ASSOCIATION REPORT V2 VG variantgroup1; VG MULTI CHANNEL ASSOCIATION REPORT V2 VG variantgroup2; VG MULTI CHANNEL ASSOCIATION REPORT V2 VG variantgroup3;
                                                                                     /**/
/**/
} ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_3BYTE_V2_FRAME;
/* Multi Channel Association Report 4byte V2 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_4BYTE_V2_FRAME_
               cmdClass;
                                                  /* The command class */
    BYTE
                                                  /* The command */
    BYTE
               cmd;
                                                  /**/
    BYTE
               groupingIdentifier;
                                                  /**/
    BYTE
               maxNodesSupported;
    BYTE
                reportsToFollow;
                                                  /* MSB */
    BYTE
               nodeId1;
    BYTE
               nodeId2;
               nodeId3;
    BYTE
               nodeId4;
                                                  /* LSB */
                                                  /*This marker identifier is used to separate between nodes without and
    BYTE
               marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V2_VG variantgroup1; /**/
VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V2_VG variantgroup2; /**/
VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V2_VG variantgroup3; /**/
VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V2_VG variantgroup4; /**/
VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V2_VG variantgroup4; /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_4BYTE_V2_FRAME;
    /* Multi Channel Association Set V2 variant group structs */
typedef struct _VG_MULTI_CHANNEL_ASSOCIATION_SET_V2_VG_
                                                  /**/
               multiChannelNodeId:
    BYTE
               properties1;
                                                  /* masked byte */
    BYTE
} VG_MULTI_CHANNEL_ASSOCIATION_SET_V2_VG;
// Multi Channel Association Set 1byte V2 command class structs */
/************************/
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_SET_1BYTE_V2_FRAME
     BYTE
               cmdClass;
                                                  /* The command class */
                                                  /* The command */
    BYTE
               cmd;
    BYTE
               groupingIdentifier;
    BYTE
               nodeId1;
               marker;
                                                 /*This marker identifier is used to separate between nodes without and
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG_MULTI_CHANNEL_ASSOCIATION_SET_V2_VG variantgroup1;
} ZW_MULTI_CHANNEL_ASSOCIATION_SET_1BYTE_V2_FRAME;
/* Multi Channel Association Set 2byte V2 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_SET_2BYTE_V2_FRAME_
               cmdClass;
                                                  /* The command class */
    BYTE
                                                  /* The command */
    BYTE
               cmd;
```

```
BYTE
              groupingIdentifier;
                                              /* MSB */
/* LSB */
              nodeId1;
    BYTE
    BYTE
              nodeId2;
                                              /*This marker identifier is used to separate between nodes without and
   BYTE
              marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG_MULTI_CHANNEL_ASSOCIATION_SET_V2_VG_variantgroup1;
VG_MULTI_CHANNEL_ASSOCIATION_SET_V2_VG_variantgroup2;
                                                                            /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_SET_2BYTE_V2_FRAME;
/* Multi Channel Association Set 3byte V2 command class structs ^{\star}/
typedef struct ZW MULTI CHANNEL ASSOCIATION SET 3BYTE V2 FRAME
                                              /* The command class */
    BYTE
              cmdClass;
                                              /* The command */
    BYTE
              cmd;
    BYTE
              groupingIdentifier;
    BYTE
              nodeId1;
                                              /* MSB */
    BYTE
              nodeId2;
    BYTE
              nodeId3;
                                              /* LSB */
                                              /\star {	t This} marker identifier is used to separate between nodes without and
    BYTE
              marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG_MULTI_CHANNEL_ASSOCIATION_SET_V2_VG_variantgroup1;
VG_MULTI_CHANNEL_ASSOCIATION_SET_V2_VG_variantgroup2;
VG_MULTI_CHANNEL_ASSOCIATION_SET_V2_VG_variantgroup3;
} ZW_MULTI_CHANNEL_ASSOCIATION_SET_3BYTE_V2_FRAME;
   /* Multi Channel Association Set 4byte V2 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_SET_4BYTE_V2_FRAME_
                                              /* The command class */
    BYTE
              cmdClass;
                                             /* The command */
    BYTE
              cmd;
              groupingIdentifier;
                                              /**/
    BYTE
              nodeId1;
                                              /* MSB */
    BYTE
    BYTE
              nodeId2;
    BYTE
              nodeId3;
                                              /* LSB */
    BYTE
              nodeTd4:
                                              /*This marker identifier is used to separate between nodes without and
    BYTE
              marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
VG_MULTI_CHANNEL_ASSOCIATION_SET_V2_VG variantgroup1;
VG_MULTI_CHANNEL_ASSOCIATION_SET_V2_VG variantgroup2;
VG_MULTI_CHANNEL_ASSOCIATION_SET_V2_VG variantgroup3;
VG_MULTI_CHANNEL_ASSOCIATION_SET_V2_VG variantgroup4;
} ZW_MULTI_CHANNEL_ASSOCIATION_SET_4BYTE_V2_FRAME;
                                                                            /**/
/**/
/* Multi Channel Association Get V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_GET_V3_FRAME_
                                              /* The command class */
                                              /* The command */
    BYTE
              groupingIdentifier;
    BYTE
} ZW_MULTI_CHANNEL_ASSOCIATION_GET_V3_FRAME;
/* Multi Channel Association Groupings Get V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_GROUPINGS_GET_V3_FRAME_
              cmdClass;
                                              /* The command class */
                                              /* The command */
    BYTE
              cmd;
} ZW MULTI CHANNEL ASSOCIATION GROUPINGS GET V3 FRAME;
/* Multi Channel Association Groupings Report V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_GROUPINGS_REPORT_V3_FRAME_
                                              /* The command class */
    BYTE
             cmdClass;
                                              /* The command */
   BYTE
             cmd;
              supportedGroupings;
    BYTE
} ZW_MULTI_CHANNEL_ASSOCIATION_GROUPINGS_REPORT_V3_FRAME;
/* Multi Channel Association Remove V3 variant group structs */
typedef struct _VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V3_VG_
```

```
multiChannelNodeId;
                                             /* masked byte */
              properties1;
} VG MULTI CHANNEL ASSOCIATION REMOVE V3 VG;
/* Multi Channel Association Remove 1byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_1BYTE_V3_FRAME_
                                            /* The command class */
             cmdClass;
    BYTE
                                            /* The command */
    BYTE
             cmd;
             groupingIdentifier;
    BYTE
             nodeId1;
                                            /*This marker identifier is used to separate between nodes without and
    BYTE
             marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V3_VG variantgroup1; /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_1EYTE_V3_FRAME;
/* Multi Channel Association Remove 2byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_2BYTE_V3_FRAME_
             cmdClass;
    BYTE
                                             /* The command class */
    BYTE
             cmd;
                                             /* The command */
                                             /**/
    BYTE
             groupingIdentifier;
                                             /* MSB */
    BYTE
             nodeId1;
                                             /* LSB */
    BYTE
             nodeTd2:
                                            /*This marker identifier is used to separate between nodes without and
    BYTE
             marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG MULTI_CHANNEL_ASSOCIATION_REMOVE_V3_VG variantgroup1;
VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V3_VG variantgroup2;
} ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_2BYTE_V3_FRAME;
/* Multi Channel Association Remove 3byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_3BYTE_V3_FRAME_
             cmdClass;
                                            /* The command class */
    BYTE
                                             /* The command */
    BYTE
             cmd;
             groupingIdentifier;
                                             /**/
                                             /* MSB */
    BYTE
             nodeId1;
    BYTE
             nodeId2;
                                            /* LSB */
    BYTE
             nodeId3;
                                            /*This marker identifier is used to separate between nodes without and
    BYTE
             marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V3_VG_variantgroup1;
VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V3_VG_variantgroup2;
VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V3_VG_variantgroup3;
                                                                            /**/
/**/
} ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_3BYTE_V3_FRAME;
/* Multi Channel Association Remove 4byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_4BYTE_V3_FRAME_
                                             /* The command class */
    BYTE
             cmdClass;
    BYTE
             cmd;
                                            /* The command */
                                             /**/
    BYTE
              groupingIdentifier;
                                             /* MSB */
    BYTE
              nodeId1;
    BYTE
             nodeId2;
    BYTE
             nodeId3;
                                            /* LSB */
    BYTE
              nodeId4;
                                            /*This marker identifier is used to separate between nodes without and
              marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V3_VG_variantgroup1;
VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V3_VG_variantgroup2;
VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V3_VG_variantgroup3;
VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V3_VG_variantgroup4;
                                                                             /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_4BYTE_V3_FRAME;
typedef struct _VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V3_VG_
            multiChannelNodeId;
    BYTE
BYTE properties1;
} VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V3_VG;
                                            /* masked byte */
```

```
^{\prime\star} Multi Channel Association Report 1byte V3 command class structs ^{\star\prime}
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_1BYTE_V3_FRAME_
              cmdClass;
                                               /* The command class */
                                              /* The command */
            cmd;
    BYTE
              groupingIdentifier;
                                               /**/
/**/
    BYTE
              maxNodesSupported;
    BYTE
              reportsToFollow;
    BYTE
              nodeId1;
                                              /*This marker identifier is used to separate between nodes without and
    BYTE
              marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V3_VG variantgroup1;
} ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_1BYTE_V3_FRAME;
/* Multi Channel Association Report 2byte V3 command class structs ^{\star}/
/***********************
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_2BYTE_V3_FRAME_
                                               /* The command class */
    BYTE
              cmdClass;
                                               /* The command */
    BYTE
              cmd;
                                               /**/
              groupingIdentifier;
    BYTE
              maxNodesSupported;
                                               /**/
                                               /**/
    BYTE
              reportsToFollow;
                                               /* MSB */
    BYTE
              nodeId1;
                                               /* LSB */
              nodeTd2:
    BYTE
                                              /*This marker identifier is used to separate between nodes without and
    BYTE
              marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V3_VG_variantgroup1;
VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V3_VG_variantgroup2;
} ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_2BYTE_V3_FRAME;
/* Multi Channel Association Report 3byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_3BYTE_V3_FRAME_
              cmdClass;
                                               /* The command class */
    BYTE
                                               /* The command */
              cmd;
              groupingIdentifier;
                                               /**/
                                               /**/
/**/
    BYTE
              maxNodesSupported;
    BYTE
              reportsToFollow;
                                               /* MSB */
    BYTE
              nodeId1;
              nodeId2;
    BYTE
                                               /* LSB */
    BYTE
              nodeId3;
                                              /*This marker identifier is used to separate between nodes without and
    BYTE
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V3_VG variantgroup1; /**/
VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V3_VG variantgroup2; /**/
VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V3_VG variantgroup3; /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_3BYTE_V3_FRAME;
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_4BYTE_V3_FRAME_
    BYTE
              cmdClass;
                                               /* The command class */
                                               /* The command */
    BYTE
              cmd;
                                               /**/
              groupingIdentifier;
    BYTE
                                               /**/
              maxNodesSupported;
    BYTE
              reportsToFollow;
    BYTE
              nodeId1;
                                               /* MSB */
    BYTE
    BYTE
              nodeId2;
    BYTE
              nodeId3;
                                              /* LSB */
    BYTE
              nodeTd4:
                                              /*This marker identifier is used to separate between nodes without and
    BYTE
              marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V3_VG_variantgroup1;
VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V3_VG_variantgroup2;
VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V3_VG_variantgroup3;
VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V3_VG_variantgroup4;
                                                                                /**/
/**/
} ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_4BYTE_V3_FRAME;
/* Multi Channel Association Set V3 variant group structs */
typedef struct _VG_MULTI_CHANNEL_ASSOCIATION_SET_V3_VG_
```

```
multiChannelNodeId;
               properties1;
                                              /* masked byte */
} VG MULTI CHANNEL ASSOCIATION SET V3 VG;
/* Multi Channel Association Set 1byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_SET_1BYTE_V3_FRAME_
                                               /* The command class */
              cmdClass;
    BYTE
                                              /* The command */
    BYTE
              cmd;
              groupingIdentifier;
    BYTE
              nodeId1;
                                              /*This marker identifier is used to separate between nodes without and
    BYTE
              marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
VG_MULTI_CHANNEL_ASSOCIATION_SET_V3_VG variantgroup1; /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_SET_1BYTE_V3_FRAME;
/* Multi Channel Association Set 2byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_SET_2BYTE_V3_FRAME_
              cmdClass;
    BYTE
                                               /* The command class */
    BYTE
              cmd;
                                               /* The command */
                                               /**/
    BYTE
              groupingIdentifier;
                                               /* MSB */
    BYTE
              nodeId1;
                                               /* LSB */
    BYTE
              nodeTd2:
                                               /*This marker identifier is used to separate between nodes without and
              marker;
    BYTE
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG MULTI_CHANNEL_ASSOCIATION_SET_V3_VG variantgroup1;
VG_MULTI_CHANNEL_ASSOCIATION_SET_V3_VG variantgroup2;
} ZW_MULTI_CHANNEL_ASSOCIATION_SET_2BYTE_V3_FRAME;
/* Multi Channel Association Set 3byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_SET_3BYTE_V3_FRAME_
              cmdClass;
                                               /* The command class */
    BYTE
                                               /* The command */
              cmd;
              groupingIdentifier;
                                               /**/
                                               /* MSB */
    BYTE
              nodeId1;
    BYTE
              nodeId2;
                                              /* LSB */
    BYTE
              nodeId3;
                                              /*This marker identifier is used to separate between nodes without and
    BYTE
              marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG_MULTI_CHANNEL_ASSOCIATION_SET_V3_VG_variantgroup1;
VG_MULTI_CHANNEL_ASSOCIATION_SET_V3_VG_variantgroup2;
VG_MULTI_CHANNEL_ASSOCIATION_SET_V3_VG_variantgroup3;
                                                                             /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_SET_3BYTE_V3_FRAME;
/* Multi Channel Association Set 4byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_SET_4BYTE_V3_FRAME_
                                               /* The command class */
    BYTE
              cmdClass;
                                               /* The command */
    BYTE
              cmd;
                                               /**/
    BYTE
              groupingIdentifier;
                                               /* MSB */
    BYTE
              nodeId1;
    BYTE
              nodeId2;
    BYTE
              nodeId3;
                                              /* LSB */
    BYTE
              nodeId4;
                                               /*This marker identifier is used to separate between nodes without and
              marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/

VG_MULTI_CHANNEL_ASSOCIATION_SET_V3_VG_variantgroup1; /**/

VG_MULTI_CHANNEL_ASSOCIATION_SET_V3_VG_variantgroup2; /**/

VG_MULTI_CHANNEL_ASSOCIATION_SET_V3_VG_variantgroup3; /**/

VG_MULTI_CHANNEL_ASSOCIATION_SET_V3_VG_variantgroup4; /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_SET_4BYTE_V3_FRAME;
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_GET_V2_FRAME_
                                               /\,^{\star} The command class ^{\star}/\,
    BYTE
              cmdClass;
                                               /* The command */
    BYTE
              cmd;
               properties1;
                                               /* masked byte */
    BYTE
} ZW MULTI CHANNEL CAPABILITY GET V2 FRAME;
```

```
/* Multi Channel Capability Report 1byte V2 command class structs */
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_REPORT_1BYTE_V2_FRAME_
          cmdClass;
                                         /* The command class */
   BYTE cmd;
BYTE properties1;
BYTE genericDeviceClass;
BYTE specificDeviceClass;
BYTE commandate 1
                                         /* The command */
                                          /* masked byte */
             commandClass1;
   BYTE
} ZW MULTI CHANNEL CAPABILITY REPORT 1BYTE V2 FRAME;
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_REPORT_2BYTE_V2_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE properties1;
BYTE genericDeviceClass;
BYTE specificDeviceClass;
BYTE commandClass1;
BYTE commandClass2;
                                         /* The command class */
                                         /* The command */
                                          /* masked byte */
                                         /**/
                                         /* MSB */
                                          /* LSB */
} ZW_MULTI_CHANNEL_CAPABILITY_REPORT_2BYTE_V2_FRAME;
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_REPORT_3BYTE_V2_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
          cmd;
properties1;
                                         /* The command */
   BYTE
                                         /* masked byte */
   BYTE genericDeviceClass;
BYTE specificDeviceClass;
BYTE commandClass1;
BYTE commandClass2;
BYTE commandClass3;
                                         /**/
                                         /**/
                                         /* MSB */
} ZW_MULTI_CHANNEL_CAPABILITY_REPORT_3BYTE_V2_FRAME;
,

/* Multi Channel Capability Report 4byte V2 command class structs */

/************************/
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_REPORT_4BYTE_V2_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
        cmdClass;
cmd;
properties1;
genericDeviceClass;
specificDeviceClass;
commandClass1;
commandClass2;
commandClass3;
commandClass4;
                                         /* The command */
   BYTE
                                         /* masked byte */
   BYTE
                                         /**/
   BYTE
                                         /**/
                                         /* MSB */
   BYTE
   BYTE
   BYTE
                                          /* LSB */
            commandClass4:
   BYTE
} ZW_MULTI_CHANNEL_CAPABILITY_REPORT_4BYTE_V2_FRAME;
/* Multi Channel End Point Find V2 command class structs */
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_V2_FRAME_
   BYTE cmdClass;
                                         /* The command class */
   BYTE cmd;
BYTE genericDeviceClass;
BYTE specific
                                         /* The command */
/**/
} ZW MULTI CHANNEL END POINT FIND V2 FRAME;
/* Multi Channel End Point Find Report V2 variant group structs */
/***********************/
typedef struct _VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V2_VG_
            properties1;
                                        /* masked byte */
} VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V2_VG;
/* Multi Channel End Point Find Report 1byte V2 command class structs */
```

```
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_1BYTE_V2_FRAME_
                                             /* The command class */
    BYTE
             cmdClass;
            cmd;
                                             /* The command */
    BYTE
             reportsToFollow;
    BYTE
                                             /**/
             genericDeviceClass;
    BYTE
              specificDeviceClass;
                                             /**/
    VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V2_VG variantgroup1;
                                                                                 /**/
} ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_1BYTE_V2_FRAME;
/* Multi Channel End Point Find Report 2byte V2 command class structs */
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_2BYTE_V2_FRAME_
                                             /* The command class */
             cmdClass;
    BYTE
                                             /* The command */
    BYTE
             cmd;
    BYTE
             reportsToFollow;
                                             /**/
                                             /**/
    BYTE
             genericDeviceClass;
              specificDeviceClass;
    BYTE
   VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V2_VG_variantgroup1;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V2_VG_variantgroup2;
} ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_2BYTE_V2_FRAME;
/* Multi Channel End Point Find Report 3byte V2 command class structs */
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_3BYTE_V2_FRAME_
                                             /* The command class */
             cmdClass;
            cmd;
                                             /* The command */
    BYTE
    BYTE
             reportsToFollow;
                                             /**/
    BYTE
             genericDeviceClass;
specificDeviceClass;
   VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V2_VG_variantgroup1;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V2_VG_variantgroup2;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V2_VG_variantgroup3;
} ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_3BYTE_V2_FRAME;
/* Multi Channel End Point Find Report 4byte V2 command class structs */
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_4BYTE_V2_FRAME_
                                             /* The command class */
    BYTE
             cmdClass;
                                             /* The command */
    BYTE
             cmd;
            reportsToFollow;
    BYTE
                                             /**/
             genericDeviceClass;
    BYTE
              specificDeviceClass;
   BYTE specificDeviceClass; /^^/
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V2_VG variantgroup1;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V2_VG variantgroup2;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V2_VG variantgroup3;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V2_VG variantgroup4;
} ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_4BYTE_V2_FRAME;
   *******************
typedef struct _ZW_MULTI_CHANNEL_END_POINT_GET_V2_FRAME_
            cmdClass;
                                             /* The command class */
   BYTE
                                             /* The command */
   BYTE
             cmd;
} ZW_MULTI_CHANNEL_END_POINT_GET_V2_FRAME;
/\star Multi Channel End Point Report V2 command class structs \star/
typedef struct _ZW_MULTI_CHANNEL_END_POINT_REPORT_V2_FRAME_
                                             /* The command class */
             cmdClass;
                                             /* The command */
             cmd;
             properties1;
                                             /* masked byte */
    BYTE
                                             /* masked byte */
   BYTE
              properties2;
} ZW_MULTI_CHANNEL_END_POINT_REPORT_V2_FRAME;
typedef struct _ZW_MULTI_INSTANCE_GET_V2_FRAME_
    BYTE
             cmdClass;
                                             /* The command class */
```

```
cmd;
commandClass;
                                        /* The command */
} ZW_MULTI_INSTANCE_GET_V2_FRAME;
/* Multi Instance Report V2 command class structs */
typedef struct _ZW_MULTI_INSTANCE_REPORT_V2_FRAME_
         cmdClass;
   BYTE
                                        /* The command class */
         cmd;
commandClass;
                                        /* The command */
   BYTE
   BYTE
                                        /* masked byte */
            properties1;
} ZW_MULTI_INSTANCE_REPORT_V2_FRAME;
  typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_GET_V3_FRAME_
  DIFE cmdClass;
BYTE cmd;
BYTE pro
                                        /* The command class */
/* The command */
            properties1;
                                        /* masked byte */
} ZW_MULTI_CHANNEL_CAPABILITY_GET_V3_FRAME;
/* Multi Channel Capability Report 1byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_REPORT_1BYTE_V3_FRAME_
   BYTE
           cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
           cmd;
                                        /* masked byte */
          properties1;
   BYTE
        genericDeviceClass;
specificDeviceClass;
commandClass1;
   BYTE
   BYTE
} ZW_MULTI_CHANNEL_CAPABILITY_REPORT_1BYTE_V3_FRAME;
/

/* Multi Channel Capability Report 2byte V3 command class structs */

/*********************/
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_REPORT_2BYTE_V3_FRAME_
           cmdClass;
                                        /* The command class */
   BYTE
         cmd;
properties1;
genericDeviceClass;
specificDeviceClass;
commandClass1;
commandClass2;
                                        /* The command */
   BYTE
                                        /* masked byte */
   BYTE
                                        /**/
   BYTE
                                        /**/
   BYTE
                                        /* MSB */
   BYTE
                                         /* LSB */
   BYTE
} ZW_MULTI_CHANNEL_CAPABILITY_REPORT_2BYTE_V3_FRAME;
/* Multi Channel Capability Report 3byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_REPORT_3BYTE_V3_FRAME_
                                        /* The command class */
   BYTE
           cmdClass;
   BYTE
           cmd;
                                        /* The command */
                                        /* rne command */
/* masked byte */
/**/
          properties1;
   BYTE
   BYTE
            genericDeviceClass;
   BYTE genericDeviceClass;
BYTE specificDeviceClass;
BYTE commandClass1;
BYTE commandClass2;
BYTE commandClass3;
                                        /**/
                                        /* MSB */
                                        /* LSB */
} ZW_MULTI_CHANNEL_CAPABILITY_REPORT_3BYTE_V3_FRAME;
/* Multi Channel Capability Report 4byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_REPORT_4BYTE_V3_FRAME_
                                        /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
   BYTE
            cmd;
                                        /* masked byte */
   BYTE
            properties1;
                                        /**/
/**/
            genericDeviceClass;
   BYTE
   BYTE
            specificDeviceClass;
                                        /* MSB */
   BYTE
            commandClass1;
           commandClass2;
   BYTE
           commandClass3;
   BYTE
            commandClass4;
                                        /* LSB */
```

```
} ZW MULTI CHANNEL CAPABILITY REPORT 4BYTE V3 FRAME;
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_V3_FRAME_
   BYTE
            cmdClass;
                                           /* The command class */
          cmd;
genericDeviceClass;
specificDeviceClass;
                                           /* The command */
   BYTE
   RYTE
   BYTE
} ZW_MULTI_CHANNEL_END_POINT_FIND_V3_FRAME;
/* Multi Channel End Point Find Report V3 variant group structs */
typedef struct _VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V3_VG_
   BYTE properties1;
} VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V3_VG;
   /* Multi Channel End Point Find Report 1byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_1BYTE_V3_FRAME_
                                            /* The command class */
   BYTE
             cmdClass;
                                           /* The command */
           cmd;
reportsToFollow;
   BYTE
            genericDeviceClass;
                                           /**/
                                            /**/
              specificDeviceClass;
   VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V3_VG variantgroup1;
                                                                              /**/
} ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_1BYTE_V3_FRAME;
   /* Multi Channel End Point Find Report 2byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_2BYTE_V3_FRAME_
          cmdClass;
cmd;
reportsToFollow;
genericDeviceClass;
specificDeviceClass:
                                           /* The command class */
   BYTE
                                            /* The command */
                                            /**/
                                           /**/
   BYTE
   BYTE
             specificDeviceClass;
   VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V3_VG_variantgroup1;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V3_VG_variantgroup2;
} ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_2BYTE_V3_FRAME;
/* Multi Channel End Point Find Report 3byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_3BYTE_V3_FRAME
          /* The command class */
   BYTE
                                            /* The command */
   BYTE
                                            /**/
   BYTE
                                           /**/
            genericDeviceClass;
   BYTE
             specificDeviceClass;
                                            /**/
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V3_VG variantgroup1;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V3_VG variantgroup2;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V3_VG variantgroup3;
} ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_3BYTE_V3_FRAME;
/* Multi Channel End Point Find Report 4byte V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_4BYTE_V3_FRAME_
   BYTE
            cmdClass;
                                            /* The command class */
            cmd;
                                            /* The command */
   BYTE
                                            /**/
            reportsToFollow;
                                            .
/**/
             genericDeviceClass;
   BYTE
   BYTE specificDeviceClass; /**/
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V3_VG_variantgroup1;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V3_VG_variantgroup2;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V3_VG_variantgroup3;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V3_VG_variantgroup4;
} ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_4BYTE_V3_FRAME;
/* Multi Channel End Point Get V3 command class structs */
```

```
typedef struct _ZW_MULTI_CHANNEL_END_POINT_GET_V3_FRAME_
          cmdClass;
                                       /* The command class */
   BYTE
                                       /* The command */
   BYTE
            cmd;
} ZW MULTI CHANNEL END POINT GET V3 FRAME;
/* Multi Channel End Point Report V3 command class structs */
typedef struct _ZW_MULTI_CHANNEL_END_POINT_REPORT_V3_FRAME
         cmdClass;
cmd;
properties1;
   BYTE
                                       /* The command class */
                                       /* The command */
   BYTE
                                       /* masked byte */
   BYTE
                                       /* masked byte */
   BYTE
            properties2;
} ZW MULTI CHANNEL END POINT REPORT V3 FRAME;
/***********************
/* Multi Instance Get V3 command class structs */
typedef struct _ZW_MULTI_INSTANCE_GET_V3_FRAME_
          cmdClass;
                                       /* The command class */
       cmd;
commandClass;
   BYTE
                                       /* The command */
   BYTE
} ZW_MULTI_INSTANCE_GET_V3_FRAME;
typedef struct _ZW_MULTI_INSTANCE_REPORT_V3_FRAME_
   BYTE
          cmdClass;
                                       /* The command class */
   BYTE cmd;
BYTE commandClass;
BYTE properties1;
                                       /* The command */
                                       /**/
                                       /* masked byte */
} ZW_MULTI_INSTANCE_REPORT_V3_FRAME;
/* Multi Channel Capability Get V4 command class structs */
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_GET_V4_FRAME_
                                       /* The command class */
           cmdClass;
         cmd;
                                       /* The command */
   BYTE
            properties1;
                                       /* masked byte */
} ZW_MULTI_CHANNEL_CAPABILITY_GET_V4_FRAME;
/
/* Multi Channel Capability Report 1byte V4 command class structs */
/*********************/
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_REPORT_1BYTE_V4_FRAME_
          cmdClass;
cmd;
                                      /* The command class */
/* The command */
   BYTE
   BYTE
       properties1;
genericDeviceClass;
specificDeviceClass;
commandClass1;
                                      /* masked byte */
   BYTE
   BYTE
} ZW_MULTI_CHANNEL_CAPABILITY_REPORT_1BYTE_V4_FRAME;
/* Multi Channel Capability Report 2byte V4 command class structs */
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_REPORT_2BYTE_V4_FRAME_
         cmdClass;
                                      /* The command class */
   BYTE
        cmdclass;
cmd;
properties1;
genericDeviceClass;
specificDeviceClass;
commandClass1;
commandClass2;
                                       /* The command */
   BYTE
                                       /* masked byte */
                                       /**/
                                       /**/
   BYTE
                                      /* MSB */
   BYTE
                                       /* LSB */
           commandClass2;
   BYTE
} ZW_MULTI_CHANNEL_CAPABILITY_REPORT_2BYTE_V4_FRAME;
/* Multi Channel Capability Report 3byte V4 command class structs */
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_REPORT_3BYTE_V4_FRAME
```

```
cmdClass;
                                         /* The command class */
                                         /* The command */
   BYTE
            cmd;
                                         /* masked byte */
   BYTE
            properties1;
                                         /**/
            genericDeviceClass;
   BYTE
   BYTE
            specificDeviceClass;
            commandClass1;
                                         /* MSB */
   BYTE
          commandClass2;
   BYTE
} ZW_MULTI_CHANNEL_CAPABILITY_REPORT_3BYTE_V4_FRAME;
/* Multi Channel Capability Report 4byte V4 command class structs */
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_REPORT_4BYTE_V4_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
   BYTE
            cmd;
         cmd;
properties1;
genericDeviceClass;
specificDeviceClass;
commandClass1;
commandClass2;
commandClass3;
commandClass4;
   BYTE
                                        /* masked byte */
                                        /**/
/**/
   BYTE
   BYTE
                                         /* MSB */
   BYTE
   BYTE
   BYTE
                                        /* LSB */
} ZW MULTI CHANNEL CAPABILITY REPORT 4BYTE V4 FRAME;
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_V4_FRAME_
                                         /* The command class */
   BYTE
           cmdClass;
          cmd;
genericDeviceClass;
                                         /* The command */
   BYTE
   BYTE
             specificDeviceClass;
} ZW MULTI CHANNEL END POINT FIND V4 FRAME;
typedef struct _VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V4_VG_
  BYTE properties1;
                         -
/* masked byte */
} VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V4_VG;
/* Multi Channel End Point Find Report 1byte V4 command class structs */
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_1BYTE_V4_FRAME_
         cmdClass;
                                         /* The command class */
   BYTE
          cmd;
reportsToFollow;
                                         /* The command */
   BYTE
                                         /**/
           genericDeviceClass;
                                         /**/
   BYTE
            specificDeviceClass;
   VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V4_VG variantgroup1;
} ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_1BYTE_V4_FRAME;
/* Multi Channel End Point Find Report 2byte V4 command class structs */
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_2BYTE_V4_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
          cmd;
reportsToFollow;
                                         /* The command */
                                         /**/
/**/
   BYTE
   RYTE
            genericDeviceClass;
             specificDeviceClass;
   BYTE
   VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V4_VG variantgroup1;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V4_VG variantgroup2;
} ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_2BYTE_V4_FRAME;
/* Multi Channel End Point Find Report 3byte V4 command class structs */
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_3BYTE_V4_FRAME
                                         /\,^{\star} The command class ^{\star}/\,
   BYTE
            cmdClass;
                                         /* The command */
          cmd;
reportsToFollow;
   BYTE
   BYTE
            genericDeviceClass;
```

```
specificDeviceClass;
   VG MULTI CHANNEL END POINT FIND REPORT V4 VG variantgroup1; VG MULTI CHANNEL END POINT FIND REPORT V4 VG variantgroup2; VG MULTI CHANNEL END POINT FIND REPORT V4 VG variantgroup3;
} ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_3BYTE_V4_FRAME;
^{\prime\prime} Multi Channel End Point Find Report 4byte V4 command class structs ^{\star\prime}
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_4BYTE_V4_FRAME_
                                          /* The command class */
            cmdClass;
                                          /* The command */
            cmd;
                                          /**/
           reportsToFollow;
   BYTE
   BYTE
             genericDeviceClass;
   BYTE specificDeviceClass; /**/
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V4_VG_variantgroup1;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V4_VG_variantgroup2;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V4_VG_variantgroup3;
VG_MULTI_CHANNEL_END_POINT_FIND_REPORT_V4_VG_variantgroup4;
} ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_4BYTE_V4_FRAME;
/* Multi Channel End Point Get V4 command class structs */
/************************
typedef struct _ZW_MULTI_CHANNEL_END_POINT_GET_V4_FRAME_
           cmdClass;
                                          /* The command class */
   BYTE
                                          /* The command */
             cmd;
} ZW_MULTI_CHANNEL_END_POINT_GET_V4_FRAME;
typedef struct _ZW_MULTI_CHANNEL_END_POINT_REPORT_V4_FRAME
   BYTE
           cmdClass;
                                          /* The command class */
           cmd;
properties1;
                                          /* The command */
   BYTE
                                          /* masked byte */
   RYTE
                                          /* masked byte */
           properties2;
   BYTE
             properties3;
                                          /* masked byte */
} ZW_MULTI_CHANNEL_END_POINT_REPORT_V4_FRAME;
typedef struct _ZW_MULTI_INSTANCE_GET_V4_FRAME_
   BYTE
            cmdClass;
                                          /* The command class */
          cmd;
commandClass;
                                          /* The command */
   BYTE
   BYTE
} ZW_MULTI_INSTANCE_GET_V4_FRAME;
/* Multi Instance Report V4 command class structs */
typedef struct _ZW_MULTI_INSTANCE_REPORT_V4_FRAME_
            cmdClass;
                                          /* The command class */
           cmd;
commandClass;
                                          /* The command */
   BYTE
                                          /* masked byte */
   BYTE
            properties1;
} ZW_MULTI_INSTANCE_REPORT_V4_FRAME;
/* Multi Channel Aggregated Members Get V4 command class structs */
typedef struct _ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_GET_V4_FRAME_
            cmdClass;
                                          /* The command class */
                                          /* masked byte */
             properties1;
} ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_GET_V4_FRAME;
/* Multi Channel Aggregated Members Report 1byte V4 command class structs */
typedef struct _ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_1BYTE_V4_FRAME_
                                          /* The command class */
   BYTE
            cmdClass;
                                          /* The command */
   BYTE
            cmd;
```

```
/* masked byte */
           properties1;
          numberOfBitMasks;
   BYTE
           aggregatedMembersBitMask1;
} ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_1BYTE_V4_FRAME;
/* Multi Channel Aggregated Members Report 2byte V4 command class structs */
typedef struct _ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_2BYTE_V4_FRAME_
   BYTE
           cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
           cmd;
                                     /* masked byte */
           properties1;
                                     /**/
   BYTE
           numberOfBitMasks;
                                    /* MSB */
/* LSB */
   BYTE
           \verb"aggregated Members Bit Mask1";
           aggregatedMembersBitMask2;
   BYTE
} ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_2BYTE_V4_FRAME;
/* Multi Channel Aggregated Members Report 3byte V4 command class structs */
typedef struct _ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_3BYTE_V4_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
                                     /* The command */
   BYTE
           cmd;
   BYTE
           properties1;
                                     /* masked byte */
   BYTE
           numberOfBitMasks;
                                     /* MSB */
           aggregatedMembersBitMask1;
   BYTE
          aggregatedMembersBitMask2;
                                    /* LSB */
           aggregatedMembersBitMask3;
} ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_3BYTE_V4_FRAME;
/* Multi Channel Aggregated Members Report 4byte V4 command class structs */
typedef struct _ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_4BYTE_V4_FRAME_
                                     /* The command class */
/* The command */
   BYTE
           cmdClass;
   BYTE
           cmd:
                                     /* masked byte */
          properties1;
   BYTE
           numberOfBitMasks;
           aggregatedMembersBitMask1;
                                     /* MSB */
   BYTE
           aggregatedMembersBitMask2;
          aggregatedMembersBitMask3;
   BYTE
                                     /* LSB */
   BYTE
           aggregatedMembersBitMask4;
} ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_4BYTE_V4_FRAME;
/* Multi Instance Association Get command class structs */
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_GET_FRAME_
                                     /* The command class */
                                     /* The command */
   BYTE
           groupingIdentifier;
} ZW_MULTI_INSTANCE_ASSOCIATION_GET_FRAME;
^{\prime \star} Multi Instance Association Groupings Get command class structs ^{\star \prime}
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_GROUPINGS_GET_FRAME_
           cmdClass;
                                     /* The command class */
                                      ^{\prime} /* The command */
   BYTE
           cmd;
} ZW MULTI INSTANCE ASSOCIATION GROUPINGS GET FRAME;
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_GROUPINGS_REPORT_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
        cmd;
                                     /* The command */
  BYTE
           supportedGroupings;
   BYTE
} ZW_MULTI_INSTANCE_ASSOCIATION_GROUPINGS_REPORT_FRAME;
/************************
/* Multi Instance Association Remove variant group structs */
typedef struct _VG_MULTI_INSTANCE_ASSOCIATION_REMOVE_VG_
```

```
multiInstanceNodeId;
             instance;
} VG MULTI INSTANCE ASSOCIATION REMOVE VG;
/* Multi Instance Association Remove 1byte command class structs */
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_REMOVE_1BYTE_FRAME_
                                           /* The command class */
             cmdClass;
   BYTE
                                           /* The command */
   BYTE
            cmd;
            groupingIdentifier;
   BYTE
             nodeId1;
                                           /*This marker identifier is used to separate between nodes without and
   BYTE
            marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
VG_MULTI_INSTANCE_ASSOCIATION_REMOVE_VG_variantgroup1;
} ZW_MULTI_INSTANCE_ASSOCIATION_REMOVE_1BYTE_FRAME;
/* Multi Instance Association Remove 2byte command class structs */
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_REMOVE_2BYTE_FRAME_
            cmdClass;
   BYTE
                                           /* The command class */
   BYTE
             cmd;
                                           /* The command */
                                           /**/
   BYTE
            groupingIdentifier;
                                           /* MSB */
   BYTE
             nodeId1;
                                           /* LSB */
   BYTE
             nodeTd2:
                                           /*This marker identifier is used to separate between nodes without and
             marker;
   BYTE
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
   VG MULTI INSTANCE ASSOCIATION REMOVE VG variantgroup1; VG_MULTI_INSTANCE_ASSOCIATION_REMOVE_VG variantgroup2;
} ZW_MULTI_INSTANCE_ASSOCIATION_REMOVE_2BYTE_FRAME;
/* Multi Instance Association Remove 3byte command class structs */
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_REMOVE_3BYTE_FRAME_
            cmdClass;
                                           /* The command class */
   BYTE
                                           /* The command */
             cmd;
             groupingIdentifier;
                                           /**/
                                           /* MSB */
   BYTE
             nodeId1;
   BYTE
             nodeId2;
                                           /* LSB */
   BYTE
             nodeId3;
                                           /*This marker identifier is used to separate between nodes without and
   BYTE
             marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG_MULTI_INSTANCE_ASSOCIATION_REMOVE_VG variantgroup1;
                                                                        /**/
/**/
   VG_MULTI_INSTANCE_ASSOCIATION_REMOVE_VG_variantgroup2;
VG_MULTI_INSTANCE_ASSOCIATION_REMOVE_VG_variantgroup3;
} ZW_MULTI_INSTANCE_ASSOCIATION_REMOVE_3BYTE_FRAME;
/* Multi Instance Association Remove 4byte command class structs */
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_REMOVE_4BYTE_FRAME_
                                           /* The command class */
   BYTE
            cmdClass;
                                           /* The command */
   BYTE
             cmd;
                                           /**/
   BYTE
             groupingIdentifier;
                                           /* MSB */
   BYTE
             nodeId1;
   BYTE
             nodeId2;
   BYTE
             nodeId3;
                                           /* LSB */
   BYTE
             nodeId4;
                                           /*This marker identifier is used to separate between nodes without and
             marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
   VG_MULTI_INSTANCE_ASSOCIATION_REMOVE_VG variantgroup1;
VG_MULTI_INSTANCE_ASSOCIATION_REMOVE_VG variantgroup2;
VG_MULTI_INSTANCE_ASSOCIATION_REMOVE_VG variantgroup3;
VG_MULTI_INSTANCE_ASSOCIATION_REMOVE_VG variantgroup4;
} ZW_MULTI_INSTANCE_ASSOCIATION_REMOVE_4BYTE_FRAME;
typedef struct _VG_MULTI_INSTANCE_ASSOCIATION_REPORT VG
            multiInstanceNodeId;
   BYTE
   BYTE
             instance;
} VG_MULTI_INSTANCE_ASSOCIATION_REPORT_VG;
```

```
^{\prime \star} Multi Instance Association Report 1byte command class structs ^{\star \prime}
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_REPORT_1BYTE_FRAME_
    BYTE
              cmdClass;
                                               /* The command class */
                                               /* The command */
             cmd;
    BYTE
              groupingIdentifier;
                                               /**/
/**/
    BYTE
              maxNodesSupported;
    BYTE
              reportsToFollow;
    BYTE
              nodeId1;
                                               /*This marker identifier is used to separate between nodes without and
    BYTE
              marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG_MULTI_INSTANCE_ASSOCIATION_REPORT_VG variantgroup1;
} ZW_MULTI_INSTANCE_ASSOCIATION_REPORT_1BYTE_FRAME;
/* Multi Instance Association Report 2byte command class structs ^{\star}/
/********************
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_REPORT_2BYTE_FRAME_
                                               /* The command class */
    BYTE
              cmdClass;
                                               /* The command */
    BYTE
              cmd;
              groupingIdentifier;
                                               /**/
    BYTE
              maxNodesSupported;
                                               /**/
                                               /**/
    BYTE
              reportsToFollow;
                                               /* MSB */
    BYTE
              nodeId1;
                                               /* LSB */
              nodeId2:
    BYTE
                                               /*This marker identifier is used to separate between nodes without and
    BYTE
              marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    VG MULTI INSTANCE ASSOCIATION REPORT VG variantgroup1; VG_MULTI_INSTANCE_ASSOCIATION_REPORT_VG variantgroup2;
} ZW_MULTI_INSTANCE_ASSOCIATION_REPORT_2BYTE_FRAME;
/* Multi Instance Association Report 3byte command class structs */
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_REPORT_3BYTE_FRAME_
              cmdClass;
                                               /* The command class */
    BYTE
                                               /* The command */
              cmd;
              groupingIdentifier;
                                               /**/
                                               /**/
    BYTE
              maxNodesSupported;
                                               /**/
    BYTE
              reportsToFollow;
             nodeId1;
                                               /* MSB */
    BYTE
              nodeId2;
    BYTE
    BYTE
              nodeId3;
                                               /* LSB */
                                               /*This marker identifier is used to separate between nodes without and
    BYTE
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
VG_MULTI_INSTANCE_ASSOCIATION_REPORT_VG variantgroup1; /**/
VG_MULTI_INSTANCE_ASSOCIATION_REPORT_VG variantgroup2; /**/
VG_MULTI_INSTANCE_ASSOCIATION_REPORT_VG variantgroup3; /**/
} ZW_MULTI_INSTANCE_ASSOCIATION_REPORT_3BYTE_FRAME;
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_REPORT_4BYTE_FRAME
    BYTE
               cmdClass;
                                               /* The command class */
                                               /* The command */
    BYTE
              cmd;
                                               /**/
              groupingIdentifier;
    BYTE
                                               /**/
              maxNodesSupported;
    BYTE
               reportsToFollow;
    BYTE
              nodeId1;
                                               /* MSB */
    BYTE
    BYTE
              nodeId2;
              nodeId3;
    BYTE
                                               /* LSB */
    BYTE
              nodeTd4:
                                               /*This marker identifier is used to separate between nodes without and
    BYTE
              marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
    n end points attached. This field can be omitted in case VG_MULTI_INSTANCE_ASSOCIATION_REPORT_VG variantgroup1; VG_MULTI_INSTANCE_ASSOCIATION_REPORT_VG variantgroup2; VG_MULTI_INSTANCE_ASSOCIATION_REPORT_VG variantgroup3; VG_MULTI_INSTANCE_ASSOCIATION_REPORT_VG variantgroup4;
                                                                                /**/
/**/
} ZW_MULTI_INSTANCE_ASSOCIATION_REPORT_4BYTE_FRAME;
/* Multi Instance Association Set variant group structs */
typedef struct _VG_MULTI_INSTANCE_ASSOCIATION_SET_VG
```

```
multiInstanceNodeId;
             instance;
} VG MULTI INSTANCE ASSOCIATION SET VG;
/* Multi Instance Association Set 1byte command class structs */
/*****************
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_SET_1BYTE_FRAME_
                                           /* The command class */
             cmdClass;
   BYTE
                                           /* The command */
   BYTE
            cmd;
            groupingIdentifier;
   BYTE
             nodeId1;
                                           /*This marker identifier is used to separate between nodes without and
   BYTE
             marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
VG_MULTI_INSTANCE ASSOCIATION_SET_VG variantgroup1;
} ZW_MULTI_INSTANCE_ASSOCIATION_SET_1BYTE_FRAME;
^{\prime\star} Multi Instance Association Set 2byte command class structs ^{\star\prime}
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_SET_2BYTE_FRAME_
            cmdClass;
   BYTE
                                           /* The command class */
   BYTE
             cmd;
                                           /* The command */
                                           /**/
   BYTE
            groupingIdentifier;
                                           /* MSB */
   BYTE
             nodeId1;
                                           /* LSB */
   BYTE
             nodeTd2:
                                           /*This marker identifier is used to separate between nodes without and
             marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
   VG_MULTI_INSTANCE_ASSOCIATION_SET_VG_variantgroup1;
VG_MULTI_INSTANCE_ASSOCIATION_SET_VG_variantgroup2;
} ZW_MULTI_INSTANCE_ASSOCIATION_SET_2BYTE_FRAME;
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_SET_3BYTE_FRAME_
                                           /* The command class */
            cmdClass;
   BYTE
                                           /* The command */
             cmd;
             groupingIdentifier;
                                           /**/
                                           /* MSB */
   BYTE
             nodeId1;
   BYTE
             nodeId2;
                                           /* LSB */
   BYTE
             nodeId3;
                                           /*This marker identifier is used to separate between nodes without and
   BYTE
             marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
   VG MULTI INSTANCE ASSOCIATION SET VG variantgroup1; VG MULTI INSTANCE ASSOCIATION SET VG variantgroup2; VG MULTI INSTANCE ASSOCIATION SET VG variantgroup3;
} ZW_MULTI_INSTANCE_ASSOCIATION_SET_3BYTE_FRAME;
/* Multi Instance Association Set 4byte command class structs */
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_SET_4BYTE_FRAME_
                                           /* The command class */
   BYTE
            cmdClass;
                                           /* The command */
   BYTE
             cmd;
                                           /**/
   BYTE
             groupingIdentifier;
                                           /* MSB */
   BYTE
             nodeId1;
   BYTE
             nodeId2;
   BYTE
             nodeId3;
             nodeId4;
                                           /* LSB */
   BYTE
                                           /*This marker identifier is used to separate between nodes without and
             marker;
with end points attached. This field can be omitted in case no Multi Channel node follows.*/
   VG_MULTI_INSTANCE_ASSOCIATION_SET_VG_variantgroup1;
VG_MULTI_INSTANCE_ASSOCIATION_SET_VG_variantgroup2;
VG_MULTI_INSTANCE_ASSOCIATION_SET_VG_variantgroup3;
VG_MULTI_INSTANCE_ASSOCIATION_SET_VG_variantgroup4;
} ZW_MULTI_INSTANCE_ASSOCIATION_SET_4BYTE_FRAME;
typedef struct _ZW_MULTI_INSTANCE_GET_FRAME_
   BYTE
             cmdClass;
                                           /* The command class */
             cmd;
                                           /* The command */
   RYTE
             commandClass;
   BYTE
} ZW MULTI INSTANCE GET FRAME;
```

```
/**********************
/* Multi Instance Report command class structs */
typedef struct _ZW_MULTI_INSTANCE_REPORT_FRAME_
          cmdClass;
                                          /* The command class */
        cmd;
commandClass;
   BYTE
                                          /* The command */
   BYTE
   BYTE
             instances:
} ZW_MULTI_INSTANCE_REPORT_FRAME;
typedef struct _ZW_NODE_INFO_CACHED_GET_FRAME_
            cmdClass;
                                          /* The command class */
                                          /* The command */
   BYTE
          seqNo;
properties1;
                                         /
/**/
/* masked byte */
   BYTE
   BYTE
   BYTE
             nodeId;
} ZW_NODE_INFO_CACHED_GET_FRAME;
/* Node Info Cached Report 1byte command class structs */
typedef struct _ZW_NODE_INFO_CACHED_REPORT_1BYTE_FRAME_
                                          /* The command class */
/* The command */
   BYTE
            cmdClass;
   BYTE
   BYTE
            seqNo;
                                          /* masked byte */
/* masked byte */
   BYTE
           properties1;
        properties1;
properties2;
properties3;
reserved;
basicDeviceClass;
genericDeviceClass;
specificDeviceClass;
nonSecureCommandClass1;
securityScheme0Mark1;
securityScheme0Mark2;
securityScheme0CommandClass1;
   BYTE
                                          /* masked byte */
   BYTE
                                          /**/
/**/
   BYTE
                                          /**/
   BYTE
   BYTE
   BYTE
                                         /* MSB */
   BYTE
   BYTE
} ZW_NODE_INFO_CACHED_REPORT_1BYTE_FRAME;
/* Node Info Cached Report 2byte command class structs */
typedef struct _ZW_NODE_INFO_CACHED_REPORT_2BYTE_FRAME_
                                          /* The command class */
   BYTE
            cmdClass;
           cmd;
seqNo;
                                          /* The command */
   BYTE
           properties1;
properties2;
properties3;
   BYTE
                                          /* masked byte */
                                          /* masked byte */
   BYTE
                                          /* masked byte */
   BYTE
   BYTE
           reserved;
basicDeviceClass;
                                          /**/
         BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
             securitySchemeOCommandClass2; /* LSB */
   BYTE
} ZW_NODE_INFO_CACHED_REPORT_2BYTE_FRAME;
/* Node Info Cached Report 3byte command class structs */
typedef struct _ZW_NODE_INFO_CACHED_REPORT_3BYTE_FRAME_
                                          /* The command class */
   BYTE
            cmdClass;
           cmd;
seqNo;
properties1;
                                          /* The command */
   BYTE
   BYTE
                                          /* masked byte */
/* masked byte */
   BYTE
           properties2;
properties3;
   BYTE
                                          /* masked byte */
   BYTE
   BYTE
             reserved;
            basicDeviceClass;
   BYTE
```

```
genericDeviceClass;
            specificDeviceClass;
                                      /* MSB */
   BYTE
           nonSecureCommandClass1;
           nonSecureCommandClass2;
nonSecureCommandClass3;
   BYTE
                                      /* LSB */
   BYTE
           securitySchemeOMark1;
                                     /* MSB */
   BYTE
                                     /* LSB */
   BYTE
          securitySchemeOMark2;
           securitySchemeOCommandClass1; /* MSB */
          securityScheme0CommandClass2;
   BYTE
            securitySchemeOCommandClass3; /* LSB */
   BYTE
} ZW_NODE_INFO_CACHED_REPORT_3BYTE_FRAME;
/* Node Info Cached Report 4byte command class structs */
typedef struct _ZW_NODE_INFO_CACHED_REPORT_4BYTE_FRAME_
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
                                     /**/
/* masked byte */
/* masked byte */
   BYTE
           seqNo;
   BYTE
           properties1;
   BYTE
           properties2;
                                      /* masked byte */
   BYTE
           properties3;
           reserved;
                                      /**/
          basicDeviceClass;
                                      /**/
/**/
   BYTE
   BYTE
          genericDeviceClass;
   BYTE
            specificDeviceClass;
                                      /* MSB */
           nonSecureCommandClass1;
   BYTE
           nonSecureCommandClass2;
   BYTE
           nonSecureCommandClass3;
   BYTE
          nonSecureCommandClass4;
   BYTE
                                      /* LSB */
                                      /* MSB */
           securitySchemeOMark1;
   BYTE
                                     /* LSB */
   BYTE
           securitySchemeOMark2;
           securitySchemeOCommandClass1; /* MSB */
   BYTE
           securitySchemeOCommandClass2;
   BYTE
         securityScheme0CommandClass3;
securityScheme0CommandClass4; /* LSB */
   BYTE
} ZW_NODE_INFO_CACHED_REPORT_4BYTE_FRAME;
/* Node List Get command class structs */
typedef struct _ZW_NODE_LIST_GET_FRAME_
                                      /* The command class */
/* The command */
   BYTE
           cmdClass;
         cmd;
seqNo;
   BYTE
   BYTE
} ZW_NODE_LIST_GET_FRAME;
typedef struct _ZW_NODE_LIST_REPORT_1BYTE_FRAME_
   BYTE
          cmdClass;
                                      /* The command */
   BYTE
           cmd;
                                      /**/
          seqNo;
   BYTE
   BYTE
           status;
         nodeListControllerId;
nodeListDatal;
} ZW_NODE_LIST_REPORT_1BYTE_FRAME;
typedef struct _ZW_NODE_LIST_REPORT_2BYTE_FRAME_
           cmdClass;
                                      /* The command class */
   BYTE
                                      /* The command */
   BYTE
           cmd;
                                      /**/
   BYTE
          seqNo;
                                      /**/
           status;
                                      /**/
   BYTE
           nodeListControllerId;
                                      /* MSB */
   BYTE
         nodeListData1;
                                      /* LSB */
   BYTE
           nodeListData2;
} ZW_NODE_LIST_REPORT_2BYTE_FRAME;
/*********************
/* Node List Report 3byte command class structs */
typedef struct _ZW_NODE_LIST_REPORT_3BYTE_FRAME_
```

```
cmdClass;
                                              /* The command class */
   BYTE
                                              /* The command */
             cmd;
                                             /**/
/**/
   BYTE
             seqNo;
   BYTE
             status;
              nodeListControllerId;
   BYTE
          nodeListData1;
nodeListData2;
                                             /* MSB */
   BYTE
              nodeListData3;
                                             /* LSB */
} ZW_NODE_LIST_REPORT_3BYTE_FRAME;
/* Node List Report 4byte command class structs */
typedef struct _ZW_NODE_LIST_REPORT_4BYTE_FRAME_
   BYTE
             cmdClass;
                                             /\,^{\star} The command class ^{\star}/\,
            cmd;
seqNo;
status;
                                             /* The command */
   BYTE
   BYTE
                                             /**/
                                             /**/
   BYTE
          nodeListControllerId;
nodeListData1;
nodeListData2;
nodeListData3;
nodeListData4;
   BYTE
                                              /**/
                                             /* MSB */
   BYTE
   BYTE
   BYTE
                                             /* LSB */
} ZW NODE LIST REPORT 4BYTE FRAME;
typedef struct _ZW_NODE_INFO_CACHED_GET_V2_FRAME_
                                             /\star The command class \star/
   BYTE
             cmdClass;
                                             /* The command */
   BYTE
            cmd;
   BYTE
             seqNo;
           properties1;
                                             /* masked byte */
   BYTE
              nodeId;
} ZW_NODE_INFO_CACHED_GET_V2_FRAME;
typedef struct _ZW_NODE_INFO_CACHED_REPORT_1BYTE_V2_FRAME_
                                             /* The command class */
   BYTE
             cmdClass;
            cmd;
                                             /* The command */
   BYTE
   BYTE
             seaNo;
           properties1;
properties2;
properties3;
grantedKeys;
basicDeviceClass;
                                             /* masked byte */
   BYTE
                                              /* masked byte */
    BYTE
                                             /* masked byte */
   BYTE
                                             /**/
   BYTE
   BYTE
          genericDeviceClass;
genericDeviceClass;
specificDeviceClass;
nonSecureCommandClass1;
securityMark1;
securityMark2;
secureCommandClass
    BYTE
    BYTE
                                             /* MSB */
   BYTE
                                             /* LSB */
   BYTE
              secureCommandClass1;
   BYTE
} ZW_NODE_INFO_CACHED_REPORT_1BYTE_V2_FRAME;
/* Node Info Cached Report 2byte V2 command class structs */
typedef struct _ZW_NODE_INFO_CACHED_REPORT_2BYTE_V2_FRAME_
    BYTE
             cmdClass;
                                             /* The command class */
            cmd;
seqNo;
properties1;
properties2;
properties3;
                                              /* The command */
   BYTE
                                             /**/
    BYTE
                                             /* masked byte */
   BYTE
                                             /* masked byte */
    BYTE
                                             /* masked byte */
   BYTE
            grantedKeys;
basicDeviceClass;
                                             /**/
/**/
/**/
    BYTE
            genericDeviceClass;
   BYTE
             specificDeviceClass;
    BYTE
            nonSecureCommandClass1;
                                             /* MSB */
   BYTE
            nonSecureCommandClass2;
securityMark1;
                                             /* LSB */
    BYTE
                                             /* MSB */
    BYTE
           securityMark2;
secureCommandClass1;
                                             /* LSB */
   BYTE
                                             /* MSB */
    BYTE
              secureCommandClass2;
                                             /* LSB */
   BYTE
} ZW_NODE_INFO_CACHED_REPORT_2BYTE_V2_FRAME;
```

```
/* Node Info Cached Report 3byte V2 command class structs */
typedef struct _ZW_NODE_INFO_CACHED_REPORT_3BYTE_V2_FRAME_
                                              /* The command class */
             cmdClass;
    BYTE
                                              /* The command */
                                               /**/
    BYTE
              seqNo;
                                              /* masked byte */
    BYTE
              properties1;
                                              /* masked byte */
             properties2;
    BYTE
                                               /* masked byte */
              properties3;
    BYTE
            grantedKeys;
basicDeviceClass;
                                               /**/
                                               /**/
    BYTE
            genericDeviceClass;
specificDeviceClass;
nonSecureCommandClass1;
nonSecureCommandClass2;
nonSecureCommandClass3;
                                               /**/
    BYTE
    BYTE
    BYTE
                                              /* MSB */
    BYTE
                                              /* LSB */
    BYTE
          securityMarkl;
securityMarkl;
secureCommandClass1;
secureCommandClass2;
secureCommandClass3;
                                              /* MSB */
/* LSB */
    BYTE
    BYTE
                                              /* MSB */
    BYTE
    BYTE
              secureCommandClass3;
} ZW NODE INFO CACHED REPORT 3BYTE V2 FRAME;
typedef struct _ZW_NODE_INFO_CACHED_REPORT_4BYTE_V2_FRAME_
                                              /* The command class */
    BYTE
              cmdClass;
                                               /* The command */
    BYTE
             cmd;
    BYTE
              seqNo;
             properties1;
properties2;
                                              /* masked byte */
    BYTE
                                               /* masked byte */
            properties3;
grantedKeys;
basicDeviceClass;
                                               /* masked byte */
    BYTE
                                              /**/
/**/
    BYTE
         basicDeviceClass;
genericDeviceClass;
specificDeviceClass;
nonSecureCommandClass1;
nonSecureCommandClass2;
nonSecureCommandClass3;
nonSecureCommandClass4;
securityMark1;
securityMark2;
secureCommandClass1;
secureCommandClass2;
secureCommandClass3;
secureCommandClass3;
    RYTE
                                              /**/
    BYTE
    BYTE
                                               /* MSB */
    BYTE
    BYTE
                                              /* LSB */
    BYTE
                                              /* MSB */
    BYTE
                                               /* LSB */
    BYTE
    BYTE
                                              /* MSB */
    BYTE
    BYTE
              secureCommandClass4;
                                              /* LSB */
    BYTE
} ZW_NODE_INFO_CACHED_REPORT_4BYTE_V2_FRAME;
/* Node List Get V2 command class structs */
typedef struct _ZW_NODE_LIST_GET_V2_FRAME_
                                              /* The command class */
/* The command */
/**/
              cmdClass;
    BYTE
              seqNo;
} ZW_NODE_LIST_GET_V2_FRAME;
/* Node List Report 1byte V2 command class structs */
typedef struct _ZW_NODE_LIST_REPORT_1BYTE_V2_FRAME_
    BYTE
             cmdClass;
                                               /* The command class */
             cmd;
                                               /* The command */
    BYTE
                                              /**/
/**/
             seqNo;
status;
    BYTE
          nodeListControllerId;
    BYTE
    BYTE
              nodeListData1;
} ZW_NODE_LIST_REPORT_1BYTE_V2_FRAME;
/* Node List Report 2byte V2 command class structs */
typedef struct _ZW_NODE_LIST_REPORT_2BYTE_V2_FRAME_
```

```
BYTE
           cmdClass;
                                      /* The command class */
   BYTE
                                      ^{\prime} /* The command */
           cmd;
                                      /**/
/**/
   BYTE
           seqNo;
   BYTE
           status;
           nodeListControllerId;
   BYTE
          nodeListData1;
                                      /* MSB */
   BYTE
   BYTE
           nodeListData2;
} ZW_NODE_LIST_REPORT_2BYTE_V2_FRAME;
/* Node List Report 3byte V2 command class structs */
typedef struct _ZW_NODE_LIST_REPORT_3BYTE_V2_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
   BYTE
           cmd;
   BYTE
           seaNo;
   BYTE
           status;
                                      /**/
                                      /**/
   BYTE
          nodeListControllerId;
        nodeListData1;
nodeListData2;
   BYTE
                                      /* MSB */
   BYTE
                                      /* LSB */
   BYTE
           nodeListData3;
} ZW_NODE_LIST_REPORT_3BYTE_V2_FRAME;
/* Node List Report 4byte V2 command class structs */
typedef struct _ZW_NODE_LIST_REPORT_4BYTE_V2_FRAME_
                                      /* The command class */
/* The command */
   BYTE
           cmdClass;
          cmd;
seqNo;
   BYTE
                                      /**/
/**/
   BYTE
   BYTE
           status;
           nodeListControllerId;
   BYTE
         nodeListData1;
nodeListData2;
nodeListData3;
                                      /* MSB */
   BYTE
   BYTE
   BYTE
                                      /* LSB */
   BYTE
           nodeListData4;
} ZW_NODE_LIST_REPORT_4BYTE_V2_FRAME;
typedef struct _ZW_LEARN_MODE_SET_FRAME_
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
                                      /**/
/**/
   BYTE
           seqNo;
   BYTE
           reserved;
                                      /**/
   BYTE
           mode:
} ZW_LEARN_MODE_SET_FRAME;
/************************
typedef struct _ZW_LEARN_MODE_SET_STATUS_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
          cmd;
seqNo;
                                      /* The command */
   BYTE
                                      /**/
/**/
   BYTE
          status;
reserved;
   BYTE
   BYTE
           newNodeId;
   BYTE
} ZW_LEARN_MODE_SET_STATUS_FRAME;
typedef struct _ZW_NODE_INFORMATION SEND FRAME
   BYTE
           cmdClass;
                                      /* The command class */
          cmd;
                                      /* The command */
/**/
   BYTE
   BYTE
           seqNo;
         reserved;
destinationNodeId;
txOptions;
   BYTE
   BYTE
   BYTE
} ZW_NODE_INFORMATION_SEND_FRAME;
```

```
typedef struct _ZW_NETWORK_UPDATE_REQUEST_FRAME_
                                    /* The command class */
/* The command */
   BYTE
          cmdClass;
   BYTE
         cmd;
   BYTE
           seaNo;
} ZW_NETWORK_UPDATE_REQUEST_FRAME;
/* Network Update Request Status command class structs */
typedef struct _ZW_NETWORK_UPDATE_REQUEST_STATUS_FRAME
   BYTE
          cmdClass;
                                    /* The command class */
         cmd;
seqNo;
                                    /* The command */
   BYTE
   BYTE
   BYTE
           status;
} ZW NETWORK UPDATE REQUEST STATUS FRAME;
/*********************
typedef struct _ZW_DEFAULT_SET_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
        cmd;
seqNo;
  BYTE
                                    /* The command */
  BYTE
} ZW_DEFAULT_SET_FRAME;
typedef struct _ZW_DEFAULT_SET_COMPLETE_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
         cmd;
seqNo;
status;
   BYTE
                                    /* The command */
   BYTE
  BYTE
} ZW_DEFAULT_SET_COMPLETE_FRAME;
typedef struct _ZW_LEARN_MODE_SET_V2_FRAME_
                                    /* The command class */
          cmdClass;
   BYTE
         cmd;
seqNo;
reserved;
                                    /* The command */
   BYTE
                                    /**/
   BYTE
   BYTE
                                    /**/
   BYTE
           mode;
} ZW_LEARN_MODE_SET_V2_FRAME;
/* Learn Mode Set Status V2 command class structs */
typedef struct _ZW_LEARN_MODE_SET_STATUS_V2_FRAME_
   BYTE
          cmdClass:
                                    /* The command class */
                                    /* The command */
   BYTE
          cmd;
                                    /**/
/**/
/**/
   BYTE
          seqNo;
   BYTE
          status;
   BYTE
           reserved;
                                    /**/
           newNodeId;
   BYTE
   BYTE
           grantedKeys;
                                    /* MSB */
           dsk1;
   BYTE
   BYTE
           dsk2;
   BYTE
           dsk3;
   BYTE
           dsk4:
   BYTE
           dsk5:
   BYTE
           dsk6;
   BYTE
           dsk7;
   BYTE
           dsk9;
   BYTE
           dsk10;
   BYTE
           dsk11;
   BYTE
           dsk12;
   BYTE
           dsk13;
   BYTE
           dsk14;
   BYTE
           dsk15;
                                    /* LSB */
   BYTE
           dsk16;
} ZW_LEARN_MODE_SET_STATUS_V2_FRAME;
```

```
/* Node Information Send V2 command class structs */
typedef struct _ZW_NODE_INFORMATION_SEND_V2_FRAME_
        cmdClass;
cmd;
seqNo;
reserved;
destinationNodeId;
txOptions;
   BYTE
                                    /* The command class */
                                    /* The command */
   BYTE
                                    /**/
/**/
/**/
   BYTE
   BYTE
   BYTE
   BYTE
} ZW_NODE_INFORMATION_SEND_V2_FRAME;
typedef struct _ZW_NETWORK_UPDATE_REQUEST_V2_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
        cmd;
   BYTE
                                    /* The command */
   BYTE
           seqNo;
} ZW_NETWORK_UPDATE_REQUEST_V2_FRAME;
/* Network Update Request Status V2 command class structs */
typedef struct _ZW_NETWORK_UPDATE_REQUEST_STATUS_V2_FRAME_
        cmdClass;
cmd;
seqNo;
status;
                                    /* The command class */
                                    /* The command */
   BYTE
                                    /**/
   BYTE
   BYTE
} ZW_NETWORK_UPDATE_REQUEST_STATUS_V2_FRAME;
/* Default Set V2 command class structs */
typedef struct _ZW_DEFAULT_SET_V2_FRAME_
        cmdClass;
cmd;
seqNo;
cmm v2 FRAN
   BYTE
                                    /* The command class */
                                    /* The command */
} ZW_DEFAULT_SET_V2_FRAME;
typedef struct _ZW_DEFAULT_SET_COMPLETE_V2_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
          cmd;
        seqNo;
   BYTE
           status;
} ZW_DEFAULT_SET_COMPLETE_V2_FRAME;
typedef struct _ZW_DSK_GET_V2_FRAME_
        cmdClass;
                                    /* The command class */
  BYTE
        cmd;
                                    /* The command */
   BYTE
   BYTE
           seaNo;
} ZW_DSK_GET_V2_FRAME;
typedef struct _ZW_DSK_REPORT_V2 FRAME
   BYTE
           cmdClass;
                                    /* The command class */
                                    /* The command */
           cmd;
   BYTE
   BYTE
           seqNo;
                                    /* MSB */
   BYTE
           dsk1;
   BYTE
           dsk2;
   BYTE
           dsk3;
   BYTE
           dsk4;
   BYTE
           dsk5;
   RYTE
           dsk6:
   BYTE
          dsk7;
   BYTE
           dsk8;
```

```
dsk9;
   BYTE
            dsk10;
   BYTE
            dsk11;
   BYTE
            dsk12;
   BYTE
            dsk13;
   BYTE
            dsk14;
           dsk15;
dsk16;
   BYTE
                                       /* LSB */
} ZW_DSK_REPORT_V2_FRAME;
/* Failed Node Remove command class structs */
typedef struct _ZW_FAILED_NODE_REMOVE_FRAME_
           cmdClass;
   BYTE
                                        /* The command class */
                                       /* The command */
        cmd;
seqNo;
nodeId;
   BYTE
   BYTE
   BYTE
} ZW_FAILED_NODE_REMOVE_FRAME;
typedef struct _ZW_FAILED_NODE_REMOVE_STATUS_FRAME_
         cmdClass;
                                        /* The command class */
/* The command */
   BYTE
          cmd;
seqNo;
status;
nodeId;
   BYTE
   BYTE
                                        /**/
   BYTE
   BYTE
} ZW_FAILED_NODE_REMOVE_STATUS_FRAME;
/* Node Add command class structs */
typedef struct _ZW_NODE_ADD_FRAME_
            cmdClass;
                                        /* The command class */
   BYTE
           cmd;
seqNo;
                                        /* The command */
   BYTE
                                        /**/
            reserved;
                                        /**/
           mode;
                                        /**/
   BYTE
   BYTE
           txOptions;
} ZW_NODE_ADD_FRAME;
/* Node Add Status 1byte command class structs */
typedef struct _ZW_NODE_ADD_STATUS_1BYTE_FRAME_
            cmdClass;
   BYTE
                                        /* The command class */
                                        /* The command */
           cmd;
                                        /**/
   BYTE
           seqNo;
                                        /**/
   BYTE
           status;
                                        /**/
   BYTE
            reserved;
           newNodeId;
nodeInfoLength;
                                        /**/
   BYTE
   BYTE
          nodeInfoLengtn;
properties1;
properties2;
basicDeviceClass;
genericDeviceClass;
specificDeviceClass;
commandClass1;
                                        /* masked byte */
/* masked byte */
/**/
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
            commandClass1;
   BYTE
} ZW NODE ADD STATUS 1BYTE FRAME;
typedef struct _ZW_NODE_ADD_STATUS_2BYTE_FRAME_
   BYTE
           cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
            cmd;
           seqNo;
   BYTE
                                        /**/
   BYTE
            status;
                                        /**/
/**/
   BYTE
            reserved;
   BYTE
           newNodeId;
   BYTE
            nodeInfoLength;
                                        /* masked byte */
   BYTE
           properties1;
                                        /* masked byte */
   BYTE
            properties2;
            basicDeviceClass;
```

```
genericDeviceClass;
   BYTE
            specificDeviceClass;
                                         /* MSB */
   BYTE
            commandClass1;
                                         /* LSB */
   BYTE
            commandClass2;
} ZW_NODE_ADD_STATUS_2BYTE_FRAME;
/*\n^^^^^^^^^^^^^^^^^^^^^^^^^^^^
typedef struct _ZW_NODE_ADD_STATUS_3BYTE_FRAME_
                                         /* The command class */
            cmdClass;
                                         /* The command */
            cmd;
                                         /**/
/**/
   BYTE
            seqNo;
   BYTE
            status;
           reserved;
newNodeId;
                                         /**/
   BYTE
   BYTE
           nodeInfoLength;
properties1;
   BYTE
                                         /**/
                                         /* masked byte */
   BYTE
         properties1;
properties2;
basicDeviceClass;
genericDeviceClass;
specificDeviceClass;
commandClass1;
commandClass2;
commandClass3;
                                         /* masked byte */
/**/
   BYTE
   BYTE
                                         /**/
   BYTE
   BYTE
   BYTE
   BYTE
                                         /* LSB */
} ZW_NODE_ADD_STATUS_3BYTE_FRAME;
typedef struct _ZW_NODE_ADD_STATUS_4BYTE_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
   BYTE
           cmd;
seqNo;
                                         /* The command */
   BYTE
                                         /**/
   BYTE
            status;
                                         /**/
                                         /
/**/
           reserved;
   BYTE
                                         /**/
   BYTE
            newNodeId;
           nodeInfoLength;
properties1;
properties2;
basicDeviceClass;
   BYTE
                                         /* masked byte */
                                         /* masked byte */
                                         /**/
/**/
   BYTE
         genericDeviceClass;
specificDeviceClass;
commandClass1;
commandClass2;
commandClass3;
   BYTE
   BYTE
                                         /* MSB */
   BYTE
   BYTE
   BYTE
                                         /* LSB */
   BYTE
            commandClass4;
} ZW_NODE_ADD_STATUS_4BYTE_FRAME;
/* Node Remove command class structs */
typedef struct _ZW_NODE_REMOVE_FRAME_
           cmdClass;
cmd;
seqNo;
   BYTE
                                         /* The command class */
                                         /* The command */
   BYTE
   BYTE
                                         /**/
/**/
   BYTE
            reserved;
   BYTE
            mode;
} ZW_NODE_REMOVE_FRAME;
/************************
/* Node Remove Status command class structs */
typedef struct _ZW_NODE_REMOVE_STATUS_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
           cmd;
seqNo;
status;
                                         /* The command */
   BYTE
                                         /**/
   BYTE
BYTE nodeid;
} ZW_NODE_REMOVE_STATUS_FRAME;
typedef struct _ZW_FAILED_NODE_REPLACE_FRAME_
                                         /* The command class */
   BYTE
           cmdClass;
```

```
BYTE
          cmd;
                                   /* The command */
   BYTE
                                   /**/
          seqNo;
                                   /**/
  BYTE
          nodeId;
  BYTE
          txOptions;
  BYTE
          mode;
} ZW_FAILED_NODE_REPLACE_FRAME;
/* Failed Node Replace Status command class structs */
typedef struct _ZW_FAILED_NODE_REPLACE_STATUS_FRAME
   BYTE
          cmdClass;
                                   /* The command class */
                                   /* The command */
   BYTE
                                   /**/
/**/
  BYTE
          seqNo;
  BYTE
          status;
  BYTE
          nodeId;
} ZW_FAILED_NODE_REPLACE_STATUS_FRAME;
/* Node Neighbor Update Request command class structs */
typedef struct _ZW_NODE_NEIGHBOR_UPDATE_REQUEST_FRAME_
          cmdClass;
   BYTE
                                   /* The command class */
                                   /* The command */
   BYTE
          cmd;
   BYTE
          seqNo;
  BYTE
          nodeId:
} ZW_NODE_NEIGHBOR_UPDATE_REQUEST_FRAME;
typedef struct _ZW_NODE_NEIGHBOR_UPDATE_STATUS_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
                                   /* The command */
   BYTE
          cmd;
                                   /**/
   BYTE
         seqNo;
  BYTE
           status;
} ZW_NODE_NEIGHBOR_UPDATE_STATUS_FRAME;
typedef struct _ZW_RETURN_ROUTE_ASSIGN_FRAME_
                                   /* The command class */
   BYTE
          cmdClass;
                                   /* The command */
   BYTE
          seqNo;
                                  /**/
   BYTE
          sourceNodeId;
          destinationNodeId;
  BYTE
} ZW_RETURN_ROUTE_ASSIGN_FRAME;
/* Return Route Assign Complete command class structs */
typedef struct _ZW_RETURN_ROUTE_ASSIGN_COMPLETE_FRAME
          cmdClass;
                                   /* The command class */
                                   /* The command */
   BYTE
         seqNo;
   BYTE
  BYTE
          status;
} ZW_RETURN_ROUTE_ASSIGN_COMPLETE_FRAME;
typedef struct _ZW_RETURN_ROUTE_DELETE_FRAME_
          cmdClass;
                                   /* The command class */
                                   /* The command */
          cmd;
   BYTE
         seqNo;
  BYTE
          nodeId;
} ZW_RETURN_ROUTE_DELETE_FRAME;
/* Return Route Delete Complete command class structs */
typedef struct _ZW_RETURN_ROUTE_DELETE_COMPLETE_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
```

```
cmd;
                                    /* The command */
         seqNo;
   BYTE
   BYTE
           status;
} ZW_RETURN_ROUTE_DELETE_COMPLETE_FRAME;
/* Failed Node Remove V2 command class structs */
/*********************
typedef struct _ZW_FAILED_NODE_REMOVE_V2_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
        cmd;
seqNo;
nodeId;
   BYTE
   BYTE
} ZW_FAILED_NODE_REMOVE_V2_FRAME;
/* Failed Node Remove Status V2 command class structs */
typedef struct _ZW_FAILED_NODE_REMOVE_STATUS_V2_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
         cmd;
seqNo;
status;
                                    /* The command */
   BYTE
                                    /**/
   BYTE
                                    /**/
   BYTE
           nodeId;
} ZW_FAILED_NODE_REMOVE_STATUS_V2_FRAME;
typedef struct _ZW_NODE_ADD_V2_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
          cmd;
seqNo;
                                    /* The command */
   BYTE
                                    /**/
   BYTE
           reserved;
                                    /**/
                                    /**/
         mode;
   BYTE
           txOptions;
   BYTE
} ZW_NODE_ADD_V2_FRAME;
/* Node Add Status 1byte V2 command class structs */
typedef struct _ZW_NODE_ADD_STATUS_1BYTE_V2_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
   BYTE
                                    /* The command */
                                    /**/
/**/
   BYTE
          seqNo;
   RYTE
          status;
                                    /**/
   BYTE
          reserved;
          newNodeId;
nodeInfoLength;
                                    /**/
   BYTE
                                    /**/
          properties1;
                                    /* masked byte */
   BYTE
         properties2;
basicDeviceClass;
                                    /* masked byte */
   BYTE
   BYTE
          genericDeviceClass;
                                    /**/
   BYTE
          specificDeviceClass;
   BYTE
          nonSecureCommandClass1;
securityMark1;
securityMark2;
   BYTE
   BYTE
                                    /* MSB */
                                    /* LSB */
   BYTE
          secureCommandClass1;
   BYTE
   BYTE
           grantedKeys;
           kexFailType;
   BYTE
} ZW_NODE_ADD_STATUS_1BYTE_V2_FRAME;
typedef struct _ZW_NODE_ADD_STATUS_2BYTE_V2_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
           cmd;
   BYTE
          seqNo;
                                    /**/
   BYTE
           status;
                                    /**/
/**/
   BYTE
           reserved;
   BYTE
          newNodeId;
   BYTE
           nodeInfoLength;
                                    /* masked byte */
   RYTE
          properties1;
                                    /* masked byte */
   BYTE
           properties2;
   BYTE
           basicDeviceClass;
```

```
genericDeviceClass;
                                           /**/
/* MSB */
/* LSB */
             specificDeviceClass;
   BYTE
             nonSecureCommandClass1;
   BYTE
            nonSecureCommandClass2;
                                           /* MSB */
            securityMark1;
securityMark2;
   BYTE
                                           /* LSB */
   BYTE
           secureCommandClass1;
                                           /* MSB */
/* LSB */
/**/
   BYTE
   BYTE
             secureCommandClass2;
             grantedKeys;
   BYTE
   BYTE
             kexFailType;
} ZW_NODE_ADD_STATUS_2BYTE_V2_FRAME;
/* Node Add Status 3byte V2 command class structs */
typedef struct _ZW_NODE_ADD_STATUS_3BYTE_V2_FRAME_
             cmdClass;
                                           /* The command class */
                                           /* The command */
   BYTE
             cmd;
                                           /**/
/**/
   BYTE
             seqNo;
   BYTE
             status;
   BYTE
             reserved;
                                           /**/
   BYTE
             newNodeId;
            nodeInfoLength;
                                           /**/
                                           /* masked byte */
/* masked byte */
   BYTE
            properties1;
            properties2;
basicDeviceClass;
   BYTE
   BYTE
           genericDeviceClass;
specificDeviceClass;
                                           /**/
   BYTE
   BYTE
            nonSecureCommandClass1;
                                           /* MSB */
   BYTE
           nonSecureCommandClass2;
nonSecureCommandClass3;
   BYTE
                                           /* LSB */
   BYTE
                                           /* MSB */
   BYTE
            securityMark1;
                                           /* LSB */
            securityMark2;
   BYTE
           securityMark2;
secureCommandClass1;
secureCommandClass2;
                                           /* MSB */
   BYTE
   BYTE
                                           /* LSB */
/**/
   BYTE
             secureCommandClass3;
   BYTE
           grantedKeys;
   BYTE
             kexFailType;
} ZW_NODE_ADD_STATUS_3BYTE_V2_FRAME;
/* Node Add Status 4byte V2 command class structs */
typedef struct _ZW_NODE_ADD_STATUS_4BYTE_V2_FRAME_
                                           /* The command class */
   BYTE
            cmdClass;
   BYTE
                                            /* The command */
                                           /**/
/**/
   BYTE
             seqNo;
   BYTE
             status;
                                           /**/
   BYTE
             reserved;
                                           /**/
   BYTE
             newNodeId;
             nodeInfoLength;
                                           /**/
             properties1;
                                            /* masked byte */
   BYTE
            properties2;
basicDeviceClass;
                                            /* masked byte */
   BYTE
   BYTE
           genericDeviceClass;
specificDeviceClass;
                                           /**/
   BYTE
   BYTE
   BYTE
            nonSecureCommandClass1;
                                           /* MSB */
   BYTE
             nonSecureCommandClass2;
   BYTE
             nonSecureCommandClass3;
            nonSecureCommandClass4;
                                           /* LSB */
   BYTE
                                           /* MSB */
   BYTE
            securityMark1;
           securityMark2;
secureCommandClass1;
                                           /* LSB */
   BYTE
   BYTE
   BYTE
            secureCommandClass2;
   BYTE
            secureCommandClass3;
                                           /* LSB */
/**/
   BYTE
             secureCommandClass4;
            grantedKeys;
   BYTE
             kexFailType;
} ZW_NODE_ADD_STATUS_4BYTE_V2_FRAME;
typedef struct _ZW_NODE_REMOVE_V2_FRAME_
   BYTE
             cmdClass;
                                           /* The command class */
                                           /* The command */
   RYTE
             cmd;
   BYTE
             seqNo;
             reserved;
```

```
BYTE
         mode;
} ZW_NODE_REMOVE_V2_FRAME;
typedef struct _ZW_NODE_REMOVE_STATUS_V2_FRAME_
                                /* The command class */
  BYTE
         cmdClass;
                                /* The command */
  RYTE
         cmd;
                                /**/
         seqNo;
  BYTE
        status;
                                /**/
  BYTE
          nodeid;
} ZW_NODE_REMOVE_STATUS_V2_FRAME;
typedef struct _ZW_FAILED_NODE_REPLACE_V2_FRAME_
  BYTE
         cmdClass;
                                /* The command class */
                                /* The command */
  BYTE
         cmd;
                                /**/
  BYTE
         seaNo;
                                /**/
         nodeId;
        txOptions;
mode;
  BYTE
  BYTE
} ZW_FAILED_NODE_REPLACE_V2_FRAME;
/* Failed Node Replace Status V2 command class structs */
typedef struct _ZW_FAILED_NODE_REPLACE_STATUS_V2_FRAME_
  BYTE
         cmdClass;
                                /* The command class */
                                /* The command */
  BYTE
         cmd;
                                /**/
         seqNo;
  BYTE
                                /**/
          status;
                                 /
/**/
  BYTE
         nodeId;
  BYTE
          grantedKeys;
          kexFailType;
  BYTE
} ZW_FAILED_NODE_REPLACE_STATUS_V2_FRAME;
typedef struct _ZW_NODE_NEIGHBOR_UPDATE_REQUEST_V2_FRAME_
         cmdClass;
  BYTE
                                /* The command class */
      cmd;
seqNo;
                                /* The command */
  BYTE
                                /**/
  BYTE
         nodeId;
  BYTE
} ZW_NODE_NEIGHBOR_UPDATE_REQUEST_V2_FRAME;
/* Node Neighbor Update Status V2 command class structs */
typedef struct _ZW_NODE_NEIGHBOR_UPDATE_STATUS_V2_FRAME_
         cmdClass;
                                /* The command class */
                                /* The command */
  BYTE
        seqNo;
  BYTE
  BYTE
          status;
} ZW_NODE_NEIGHBOR_UPDATE_STATUS_V2_FRAME;
/* Return Route Assign V2 command class structs */
typedef struct _ZW_RETURN_ROUTE_ASSIGN_V2_FRAME_
         cmdClass;
                                /* The command class */
                                /* The command */
         cmd;
                                /* 1.
/**/
/**/
  BYTE
         seqNo;
        sourceNodeId;
  BYTE
          destinationNodeId;
  BYTE
} ZW_RETURN_ROUTE_ASSIGN_V2_FRAME;
/* Return Route Assign Complete V2 command class structs */
typedef struct _ZW_RETURN_ROUTE_ASSIGN_COMPLETE_V2_FRAME
```

```
BYTE
         cmdClass;
                                /* The command class */
                                /* The command */
  BYTE
         cmd;
  BYTE
         seqNo;
  BYTE
          status;
} ZW_RETURN_ROUTE_ASSIGN_COMPLETE_V2_FRAME;
typedef struct _ZW_RETURN_ROUTE_DELETE_V2_FRAME_
  BYTE
         cmdClass;
                                /* The command class */
       cmd;
seqNo;
                                /* The command */
                                /**/
  BYTE
  BYTE
         nodeId;
} ZW_RETURN_ROUTE_DELETE_V2_FRAME;
/* Return Route Delete Complete V2 command class structs */
/****************
typedef struct _ZW_RETURN_ROUTE_DELETE_COMPLETE_V2_FRAME_
       cmdClass;
  BYTE
                                /* The command class */
        cmd;
seqNo;
                                /* The command */
  BYTE
  BYTE
         status;
} ZW_RETURN_ROUTE_DELETE_COMPLETE_V2_FRAME;
/* Node Add Keys Report V2 command class structs */
typedef struct _ZW_NODE_ADD_KEYS_REPORT_V2_FRAME_
  BYTE
         cmdClass;
                                /* The command class */
        cmd;
seqNo;
  BYTE
                                /* The command */
  BYTE
        properties1;
  BYTE
                                /* masked byte */
  BYTE
          requested Keys;
} ZW_NODE_ADD_KEYS_REPORT_V2_FRAME;
typedef struct _ZW_NODE_ADD_KEYS_SET_V2_FRAME_
         cmdClass;
                                /* The command class */
                                /* The command */
  BYTE
         cmd;
                               /**/
/* masked byte */
  BYTE
         seqNo;
         properties1;
  BYTE
  BYTE
          grantedKeys;
} ZW_NODE_ADD_KEYS_SET_V2_FRAME;
typedef struct _ZW_NODE_ADD_DSK_REPORT_V2_FRAME_
  BYTE
         cmdClass;
                                /* The command class */
  BYTE
         cmd;
                                /* The command */
                                /**/
  BYTE
         seqNo;
                                /* masked byte */
  BYTE
         properties1;
                                /* MSB */
  BYTE
         dsk1;
  BYTE
         dsk2;
  BYTE
         dsk3;
  BYTE
         dsk4;
  BYTE
         dsk5;
  BYTE
         dsk6;
  BYTE
         dsk7:
  BYTE
         dsk8;
  BYTE
         dsk9;
         dsk10;
  BYTE
         dsk11;
  BYTE
         dsk12;
  BYTE
         dsk13;
  BYTE
         dsk14;
        dsk15;
dsk16;
  BYTE
                               /* LSB */
} ZW_NODE_ADD_DSK_REPORT_V2_FRAME;
/* Node Add Dsk Set 1byte V2 command class structs */
```

```
typedef struct _ZW_NODE_ADD_DSK_SET_1BYTE_V2_FRAME_
                                        /* The command class */
/* The command */
           cmdClass;
   BYTE
        cmd;
cmd;
seqNo;
properties1;
inputDal-1
   BYTE
                                        /**/
   BYTE
                                        /* masked byte */
            inputDsk1;
} ZW_NODE_ADD_DSK_SET_1BYTE_V2_FRAME;
/* Node Add Dsk Set 2byte V2 command class structs */
typedef struct _ZW_NODE_ADD_DSK_SET_2BYTE_V2_FRAME_
                                        /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
   BYTE
        cma;
seqNo;
properties1;
inputDsk1;
inputDsk2;
           cmd;
   BYTE
                                        /**/
                                        /* masked byte */
   BYTE
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
} ZW_NODE_ADD_DSK_SET_2BYTE_V2_FRAME;
typedef struct _ZW_NODE_ADD_DSK_SET_3BYTE_V2_FRAME_
           cmdClass;
                                        /* The command class */
           cmd;
seqNo;
                                        /* The command */
                                        /**/
   BYTE
         properties1;
inputDsk1;
inputDsk2;
inputDsk3;
                                        /* masked byte */
   BYTE
                                        /* MSB */
   BYTE
   BYTE
            inputDsk3;
                                        /* LSB */
   BYTE
} ZW_NODE_ADD_DSK_SET_3BYTE_V2_FRAME;
typedef struct _ZW_NODE_ADD_DSK_SET_4BYTE_V2_FRAME_
   BYTE
           cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
            cmd;
                                        /**/
   BYTE
           seqNo;
          properties1;
inputDsk1;
inputDsk2;
inputDsk3;
                                        /* masked byte */
   BYTE
                                        /* MSB */
   BYTE
   BYTE
   BYTE
                                       /* LSB */
   BYTE
            inputDsk4;
} ZW_NODE_ADD_DSK_SET_4BYTE_V2_FRAME;
typedef struct _ZW_NODE_NAMING_NODE_LOCATION_REPORT_FRAME_
   BYTE
           cmdClass;
                                        /* The command class */
   BYTE
           cmd;
                                        /* The command */
           level;
   BYTE
                                        /* masked byte */
                                        /* MSB */
   BYTE
            nodeLocationChar1;
           nodeLocationChar2;
   BYTE
           nodeLocationChar3;
   BYTE
          nodeLocationChars;
nodeLocationChars;
nodeLocationChars;
nodeLocationChars;
nodeLocationChars;
nodeLocationChars;
nodeLocationChars;
nodeLocationChars]
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
           nodeLocationChar11;
nodeLocationChar12;
   BYTE
         nodeLocationChar13;
nodeLocationChar14;
nodeLocationChar15;
nodeLocationChar16.
   BYTE
   BYTE
   BYTE
   BYTE
            nodeLocationChar16;
} ZW_NODE_NAMING_NODE_LOCATION_REPORT_FRAME;
```

```
typedef struct _ZW_NODE_NAMING_NODE_LOCATION_SET_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
                                         /* The command */
   BYTE
            cmd;
                                         /* masked byte */
   BYTE
            level:
                                         /* MSB */
            nodeLocationChar1;
   BYTE
   BYTE
           nodeLocationChar2;
            nodeLocationChar3;
   BYTE
            nodeLocationChar4;
   BYTE
            nodeLocationChar5;
            nodeLocationChar6;
   BYTE
   BYTE
            nodeLocationChar7;
            nodeLocationChar8;
   BYTE
            nodeLocationChar9;
   BYTE
            nodeLocationChar10;
            nodeLocationChar11;
nodeLocationChar12;
   BYTE
   BYTE
           nodeLocationChar13;
nodeLocationChar14;
   BYTE
   BYTE
   BYTE
            nodeLocationChar15;
                                         /* LSB */
   BYTE
            nodeLocationChar16;
} ZW_NODE_NAMING_NODE_LOCATION_SET_FRAME;
/* Node Naming Node Location Get command class structs */
typedef struct _ZW_NODE_NAMING_NODE_LOCATION_GET_FRAME_
            cmdClass;
                                         /* The command class */
                                         /* The command */
             cmd;
} ZW_NODE_NAMING_NODE_LOCATION_GET_FRAME;
/* Node Naming Node Name Get command class structs */
typedef struct _ZW_NODE_NAMING_NODE_NAME_GET_FRAME_
                                         /* The command class */
   BYTE
           cmdClass;
                                        /* The command */
   BYTE
             cmd;
} ZW_NODE_NAMING_NODE_NAME_GET_FRAME;
/* Node Naming Node Name Report command class structs */
typedef struct _ZW_NODE_NAMING_NODE_NAME_REPORT_FRAME_
   BYTE
                                         /* The command class */
            cmdClass;
   BYTE
                                         /* The command */
                                         /* masked byte */
   BYTE
            level;
                                         /* MSB */
            nodeNameChar1:
   RYTE
   BYTE
            nodeNameChar2;
   BYTE
            nodeNameChar3;
            nodeNameChar4;
   BYTE
            nodeNameChar5;
   BYTE
            nodeNameChar6;
   BYTE
            nodeNameChar7;
            nodeNameChar8;
   BYTE
   BYTE
            nodeNameChar9;
   BYTE
            nodeNameChar10;
   BYTE
            nodeNameChar11;
   BYTE
            nodeNameChar12;
            nodeNameChar13;
   BYTE
            nodeNameChar14;
   BYTE
            nodeNameChar15;
   BYTE
             nodeNameChar16;
                                        /* LSB */
} ZW_NODE_NAMING_NODE_NAME_REPORT_FRAME;
/* Node Naming Node Name Set command class structs */
typedef struct _ZW_NODE_NAMING_NODE_NAME_SET_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
                                         /* The command */
   BYTE
            cmd;
                                         /* masked byte */
   BYTE
            level;
                                         /* MSB */
   BYTE
            nodeNameChar1;
   BYTE
            nodeNameChar2;
   BYTE
            nodeNameChar3;
   RYTE
            nodeNameChar4;
            nodeNameChar5;
   BYTE
   BYTE
            nodeNameChar6;
```

```
nodeNameChar7;
          nodeNameChar8;
   BYTE
  BYTE
          nodeNameChar9;
  BYTE
         nodeNameChar10;
  BYTE
          nodeNameChar11;
        nodeNameChar11;
nodeNameChar13;
nodeNameChar14;
nodeNameChar15;
  BYTE
  BYTE
   BYTE
  BYTE
                                  /* LSB */
  BYTE
          nodeNameChar16;
} ZW_NODE_NAMING_NODE_NAME_SET_FRAME;
typedef struct _ZW_POWERLEVEL_GET_FRAME_
         cmdClass;
cmd;
                                  /* The command class */
} ZW_POWERLEVEL_GET_FRAME;
typedef struct _ZW_POWERLEVEL_REPORT_FRAME_
                                  /\!\!\!\!\!^{\star} The command class */ /\!\!\!\!\!\!^{\star} The command */
  BYTE
          cmdClass;
        cmd;
powerLevel;
   BYTE
  BYTE
           timeout;
} ZW_POWERLEVEL_REPORT_FRAME;
typedef struct _ZW_POWERLEVEL_SET_FRAME_
         cmdClass;
cmd;
  BYTE
                                  /* The command class */
                                  /* The command */
  BYTE
       powerLevel;
  BYTE
  BYTE
          timeout;
} ZW_POWERLEVEL_SET_FRAME;
typedef struct _ZW_POWERLEVEL_TEST_NODE_GET_FRAME_
         cmdClass;
                                  /* The command class */
                                 /* The command */
  BYTE
          cmd:
} ZW_POWERLEVEL_TEST_NODE_GET_FRAME;
^{\prime} /* Powerlevel Test Node Report command class structs */
typedef struct _ZW_POWERLEVEL_TEST_NODE_REPORT_FRAME_
                                  /* The command class */
  BYTE
          cmdClass;
         cmd;
testNodeid;
                                  /* The command */
  BYTE
                                  /**/
/**/
   BYTE
        statusOfOperation;
testFrameCount1;
  BYTE
                                  /* MSB */
  BYTE
                                  /* LSB */
          testFrameCount2;
  BYTE
} ZW_POWERLEVEL_TEST_NODE_REPORT_FRAME;
/************************
/* Powerlevel Test Node Set command class structs */
typedef struct _ZW_POWERLEVEL_TEST_NODE SET FRAME
         cmdClass;
cmd;
testNodeid;
   BYTE
                                  /\,^{\star} The command class ^{\star}/\,
                                   /* The command */
  BYTE
                                  /**/
  BYTE
        powerLevel;
testFrameCount1;
                                  /**/
   BYTE
                                  /* MSB */
          testFrameCount2;
                                  /* LSB */
  BYTE
} ZW_POWERLEVEL_TEST_NODE_SET_FRAME;
```

```
typedef struct _ZW_CMD_ENCAPSULATION_1BYTE_FRAME_
                                      /* The command class */
/* The command */
   BYTE
           cmdClass;
         cmd;
   BYTE
   BYTE
            data1;
} ZW CMD ENCAPSULATION 1BYTE FRAME;
/************************
/* Cmd Encapsulation 2byte command class structs */
typedef struct _ZW_CMD_ENCAPSULATION_2BYTE_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
          data1;
                                       /* MSB */
   BYTE
                                       /* LSB */
   BYTE
            data2;
} ZW CMD ENCAPSULATION 2BYTE FRAME;
/*************************/
/* Cmd Encapsulation 3byte command class structs */
typedef struct _ZW_CMD_ENCAPSULATION_3BYTE_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
   BYTE
           cmd;
                                       /* The command */
   BYTE
          data1;
                                       /* MSB */
   BYTE
           data2;
                                       /* LSB */
   BYTE
            data3:
} ZW_CMD_ENCAPSULATION_3BYTE_FRAME;
/* Cmd Encapsulation 4byte command class structs */
typedef struct _ZW_CMD_ENCAPSULATION_4BYTE_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
          data1;
data2;
                                       /* MSB */
   BYTE
   BYTE
          data3;
data4;
   BYTE
                                       /* LSB */
} ZW_CMD_ENCAPSULATION_4BYTE_FRAME;
/* Prepayment Balance Get command class structs */
typedef struct _ZW_PREPAYMENT_BALANCE_GET_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
         cmd;
           properties1;
                                      /* masked byte */
   BYTE
} ZW_PREPAYMENT_BALANCE_GET_FRAME;
/* Prepayment Balance Report command class structs */
typedef struct _ZW_PREPAYMENT_BALANCE_REPORT_FRAME_
           cmdClass;
                                       /* The command class */
   BYTE
                                       /* The command */
           cmd;
                                       /* masked byte */
   BYTE
           properties1;
                                       /* masked byte */
   BYTE
           properties2;
                                       /* MSB */
           balanceValue1;
   BYTE
           balanceValue2;
   BYTE
           balanceValue3;
   BYTE
           balanceValue4;
                                       /* LSB */
                                       /* masked byte */
   BYTE
           properties3;
                                       /* MSB */
   BYTE
           debt1:
   BYTE
           debt2;
   BYTE
           debt3;
           debt4;
                                      /* LSB */
/* masked byte */
   BYTE
           properties4;
                                       /* MSB */
   BYTE
           emerCredit1;
   BYTE
           emerCredit2;
           emerCredit3;
   BYTE
                                       /* LSB */
   BYTE
           emerCredit4;
   BYTE
          currency1;
                                       /* MSB */
          currency2;
currency3;
debtRecoveryPercentage;
   BYTE
                                       /* LSB */
   BYTE
   BYTE
} ZW_PREPAYMENT_BALANCE_REPORT_FRAME;
```

```
/************************
typedef struct _ZW_PREPAYMENT_SUPPORTED_GET_FRAME_
        cmdClass;
cmd;
                              /* The command class */
} ZW_PREPAYMENT_SUPPORTED_GET_FRAME;
/* Prepayment Supported Report command class structs */
typedef struct _ZW_PREPAYMENT_SUPPORTED_REPORT_FRAME_
      cmdClass;
cmd;
  BYTE
                              /* The command class */
         properties1;
                              /* The command */
  BYTE
                              /* masked byte */
} ZW_PREPAYMENT_SUPPORTED_REPORT_FRAME;
typedef struct _ZW_PROPRIETARY_GET_1BYTE_FRAME_
      cmdClass;
cmd;
data1;
  BYTE
                              /* The command class */
                              /* The command */
  BYTE
  BYTE
} ZW_PROPRIETARY_GET_1BYTE_FRAME;
/* Proprietary Get 2byte command class structs */
typedef struct _ZW_PROPRIETARY_GET_2BYTE_FRAME_
  BYTE
        cmdClass;
                              /* The command class */
       cmd;
data1;
                              /* The command */
  BYTE
                              /* MSB */
  BYTE
                              /* LSB */
  BYTE
         data2;
} ZW_PROPRIETARY_GET_2BYTE_FRAME;
/************************
/* Proprietary Get 3byte command class structs */
typedef struct _ZW_PROPRIETARY_GET_3BYTE_FRAME_
       cmdClass;
cmd;
data1;
data2;
data3;
                              /* The command class */
  BYTE
                              /* The command */
                              /* MSB */
  BYTE
  BYTE
                              /* LSB */
  BYTE
} ZW_PROPRIETARY_GET_3BYTE_FRAME;
/* Proprietary Get 4byte command class structs */
typedef struct _ZW_PROPRIETARY_GET_4BYTE_FRAME_
         cmdClass;
                              /* The command class */
                              /* The command */
  BYTE
        cmd;
data1;
                              /* MSB */
  BYTE
  BYTE
        data2;
  BYTE
        data3;
                              /* LSB */
  BYTE
         data4;
} ZW PROPRIETARY GET 4BYTE FRAME;
typedef struct _ZW_PROPRIETARY_REPORT_1BYTE_FRAME_
                              /* The command class */
  BYTE
        cmdClass;
                              /* The command */
       cmd;
data1;
  BYTE
  BYTE
} ZW_PROPRIETARY_REPORT_1BYTE_FRAME;
typedef struct _ZW_PROPRIETARY_REPORT_2BYTE_FRAME_
```

BYTE

```
cmdClass;
                                 /* The command class */
  BYTE
         cmd;
                                 /* The command */
                                 /* MSB */
  BYTE
          data1;
                                 /* LSB */
  BYTE
          data2;
} ZW_PROPRIETARY_REPORT_2BYTE_FRAME;
typedef struct _ZW_PROPRIETARY_REPORT_3BYTE_FRAME_
                                 /* The command class */
         cmdClass;
                                 /* The command */
         cmd;
                                 /* MSB */
  BYTE
         data1;
  BYTE
          data2;
                                 /* LSB */
  BYTE
          data3:
} ZW PROPRIETARY REPORT 3BYTE FRAME;
typedef struct _ZW_PROPRIETARY_REPORT_4BYTE_FRAME_
  BYTE
         cmdClass;
                                 /* The command class */
  BYTE
          cmd;
                                 /* The command */
  BYTE
         data1;
                                 /* MSB */
  BYTE
         data2;
        data3;
data4;
  BYTE
                                 /* LSB */
} ZW_PROPRIETARY_REPORT_4BYTE_FRAME;
/* Proprietary Set 1byte command class structs */
typedef struct _ZW_PROPRIETARY_SET_1BYTE_FRAME_
                                 /* The command class */
  BYTE
         cmdClass;
        cmd;
data1;
                                 /* The command */
  BYTE
  BYTE
} ZW_PROPRIETARY_SET_1BYTE_FRAME;
/* Proprietary Set 2byte command class structs */
typedef struct _ZW_PROPRIETARY_SET_2BYTE_FRAME_
  BYTE
         cmdClass;
                                 /* The command class */
                                 /* The command */
                                 /* MSB */
        data1;
  BYTE
                                 /* LSB */
  BYTE
          data2:
} ZW_PROPRIETARY_SET_2BYTE_FRAME;
typedef struct _ZW_PROPRIETARY_SET_3BYTE_FRAME_
  BYTE
         cmdClass;
                                 /* The command class */
                                 /* The command */
  BYTE
         cmd;
         data1;
  BYTE
                                 /* MSB */
         data2;
  BYTE
                                 /* LSB */
  BYTE
          data3;
} ZW_PROPRIETARY_SET_3BYTE_FRAME;
typedef struct _ZW_PROPRIETARY_SET_4BYTE_FRAME_
         cmdClass;
                                 /* The command class */
                                 /* The command */
         cmd;
         data1;
                                 /* MSB */
  BYTE
  BYTE
         data2;
  BYTE
         data3;
data4;
                                /* LSB */
  BYTE
} ZW_PROPRIETARY_SET_4BYTE_FRAME;
/* Protection Get command class structs */
typedef struct _ZW_PROTECTION_GET_FRAME_
```

```
cmdClass;
cmd;
  BYTE
                                  /* The command class */
                                  /* The command */
  BYTE
} ZW_PROTECTION_GET_FRAME;
/* Protection Report command class structs */
typedef struct _ZW_PROTECTION_REPORT_FRAME_
                                  /* The command class */
/* The command */
  BYTE
          cmdClass;
  BYTE
       cmd;
          protectionState;
} ZW_PROTECTION_REPORT_FRAME;
  /* Protection Set command class structs */
typedef struct _ZW_PROTECTION_SET_FRAME_
       cmdClass;
cmd;
prof
                                  /* The command class */
  BYTE
                                  /* The command */
  BYTE
          protectionState;
  BYTE
} ZW_PROTECTION_SET_FRAME;
/* Protection Ec Get V2 command class structs */
typedef struct _ZW_PROTECTION_EC_GET_V2_FRAME_
        cmdClass;
  BYTE
                                  /* The command class */
                                  /* The command */
  BYTE
          cmd;
} ZW_PROTECTION_EC_GET_V2_FRAME;
typedef struct _ZW_PROTECTION_EC_REPORT_V2_FRAME_
        cmdClass;
cmd;
nodeId;
  BYTE
                                  /* The command class */
                                  /* The command */
} ZW_PROTECTION_EC_REPORT_V2_FRAME;
typedef struct _ZW_PROTECTION_EC_SET_V2_FRAME_
       cmdClass;
cmd;
  BYTE
                                  /* The command class */
                                  /* The command */
  BYTE
  BYTE
} ZW_PROTECTION_EC_SET_V2_FRAME;
/* Protection Get V2 command class structs */
typedef struct _ZW_PROTECTION_GET_V2_FRAME_
  BYTE cmdClass;
                                  /* The command class */
                                  /* The command */
  BYTE
          cmd;
} ZW_PROTECTION_GET_V2_FRAME;
/* Protection Report V2 command class structs */
typedef struct _ZW_PROTECTION_REPORT_V2_FRAME_
       cmdClass;
cmd;
level;
level2;
  BYTE
                                  /* The command class */
                                  /* The command */
  BYTE
                                  /* masked byte */
                                  /* masked byte */
  BYTE
} ZW_PROTECTION_REPORT_V2_FRAME;
/************************
typedef struct _ZW_PROTECTION_SET_V2_FRAME_
       cmdClass;
cmd;
  BYTE
                                  /* The command class */
                                  /* The command */
  BYTE
```

```
level;
level2;
                                   /* masked byte */
                                   /* masked byte */
} ZW_PROTECTION_SET_V2_FRAME;
  /* Protection Supported Get V2 command class structs */
typedef struct _ZW_PROTECTION_SUPPORTED_GET_V2_FRAME_
         cmdClass;
                                   /* The command class */
  BYTE
                                   /* The command */
  BYTE
          cmd;
} ZW_PROTECTION_SUPPORTED_GET_V2_FRAME;
/* Protection Supported Report V2 command class structs */
typedef struct _ZW_PROTECTION_SUPPORTED_REPORT_V2_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
          cmd;
level;
localProtectionState1;
                                   /* The command */
/* masked byte */
   BYTE
   BYTE
                                   /* MSB */
   BYTE
        localProtectionState2;
rfProtectionState1;
rfProtectionState2;
                                   /* LSB */
   BYTE
                                  /* MSB */
                                   /* LSB */
} ZW_PROTECTION_SUPPORTED_REPORT_V2_FRAME;
  typedef struct _ZW_PROTECTION_TIMEOUT_GET_V2_FRAME_
       cmdClass;
                                   /* The command class */
   BYTE
                                   /* The command */
   BYTE
          cmd;
} ZW_PROTECTION_TIMEOUT_GET_V2_FRAME;
/* Protection Timeout Report V2 command class structs */
typedef struct _ZW_PROTECTION_TIMEOUT_REPORT_V2_FRAME
          cmdClass;
                                   /* The command class */
         cmd;
timeout;
                                   /* The command */
   BYTE
   BYTE
} ZW_PROTECTION_TIMEOUT_REPORT_V2_FRAME;
/* Protection Timeout Set V2 command class structs */
typedef struct _ZW_PROTECTION_TIMEOUT_SET_V2_FRAME_
          cmdClass;
                                   /* The command class */
   BYTE
        cmd;
timeout;
                                   /* The command */
   BYTE
} ZW_PROTECTION_TIMEOUT_SET_V2_FRAME;
typedef struct _ZW_RATE_TBL_REMOVE_1BYTE_FRAME_
       cmdClass;
cmd;
properties1;
rateParameterSetId1;
                                   /* The command class */
   BYTE
                                   /* The command */
   BYTE
                                   /* masked byte */
   BYTE
} ZW_RATE_TBL_REMOVE_1BYTE_FRAME;
/* Rate Tbl Remove 2byte command class structs */
typedef struct _ZW_RATE_TBL_REMOVE_2BYTE_FRAME_
                                   /* The command class */
   BYTE
          cmdClass;
       cmd;
properties1;
rateParameterSetId1;
rateParameterSetId2;
                                   /* The command */
   BYTE
                                  /* masked byte */
   BYTE
                                  /* MSB */
   BYTE
} ZW_RATE_TBL_REMOVE_2BYTE_FRAME;
/* Rate Tbl Remove 3byte command class structs */
```

```
typedef struct _ZW_RATE_TBL_REMOVE_3BYTE_FRAME_
          cmdClass;
cmd;
properties1;
rateParameterSetId1;
rateParameterSetId2;
rateParameterSetId3;
                                                      /* The command class */
    BYTE
                                                      /* The command */
    BYTE
                                                     /* masked byte */
/* MSB */
    BYTE
    BYTE
                                                     /* LSB */
    BYTE
                rateParameterSetId3;
} ZW_RATE_TBL_REMOVE_3BYTE_FRAME;
typedef struct _ZW_RATE_TBL_REMOVE_4BYTE_FRAME_
    cmdClass;
BYTE cmd;
BYTE properties1;
BYTE rateParameterSetId1;
BYTE rateParameterSetId2;
BYTE rateParameterSetId3;
BYTE rateParameterSetId3;
    BYTE
               cmdClass;
                                                      /* The command class */
                                                      /* The command */
                                                     /* masked byte */
                                                      /* MSB */
                                                     /* LSB */
} ZW_RATE_TBL_REMOVE_4BYTE_FRAME;
/* Rate Tbl Set 1byte command class structs */
typedef struct _ZW_RATE_TBL_SET_1BYTE_FRAME_
                                                      /* The command class */
/* The command */
    BYTE
                cmdClass;
    BYTE
                cmd;
                                                      /**/
               rateParameterSetId;
    BYTE
              raterarametersettu;
properties1;
rateCharacter1;
startHourLocalTime;
startMinuteLocalTime;
durationMinute1;
durationMinute2;
                                                      /* masked byte */
    BYTE
    BYTE
                                                     /**/
                                                     /**/
    BYTE
                                                     /* MSB */
/* LSB */
    BYTE
    BYTE
              properties2;
minConsumptionValue1;
minConsumptionValue2;
minConsumptionValue3;
                                                      /* masked byte */
    BYTE
                                                     /* MSB */
    BYTE
    BYTE
                                                     /* LSB */
    BYTE
                minConsumptionValue4;
              maxConsumptionValue1;
maxConsumptionValue2;
maxConsumptionValue3;
maxConsumptionValue4;
                                                      /* MSB */
    BYTE
    BYTE
    BYTE
                                                    /* LSB */
/* masked byte */
/* MSB */
    BYTE
            maxConsumptionVal
properties3;
maxDemandValue1;
maxDemandValue2;
maxDemandValue3;
maxDemandValue4;
dcpRateId;
    BYTE
    BYTE
    BYTE
    BYTE
                                                      /* LSB */
    BYTE
} ZW_RATE_TBL_SET_1BYTE_FRAME;
/* Rate Tbl Set 2byte command class structs */
typedef struct _ZW_RATE_TBL_SET_2BYTE_FRAME_
                cmdClass;
                                                      /* The command class */
    BYTE
                                                      /* The command */
    BYTE
                cmd;
               rateParameterSetId;
                                                      /**/
    BYTE
              rateParameterSetId;
properties1;
rateCharacter1;
rateCharacter2;
startHourLocalTime;
startMinuteLocalTime;
durationMinute1;
durationMinute2;
                                                      /* masked byte */
/* MSB */
/* LSB */
    BYTE
    BYTE
                                                      /**/
    BYTE
                                                     /**/
    BYTE
                                                     /* MSB */
    BYTE
                durationMinute2;
                                                      /* LSB */
              properties2;
minConsumptionValue1;
                                                      /* masked byte */
    BYTE
                                                      /* MSB */
    BYTE
                minConsumptionValue2;
minConsumptionValue3;
    BYTE
    BYTE
                                                      /* LSB */
/* MSB */
    BYTE
                minConsumptionValue4;
    BYTE
                maxConsumptionValue1;
    BYTE
                maxConsumptionValue2;
               maxConsumptionValue3;
maxConsumptionValue4;
    BYTE
                                                      /* LSB */
    BYTE
                                                      /* masked byte */
    BYTE
                properties3;
```

```
maxDemandValue1;
                                       /* MSB */
            maxDemandValue2;
   BYTE
   BYTE
            maxDemandValue3;
                                       /* LSB */
   BYTE
            maxDemandValue4;
   BYTE
            dcpRateId;
} ZW_RATE_TBL_SET_2BYTE_FRAME;
/************************
/* Rate Tbl Set 3byte command class structs */
typedef struct _ZW_RATE_TBL_SET_3BYTE_FRAME
                                       /* The command class */
/* The command */
   BYTE
           cmdClass;
   BYTE
   BYTE
            rateParameterSetId;
                                       /* masked byte */
           properties1;
rateCharacter1;
   BYTE
                                       /* MSB */
   BYTE
   BYTE
           rateCharacter2;
   BYTE
           rateCharacter3;
                                       /* LSB */
                                       /**/
/**/
   BYTE
           startHourLocalTime;
   BYTE
           startMinuteLocalTime;
                                       /* MSB */
           durationMinute1;
   BYTE
                                       /* LSB */
           durationMinute2;
   BYTE
                                       /* masked byte */
           properties2;
   BYTE
            minConsumptionValue1;
                                       /* MSB */
   BYTE
            minConsumptionValue2;
   BYTE
            minConsumptionValue3;
                                       /* LSB */
            minConsumptionValue4;
   BYTE
            maxConsumptionValue1;
                                       /* MSB */
   BYTE
   BYTE
            maxConsumptionValue2;
   BYTE
            maxConsumptionValue3;
                                       /* LSB */
   BYTE
            maxConsumptionValue4;
                                       /* masked byte */
   BYTE
           properties3;
maxDemandValue1;
                                       /* MSB */
   BYTE
            maxDemandValue2;
   BYTE
   BYTE
            maxDemandValue3;
   BYTE
            maxDemandValue4;
                                       /* LSB */
   BYTE
            dcpRateId;
} ZW_RATE_TBL_SET_3BYTE_FRAME;
typedef struct _ZW_RATE_TBL_SET_4BYTE_FRAME_
           cmdClass;
                                       /* The command class */
                                       /* The command */
           cmd;
                                       /**/
/* masked byte */
   BYTE
           rateParameterSetId;
   BYTE
           properties1;
                                       /* MSB */
           rateCharacter1;
   RYTE
   BYTE
           rateCharacter2;
           rateCharacter3;
   BYTE
           rateCharacter4;
                                       /* LSB */
                                       /**/
/**/
   BYTE
           startHourLocalTime;
   BYTE
           startMinuteLocalTime;
                                       /* MSB */
            durationMinute1;
   BYTE
                                       /* LSB */
   BYTE
            durationMinute2;
            properties2;
                                       /* masked byte */
   BYTE
   BYTE
            minConsumptionValue1;
   BYTE
            minConsumptionValue2;
   BYTE
            minConsumptionValue3;
                                       /* LSB */
            minConsumptionValue4;
   BYTE
                                       /* MSB */
   BYTE
            maxConsumptionValue1;
            maxConsumptionValue2;
   BYTE
            maxConsumptionValue3;
                                       /* LSB */
   BYTE
            maxConsumptionValue4;
                                       /* masked byte */
   BYTE
           properties3;
maxDemandValue1;
                                       /* MSB */
   BYTE
   BYTE
           maxDemandValue2;
   BYTE
           maxDemandValue3;
            maxDemandValue4;
                                       /* LSB */
/**/
   BYTE
            dcpRateId;
} ZW_RATE_TBL_SET_4BYTE_FRAME;
typedef struct _ZW_RATE_TBL_ACTIVE_RATE_GET_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
```

```
} ZW RATE TBL ACTIVE RATE GET FRAME;
typedef struct _ZW_RATE_TBL_ACTIVE_RATE_REPORT_FRAME_
                                        /* The command class */
/* The command */
   BYTE
            cmdClass;
         cmd;
rateParameterSetId;
   BYTE
   BYTE
} ZW_RATE_TBL_ACTIVE_RATE_REPORT_FRAME;
/* Rate Tbl Current Data Get command class structs */
typedef struct _ZW_RATE_TBL_CURRENT_DATA_GET_FRAME_
            cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
           cmd;
                                        /**/
/* MSB */
   BYTE
            rateParameterSetId;
         datasetRequested1;
datasetRequested2;
datasetRequested3;
   BYTE
   BYTE
                                        /* LSB */
   BYTE
} ZW_RATE_TBL_CURRENT_DATA_GET_FRAME;
/* Rate Tbl Current Data Report variant group structs */
typedef struct _VG_RATE_TBL_CURRENT_DATA_REPORT_VG_
            properties1;
   BYTE
                                        /* masked byte */
         properties1;
currentValue1;
currentValue2;
currentValue3;
currentValue3;
                                        /* MSB */
   BYTE
   BYTE
   BYTE
            currentValue4;
                                        /* LSB */
   BYTE
} VG_RATE_TBL_CURRENT_DATA_REPORT_VG;
typedef struct _ZW_RATE_TBL_CURRENT_DATA_REPORT_1BYTE_FRAME_
            cmdClass;
   BYTE
                                         /* The command class */
                                        /* The command */
   BYTE
            cmd;
                                        /**/
/**/
           reportsToFollow;
rateParameterSetId;
   BYTE
   BYTE
                                        /* MSB */
   BYTE
            dataset1;
   BYTE
            dataset2;
                                         /* LSB */
   BYTE
            dataset3;
                                         /* MSB */
   RYTE
            year1;
                                         /* LSB */
            year2;
month;
   BYTE
                                         /**/
   BYTE
                                         /**/
            day;
          hourLocalTime;
minuteLocalTime;
                                         /**/
   BYTE
                                         /**/
   BYTE
BYTE secondLocalTime; /**/
VG_RATE_TBL_CURRENT_DATA_REPORT_VG variantgroup1;
} ZW_RATE_TBL_CURRENT_DATA_REPORT_1BYTE_FRAME;
typedef struct _ZW_RATE_TBL_CURRENT_DATA_REPORT_2BYTE_FRAME_
            cmdClass;
   BYTE
                                        /* The command class */
                                         /* The command */
   BYTE
            cmd;
            reportsToFollow;
                                        /**/
/**/
   BYTE
   BYTE
            rateParameterSetId;
                                        /* MSB */
   BYTE
            dataset1;
   BYTE
            dataset2;
            dataset3;
                                         /* MSB */
   BYTE
            year1;
                                         /* LSB */
   BYTE
            year2;
   BYTE
            month;
                                         /**/
   BYTE
           day;
                                         /**/
   BYTE
            hourLocalTime;
           minuteLocalTime;
   BYTE
                                         /**/
BYTE secondLocalTime; /**/
VG_RATE_TBL_CURRENT_DATA_REPORT_VG variantgroup1;
VG_RATE_TBL_CURRENT_DATA_REPORT_VG variantgroup2;
} ZW_RATE_TBL_CURRENT_DATA_REPORT_2BYTE_FRAME;
                                                                /**/
/**/
```

```
/***********************
typedef struct _ZW_RATE_TBL_CURRENT_DATA_REPORT_3BYTE_FRAME_
            cmdClass;
                                           /* The command class */
    BYTE
            cmd;
                                          /* The command */
                                          /* Tr
/**/
/**/
            reportsToFollow;
   BYTE
   BYTE
             rateParameterSetId;
                                          /* MSB */
   BYTE
             dataset1;
   BYTE
            dataset2;
                                           /* LSB */
/* MSB */
/* LSB */
             dataset3;
            year1;
    BYTE
   BYTE
             year2;
                                           /**/
   BYTE
            month;
                                           /**/
   BYTE
            day;
hourLocalTime;
    BYTE
                                           /**/
                                           /**/
    BYTE
           minuteLocalTime;
             secondLocalTime;
VG_RATE_TBL_CURRENT_DATA_REPORT_VG variantgroup1;
VG_RATE_TBL_CURRENT_DATA_REPORT_VG variantgroup2;
VG_RATE_TBL_CURRENT_DATA_REPORT_VG variantgroup3;
} ZW_RATE_TBL_CURRENT_DATA_REPORT_3BYTE_FRAME;
typedef struct _ZW_RATE_TBL_CURRENT_DATA_REPORT_4BYTE_FRAME_
    BYTE
             cmdClass;
                                           /* The command class */
                                          /* The command */
   BYTE
             cmd;
                                          /**/
/**/
            reportsToFollow;
   BYTE
             rateParameterSetId;
   BYTE
            dataset1;
                                           /* MSB */
    BYTE
    BYTE
            dataset2;
                                           /* LSB */
   BYTE
             dataset3;
                                           /* MSB */
            year1;
    BYTE
                                           /* LSB */
    RYTE
             year2;
                                           /**/
    BYTE
            month;
           day;
                                           /**/
    BYTE
            hourLocalTime;
                                           /**/
    BYTE
            minuteLocalTime;
   BYTE secondLocalTime; /**/
VG_RATE_TBL_CURRENT_DATA_REPORT_VG variantgroup1;
VG_RATE_TBL_CURRENT_DATA_REPORT_VG variantgroup2;
VG_RATE_TBL_CURRENT_DATA_REPORT_VG variantgroup3;
VG_RATE_TBL_CURRENT_DATA_REPORT_VG variantgroup4;
} ZW_RATE_TBL_CURRENT_DATA_REPORT_4BYTE_FRAME;
typedef struct _ZW_RATE_TBL_GET_FRAME_
                                          /* The command class */
    BYTE
             cmdClass;
          cmd;
                                          /* The command */
   BYTE
             rateParameterSetId;
   BYTE
} ZW_RATE_TBL_GET_FRAME;
typedef struct _ZW_RATE_TBL_HISTORICAL_DATA_GET_FRAME_
    BYTE
            cmdClass;
                                          /* The command class */
                                          /* The command */
    BYTE
             cmd;
            maximumReports;
   BYTE
                                           /**/
    BYTE
             rateParameterSetId;
                                          /* MSB */
   BYTE
             datasetRequested1;
             datasetRequested2;
                                           /* LSB */
    BYTE
            datasetRequested3;
                                           /* MSB */
   BYTE
             startYear1;
                                           /* LSB */
             startYear2;
    BYTE
            startMonth;
                                           /**/
   BYTE
                                           /**/
    BYTE
             startDay;
                                           /**/
/**/
             startHourLocalTime;
    BYTE
    BYTE
             startMinuteLocalTime;
                                           /**/
    RYTE
            startSecondLocalTime;
                                           /* MSB */
    BYTE
             stopYear1;
    BYTE
             stopYear2;
                                           /* LSB */
```

```
stopMonth;
   BYTE
                                         /**/
            stopDay;
   BYTE
            stopHourLocalTime;
           stopMinuteLocalTime;
   BYTE
             stopSecondLocalTime;
} ZW_RATE_TBL_HISTORICAL_DATA_GET_FRAME;
/* Rate Tbl Historical Data Report variant group structs */
typedef struct _VG_RATE_TBL_HISTORICAL_DATA_REPORT_VG_
   BYTE
                                        /* masked byte */
            properties1;
          historicalValue1;
historicalValue2;
                                         /* MSB */
   BYTE
   BYTE
   BYTE
            historicalValue3;
            historicalValue4;
   BYTE
                                        /* LSB */
} VG_RATE_TBL_HISTORICAL_DATA_REPORT_VG;
typedef struct _ZW_RATE_TBL_HISTORICAL_DATA_REPORT_1BYTE_FRAME_
                                        /* The command class */
/* The command */
/**/
   BYTE
            cmdClass;
   BYTE
            cmd;
            reportsToFollow;
   BYTE
            rateParameterSetId;
   BYTE
   BYTE
            dataset1;
                                         /* MSB */
   BYTE
            dataset2;
                                         /* LSB */
   BYTE
            dataset3;
                                         /* MSB */
   BYTE
            year1;
                                         /* LSB */
   BYTE
            year2;
                                         /**/
            month;
   BYTE
            day;
                                         /**/
   BYTE
           hourLocalTime;
   BYTE
                                         /**/
   BYTE
            minuteLocalTime;
   BYTE secondLocalTime; /**/
VG_RATE_TBL_HISTORICAL_DATA_REPORT_VG variantgroupl;
                                         /**/
} ZW_RATE_TBL_HISTORICAL_DATA_REPORT_1BYTE_FRAME;
typedef struct _ZW_RATE_TBL_HISTORICAL_DATA_REPORT_2BYTE_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
                                         /* The command */
/**/
/**/
   BYTE
   BYTE
            reportsToFollow;
   RYTE
            rateParameterSetId;
                                         /* MSB */
   BYTE
            dataset1;
   BYTE
            dataset2;
            dataset3;
                                         /* LSB */
                                         /* MSB */
   BYTE
            year1;
                                         /* LSB */
   BYTE
            year2;
                                         /**/
   BYTE
            month;
                                         /**/
   BYTE
            day;
            hourLocalTime;
   BYTE
            minuteLocalTime;
             secondLocalTime;
VG_RATE_TBL_HISTORICAL_DATA_REPORT_VG_variantgroup1;
VG_RATE_TBL_HISTORICAL_DATA_REPORT_VG_variantgroup2;
} ZW_RATE_TBL_HISTORICAL_DATA_REPORT_2BYTE_FRAME;
/* Rate Tbl Historical Data Report 3byte command class structs */
typedef struct _ZW_RATE_TBL_HISTORICAL_DATA_REPORT_3BYTE_FRAME_
                                         /* The command class */
            cmdClass;
                                         /* The command */
                                         /**/
/**/
            reportsToFollow;
   BYTE
   BYTE
            rateParameterSetId;
                                         /* MSB */
   BYTE
            dataset1;
            dataset2;
   BYTE
                                         /* LSB */
   BYTE
            dataset3;
                                         /* MSB */
/* LSB */
   BYTE
            year1;
   BYTE
            year2;
   RYTE
            month;
   BYTE
            day;
            hourLocalTime;
```

```
minuteLocalTime;
               secondLocalTime;
                                               /**/
    VG_RATE_TBL_HISTORICAL_DATA_REPORT_VG_variantgroup1;
VG_RATE_TBL_HISTORICAL_DATA_REPORT_VG_variantgroup2;
VG_RATE_TBL_HISTORICAL_DATA_REPORT_VG_variantgroup3;
} ZW_RATE_TBL_HISTORICAL_DATA_REPORT_3BYTE_FRAME;
/*************************
/* Rate Tbl Historical Data Report 4byte command class structs */
typedef struct _ZW_RATE_TBL_HISTORICAL_DATA_REPORT_4BYTE FRAME
                                               /* The command class */
/* The command */
    BYTE
              cmdClass;
    BYTE
              cmd;
                                              /**/
/**/
    BYTE
              reportsToFollow;
              rateParameterSetId;
dataset1;
    BYTE
    BYTE
                                               /* MSB */
    BYTE
              dataset2;
                                               /* LSB */
    BYTE
              dataset3;
                                               /* MSB */
/* LSB */
    BYTE
              year1;
    BYTE
              year2;
                                               /**/
    BYTE
              month;
                                               /**/
              day;
    BYTE
              hourLocalTime;
                                               /**/
              minuteLocalTime;
                                               /**/
              secondLocalTime;
    VG_RATE_TBL_HISTORICAL_DATA_REPORT_VG_variantgroup1;
VG_RATE_TBL_HISTORICAL_DATA_REPORT_VG_variantgroup2;
VG_RATE_TBL_HISTORICAL_DATA_REPORT_VG_variantgroup3;
VG_RATE_TBL_HISTORICAL_DATA_REPORT_VG_variantgroup4;
} ZW_RATE_TBL_HISTORICAL_DATA_REPORT_4BYTE_FRAME;
/* Rate Tbl Report 1byte command class structs */
typedef struct _ZW_RATE_TBL_REPORT_1BYTE_FRAME_
                                              /* The command class */
/* The command */
    BYTE
              cmdClass;
    BYTE
              cmd;
                                               /**/
              rateParameterSetId;
    BYTE
              properties1;
                                               /* masked byte */
              rateCharacter1;
                                               /**/
    BYTE
               startHourLocalTime;
                                              /**/
    BYTE
              \verb|startMinuteLocalTime|;
              durationMinute1;
durationMinute2;
                                              /* MSB */
    BYTE
                                               /* LSB */
    BYTE
                                               /* masked byte */
    BYTE
              properties2;
              minConsumptionValue1;
    BYTE
                                              /* MSB */
    BYTE
              minConsumptionValue2;
    RYTE
              \verb|minConsumptionValue3|; \\
                                              /* LSB */
    BYTE
              minConsumptionValue4;
              maxConsumptionValue1;
                                              /* MSB */
    BYTE
              maxConsumptionValue2;
    BYTE
              maxConsumptionValue3;
                                              /* LSB */
    BYTE
              maxConsumptionValue4;
                                              /* masked byte */
    BYTE
              properties3;
                                               /* MSB */
              maxDemandValue1;
    BYTE
              maxDemandValue2;
    BYTE
    BYTE
              maxDemandValue3;
    BYTE
              maxDemandValue4;
                                               /* LSB */
    BYTE
              dcpRateId;
} ZW_RATE_TBL_REPORT_1BYTE_FRAME;
typedef struct _ZW_RATE_TBL_REPORT_2BYTE_FRAME_
    BYTE
              cmdClass;
                                               /* The command class */
                                               /* The command */
    BYTE
              cmd;
                                               /**/
              rateParameterSetId;
                                               /* masked byte */
/* MSB */
              properties1;
    BYTE
    BYTE
              rateCharacter1;
                                               /* LSB */
              rateCharacter2;
    BYTE
              startHourLocalTime;
                                               /**/
    BYTE
                                               /**/
    BYTE
              startMinuteLocalTime;
              durationMinute1;
                                               /* MSB */
/* LSB */
    BYTE
    BYTE
              durationMinute2;
                                               /* masked byte */
    RYTE
              properties2;
                                               /* MSB */
              minConsumptionValue1;
    BYTE
              minConsumptionValue2;
    BYTE
```

```
minConsumptionValue3;
             minConsumptionValue4;
                                           /* LSB */
                                           /* MSB */
   BYTE
             maxConsumptionValue1;
   BYTE
             maxConsumptionValue2;
             maxConsumptionValue3;
   BYTE
                                          /* LSB */
/* masked byte */
             maxConsumptionValue4;
   BYTE
   BYTE
            properties3;
                                           /* MSB */
   BYTE
             maxDemandValue1;
   BYTE
             maxDemandValue2;
   BYTE
             maxDemandValue3;
          maxDemandValue4;
                                           /* LSB */
   BYTE
   BYTE
             dcpRateId;
} ZW_RATE_TBL_REPORT_2BYTE_FRAME;
typedef struct _ZW_RATE_TBL_REPORT_3BYTE_FRAME_
   BYTE
             cmdClass;
                                           /\,^{\star} The command class ^{\star}/\,
                                           /* The command */
           cmd;
rateParameterSetId;
   BYTE
   BYTE
           properties1;
rateCharacter1;
                                           /* masked byte */
   BYTE
   BYTE
            rateCharacter2;
   BYTE
            rateCharacter3;
                                           /* LSB */
                                           /**/
/**/
   BYTE
             startHourLocalTime;
            startMinuteLocalTime;
   BYTE
            durationMinute1;
                                           /* MSB */
   BYTE
                                          /* LSB */
/* masked byte */
/* MSB */
            durationMinute2;
   BYTE
           properties2;
minConsumptionValue1;
   BYTE
   BYTE
   BYTE
            minConsumptionValue2;
             minConsumptionValue3;
   BYTE
                                           /* LSB */
/* MSB */
             minConsumptionValue4;
   BYTE
             maxConsumptionValue1;
   BYTE
             maxConsumptionValue2;
   BYTE
             maxConsumptionValue3;
                                           /* LSB */
   BYTE
           properties3;
             maxConsumptionValue4;
                                           /* masked byte */
   BYTE
                                           /* MSB */
             maxDemandValue1;
   BYTE
             maxDemandValue2;
   BYTE
             maxDemandValue3;
                                           /* LSB */
   BYTE
             maxDemandValue4;
BYTE dcpRateId;
} ZW_RATE_TBL_REPORT_3BYTE_FRAME;
/* Rate Tbl Report 4byte command class structs */
typedef struct _ZW_RATE_TBL_REPORT_4BYTE_FRAME_
                                           /* The command class */
             cmdClass;
                                           /* The command */
                                           /**/
   BYTE
            rateParameterSetId;
                                           /* masked byte */
   BYTE
            properties1;
                                           /* MSB */
            rateCharacter1;
   BYTE
            rateCharacter2;
   BYTE
   BYTE
            rateCharacter3;
   BYTE
             rateCharacter4;
                                           /* LSB */
                                           /**/
/**/
   BYTE
             startHourLocalTime;
             startMinuteLocalTime;
   BYTE
            durationMinute1;
                                           /* MSB */
   BYTE
                                           /* LSB */
             durationMinute2;
   BYTE
                                          /* masked byte */
/* MSB */
             properties2;
   BYTE
             minConsumptionValue1;
   BYTE
             minConsumptionValue2;
             minConsumptionValue3;
   BYTE
                                           /* LSB */
   BYTE
             minConsumptionValue4;
                                           /* MSB */
   BYTE
             maxConsumptionValue1;
             maxConsumptionValue2;
   BYTE
             maxConsumptionValue3;
                                           /* LSB */
   BYTE
             maxConsumptionValue4;
                                           /* masked byte */
   BYTE
             properties3;
                                           /* MSB */
             maxDemandValue1;
   BYTE
   BYTE
             maxDemandValue2;
   BYTE
             maxDemandValue3;
                                           /* LSB */
/**/
   BYTE
             maxDemandValue4;
BYTE dcpRateId;
} ZW_RATE_TBL_REPORT_4BYTE_FRAME;
```

```
/* Rate Tbl Supported Get command class structs */
typedef struct _ZW_RATE_TBL_SUPPORTED_GET_FRAME_
                 cmdClass;
cmd;
      BYTE
                                                                          /* The command class */
                                                                          /* The command */
      BYTE
} ZW_RATE_TBL_SUPPORTED_GET_FRAME;
typedef struct _ZW_RATE_TBL_SUPPORTED_REPORT_FRAME_
      BYTE cmd; /* The cc
BYTE ratesSupported; /**/
BYTE parameterSetSupportedBitMaskl;/* MSB */
BYTE parameterSetSupportedBitMaskl;/* MSB */
                                                                            /* The command class */
                                                                           /* The command */
} ZW_RATE_TBL_SUPPORTED_REPORT_FRAME;
typedef struct _ZW_REMOTE_ASSOCIATION_ACTIVATE_FRAME_
                                                                           /* The command class */
      BYTE
                      cmdClass;
                                                                           /* The command */
                cmd;
      BYTE
                       groupingIdentifier;
} ZW_REMOTE_ASSOCIATION_ACTIVATE_FRAME;
typedef struct _ZW_REMOTE_ASSOCIATION_CONFIGURATION_GET_FRAME
      BYTE cmdClass;
BYTE cmd;
localGroupingIdentifier;
                                                                           /* The command class */
                                                                        /* The command */
} ZW_REMOTE_ASSOCIATION_CONFIGURATION_GET_FRAME;
typedef struct _ZW_REMOTE_ASSOCIATION_CONFIGURATION_REPORT_FRAME_
     BYTE cmdClass; /* In the state of the state 
                                                                           /* The command class */
                                                                          /* The command */
} ZW REMOTE_ASSOCIATION_CONFIGURATION_REPORT_FRAME;
typedef struct _ZW_REMOTE_ASSOCIATION_CONFIGURATION_SET_FRAME
                 cmd;
cmd;
localGroupingIdentifier;
remoteNodeid;
                      cmdClass;
                                                                           /* The command class */
                                                                           /* The command */
/* The command */
      BYTE
      BYTE
                                                                          /**/
      BYTE
                       remoteGroupingIdentifier;
      BYTE
} ZW_REMOTE_ASSOCIATION_CONFIGURATION_SET_FRAME;
/* Scene Activation Set command class structs */
typedef struct _ZW_SCENE_ACTIVATION_SET FRAME
                 cmdClass;
cmd;
sceneId;
dimmingDuration;
      BYTE
                                                                            /* The command class */
                                                                            /* The command */
      BYTE
      BYTE
      BYTE
} ZW_SCENE_ACTIVATION_SET_FRAME;
/********************
/* Scene Actuator Conf Get command class structs */
typedef struct _ZW_SCENE_ACTUATOR_CONF_GET_FRAME_
```

```
cmdClass;
                                       /* The command class */
          cmd;
                                       /* The command */
   BYTE
   BYTE
            sceneId;
} ZW_SCENE_ACTUATOR_CONF_GET_FRAME;
/* Scene Actuator Conf Report command class structs */
typedef struct _ZW_SCENE_ACTUATOR_CONF_REPORT_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
          sceneId;
level;
                                      /**/
                                       /**/
   BYTE
   BYTE
           dimmingDuration;
} ZW_SCENE_ACTUATOR_CONF_REPORT_FRAME;
/* Scene Actuator Conf Set command class structs */
/***********************
typedef struct _ZW_SCENE_ACTUATOR_CONF_SET_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
           cmd;
                                      /**/
/**/
   BYTE
           sceneId;
   BYTE
           dimmingDuration;
                                       /* masked byte */
   BYTE
           level2;
   BYTE
            level:
} ZW_SCENE_ACTUATOR_CONF_SET_FRAME;
/* Scene Controller Conf Get command class structs */
typedef struct _ZW_SCENE_CONTROLLER_CONF_GET_FRAME_
   BYTE
            cmdClass;
   BYTE
                                      /* The command */
            cmd;
   BYTE
            groupId;
} ZW_SCENE_CONTROLLER_CONF_GET_FRAME;
/************************
^{\prime} /* Scene Controller Conf Report command class structs */
typedef struct _ZW_SCENE_CONTROLLER_CONF_REPORT_FRAME_
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
   BYTE
           groupId;
                                       /**/
                                       /**/
   BYTE
            sceneId;
   BYTE
           dimmingDuration;
} ZW_SCENE_CONTROLLER_CONF_REPORT_FRAME;
/* Scene Controller Conf Set command class structs */
typedef struct _ZW_SCENE_CONTROLLER_CONF_SET_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
   BYTE
           cmd;
                                      /* The command */
                                       /**/
   BYTE
           groupId;
   BYTE
            sceneId;
           dimmingDuration;
   BYTE
} ZW_SCENE_CONTROLLER_CONF_SET_FRAME;
/* Schedule Entry Lock Enable All Set command class structs */
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_ENABLE_ALL_SET_FRAME_
           cmdClass;
                                       /* The command class */
                                       /* The command */
           cmd;
   BYTE
            enabled;
} ZW_SCHEDULE_ENTRY_LOCK_ENABLE_ALL_SET_FRAME;
/***********************
/* Schedule Entry Lock Enable Set command class structs */
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_ENABLE_SET_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                      /* The command */
   BYTE
           cmd;
```

```
userIdentifier;
enabled;
} ZW_SCHEDULE_ENTRY_LOCK_ENABLE_SET_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET_FRAME_
        cmdClass;
cmd;
userIdentifier;
scheduleSlotId:
                                          /* The command class */
   BYTE
                                          /* The command */
   BYTE
   BYTE
             scheduleSlotId;
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET_FRAME;
  typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_FRAME_
                                          /* The command class */
/* The command */
           cmdClass;
   BYTE
   BYTE userIdentifier;
BYTE scheduleSlotId;
BYTE dayOfWeek;
BYTE startHour;
BYTE startMinute;
BYTE stopMour;
BYTE stopMinute;
   BYTE
            cmd;
                                          /**/
                                          /**/
                                          /**/
                                          /**/
             stopMinute;
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE setAction;
BYTE userIdentifier;
BYTE scheduleSlotId;
BYTE dayOfWeek;
BYTE startHour;
BYTE startMinute;
BYTE stopMinute;
BYTE stopMinute;
                                          /* The command class */
                                          /* The command */
                                          /**/
                                          /**/
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_FRAME
        cmdClass;
cmd;
userIdentifier;
scheduleSlotId;
                                          /* The command class */
   BYTE
                                          /* The command */
   BYTE
   BYTE
   BYTE
             scheduleSlotId:
} ZW SCHEDULE ENTRY LOCK YEAR DAY GET FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_FRAME_
           cmdClass;
   BYTE
                                          /* The command class */
                                          /* The command */
   BYTE
            cmd;
           cmd;
userIdentifier;
scheduleSlotId;
startYear;
startMonth;
                                          /**/
   BYTE
   BYTE
                                          /**/
   BYTE
   BYTE
         startMonth;
startDay;
startHour;
startMinute;
stopYear;
stopMonth;
stopDay;
stopHour;
stopMinute;
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
             stopMinute;
} ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_FRAME;
```

```
/* Schedule Entry Lock Year Day Set command class structs */
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_FRAME_
                                    /* The command class */
   BYTE
           cmdClass;
                                    /* The command */
   BYTE
          cmd;
                                    /**/
          setAction;
                                    /**/
/**/
/**/
          userIdentifier;
          scheduleSlotId;
   BYTE
          startYear;
startMonth;
startDay;
   BYTE
   BYTE
   BYTE
        startDay;
startHour;
startMinute;
stopYear;
stopMonth;
stopDay;
stopHour;
stopMinute;
                                    /**/
/**/
/**/
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
           stopMinute;
   BYTE
} ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_FRAME_
        cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
           cmd:
} ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_REPORT_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
   BYTE
                                    /* The command */
          cmd;
                                   /**/
        numberOfSlotsWeekDay;
   BYTE
   BYTE
           numberOfSlotsYearDay;
} ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_REPORT_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_ENABLE_ALL_SET_V2_FRAME_
        cmdClass;
   BYTE
                                    /* The command class */
                                    /* The command */
   BYTE
           enabled;
} ZW_SCHEDULE_ENTRY_LOCK_ENABLE_ALL_SET_V2_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_ENABLE_SET_V2_FRAME_
       cmdClass;
cmd;
userIdentifier;
enabled;
                                    /* The command class */
   BYTE
                                    /* The command */
   BYTE
   BYTE
   BYTE
} ZW_SCHEDULE_ENTRY_LOCK_ENABLE_SET_V2_FRAME;
/* Schedule Entry Lock Time Offset Get V2 command class structs */
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_TIME_OFFSET_GET_V2_FRAME_
        cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
           cmd;
} ZW_SCHEDULE_ENTRY_LOCK_TIME_OFFSET_GET_V2_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_V2_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
          cmd;
level;
minuteTzo;
                                    /* The command */
   BYTE
                                    /* masked byte */
   BYTE
   BYTE
           level2;
                                    /* masked byte */
```

```
} ZW SCHEDULE ENTRY LOCK TIME OFFSET REPORT V2 FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_V2_FRAME_
   BYTE
             cmdClass;
                                            /* The command class */
         cmd:
cmd;
level;
minuteTzo;
                                            /* The command */
   BYTE
                                            /* masked byte */
   BYTE
   BYTE
                                            /* masked byte */
   BYTE
             level2;
} ZW SCHEDULE ENTRY LOCK TIME OFFSET SET V2 FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET_V2_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE userIdentifier;
BYTE scheduleSlotId:
                                            /* The command class */
                                            /* The command */
             scheduleSlotId;
   BYTE
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET_V2_FRAME;
/* Schedule Entry Lock Week Day Report V2 command class structs */
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_V2_FRAME_
   BYTE
            cmdClass;
                                            /* The command class */
                                            /* The command */
   BYTE
             cmd;
           userIdentifier;
                                            /**/
   BYTE
   BYTE scheduleSlotId;
BYTE dayOfWeek;
BYTE startHour;
BYTE startMinute;
BYTE stopHour;
BYTE stopMinute:
                                            /**/
                                            /**/
                                            /**/
                                            /**/
             stopMinute;
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_V2_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_V2_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE setAction;
BYTE userIdentifier;
BYTE scheduleSlotId;
BYTE dayOfWeek;
BYTE startHour;
BYTE startMinute;
BYTE stopHour;
BYTE stopMinute;
                                            /* The command class */
                                            /* The command */
                                            /**/
/**/
                                            /**/
                                            /**/
                                            /**/
   BYTE
             stopMinute;
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_V2_FRAME;
/* Schedule Entry Lock Year Day Get V2 command class structs */
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_V2_FRAME_
         cmdClass;
cmd;
userIdentifier;
scheduloSlatz;
   BYTE
                                           /* The command class */
                                            /* The command */
   BYTE
                                            /**/
   BYTE
             scheduleSlotId;
} ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_V2_FRAME;
/* Schedule Entry Lock Year Day Report V2 command class structs */
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_V2_FRAME_
          cmdClass;
                                            /* The command class */
   BYTE
           cmd;
userIdentifier;
                                            /* The command */
   BYTE
                                            /**/
/**/
   BYTE
            scheduleSlotId;
startYear;
startMonth;
   BYTE
   BYTE
   BYTE
   BYTE
             startDay;
```

```
startHour;
            startMinute;
                                          /**/
                                         /
/**/
   BYTE
            stopYear;
                                          /**/
   BYTE
           stopMonth;
            stopDay;
   BYTE
           stopHour;
   BYTE
   BYTE
            stopMinute;
} ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_V2_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_V2_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
                                         /* The command */
           cmd;
   BYTE
            setAction;
   BYTE
                                         /**/
/**/
           userIdentifier;
scheduleSlotId;
   BYTE
        scheduleSlotI
startYear;
startMonth;
startDay;
startHour;
startMinute;
stopYear;
stopMonth;
stopDay;
stopHour;
stopHour;
stopMinute;
                                         /**/
/**/
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
            stopMinute;
} ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_V2_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_V2_FRAME
          cmdClass;
                                         /* The command class */
                                         /* The command */
   BYTE
            cmd;
} ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_V2_FRAME;
/* Schedule Entry Type Supported Report V2 command class structs */
typedef struct _ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_REPORT_V2_FRAME_
            cmdClass;
                                         /* The command class */
         cmd;
numberOfSlotsWeekDay;
                                         /* The command */
   BYTE
                                         /**/
   BYTE
            numberOfSlotsYearDay;
} ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_REPORT_V2_FRAME;
/* Schedule Entry Lock Enable All Set V3 command class structs */
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_ENABLE_ALL_SET_V3_FRAME
        cmdClass;
cmd;
emable;
   BYTE
                                         /* The command class */
                                         /* The command */
   BYTE
             enabled;
} ZW_SCHEDULE_ENTRY_LOCK_ENABLE_ALL_SET_V3_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_ENABLE_SET_V3_FRAME_
                                         /* The command class */
/* The command */
            cmdClass;
   BYTE
   BYTE
            cmd:
         userIdentifier;
   BYTE
            enabled;
} ZW_SCHEDULE_ENTRY_LOCK_ENABLE_SET_V3_FRAME;
// Schedule Entry Lock Time Offset Get V3 command class structs */
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_TIME_OFFSET_GET_V3_FRAME
          cmdClass;
   BYTE
                                         /* The command */
   BYTE
            cmd:
} ZW SCHEDULE_ENTRY_LOCK_TIME_OFFSET_GET_V3_FRAME;
```

```
/* Schedule Entry Lock Time Offset Report V3 command class structs */
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_V3_FRAME_
        cmdClass;
cmd;
level;
minuteTzo;
level2;
                                      /* The command class */
   BYTE
                                      /* The command */
   BYTE
   BYTE
                                       /* masked byte */
                                      /**/
   BYTE
                                      /* masked byte */
   BYTE
           leve12:
} ZW_SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_V3_FRAME;
/* Schedule Entry Lock Time Offset Set V3 command class structs */
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_V3_FRAME_
         cmdClass;
cmd;
level;
minuteTzo;
                                      /* The command class */
                                      /* The command */
   BYTE
   BYTE
                                      /* masked byte */
                                      /**/
   BYTE
                                       /* masked byte */
   BYTE
           level2;
} ZW_SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_V3_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET_V3_FRAME
         cmdClass;
cmd;
userIdentifier;
scheduleSlotId.
                                      /* The command class */
   BYTE
                                      /* The command */
   BYTE
   BYTE
   BYTE
           scheduleSlotId;
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET_V3_FRAME;
/\star Schedule Entry Lock Week Day Report V3 command class structs \star/
/***********************
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_V3_FRAME_
         cmdClass;
                                      /* The command class */
          cmd;
userIdentifier;
                                      /* The command */
                                      /* */
/**/
   BYTE
   BYTE
           scheduleSlotId;
        dayOfWeek;
startHour;
startMinute;
stopHour;
                                      /**/
   BYTE
   BYTE
                                       /**/
   BYTE
                                      /**/
   BYTE
   BYTE
           stopMinute;
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_V3_FRAME;
/************************
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_V3_FRAME_
          cmdClass;
cmd;
setAction;
                                      /* The command class */
   BYTE
                                      /* The command */
   BYTE
                                      /**/
/**/
/**/
   BYTE
   BYTE
          userIdentifier;
         scheduleSlotId;
dayOfWeek;
startHour;
startMinute;
stopHour;
stopMinute;
   BYTE
                                      /**/
   BYTE
   BYTE
                                       /**/
   BYTE
                                      /**/
   BYTE
           stopMinute;
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_V3_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_V3_FRAME_
       cmdClass;
cmd;
userIdentifier;
scheduleSlotId;
   BYTE
                                      /* The command class */
                                      /* The command */
   BYTE
   BYTE
                                      /**/
} ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_V3_FRAME;
/* Schedule Entry Lock Year Day Report V3 command class structs */
```

```
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_V3_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
                                         /* The command */
   BYTE
            cmd;
                                         /**/
            userIdentifier;
   BYTE
           scheduleSlotId;
                                         /**/
   BYTE
                                         /**/
/**/
/**/
            startYear;
   BYTE
           startMonth;
           startDay;
startHour;
   BYTE
   BYTE
   BYTE
            startMinute;
                                         /**/
/**/
            stopYear;
           stopMonth;
stopDay;
   BYTE
   BYTE
   BYTE
        stopHour;
            stopMinute;
   BYTE
} ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_V3_FRAME;
/********************
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_V3_FRAME
   BYTE
            cmdClass;
                                        /* The command class */
                                        /* The command */
/**/
   BYTE
            cmd;
   RYTE
            setAction;
           userIdentifier;
                                         /**/
   BYTE
            scheduleSlotId;
                                         /**/
   BYTE
                                         /**/
/**/
/**/
   BYTE
            startYear;
        startYear;
startMonth;
startDay;
startHour;
startMinute;
stopYear;
stopMonth;
stopDay;
stopHour;
stopMinute;
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
            stopMinute;
} ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_V3_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_V3_FRAME_
   BYTE cmdClass;
BYTE cmd;
                                        /* The command class */
                                         /* The command */
} ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_V3_FRAME;
/* Schedule Entry Type Supported Report V3 command class structs */
typedef struct _ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_REPORT_V3_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
   BYTE
           cmd;
numberOfSlotsWeekDay;
                                        /**/
   BYTE
        numberOfSlotsYearDay; /**/
numberOfSlotsDailyRepeating; /**/
} ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_REPORT_V3_FRAME;
/* Schedule Entry Lock Daily Repeating Get V3 command class structs */
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_GET_V3_FRAME_
         cmdClass;
                                         /* The command class */
   BYTE
        cmd;
userIdentifier;
                                         /* The command */
   BYTE
            scheduleSlotId;
                                         /**/
} ZW_SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_GET_V3_FRAME;
/* Schedule Entry Lock Daily Repeating Report V3 command class structs */
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_REPORT_V3_FRAME_
           cmdClass;
                                         /* The command class */
   BYTE
                                         /* The command */
   BYTE
            cmd;
           userIdentifier;
```

```
scheduleSlotId;
                                           /**/
/**/
/**/
            weekDayBitmask;
startHour;
   BYTE
         startMinute;
durationHour;
   BYTE
   BYTE
             durationMinute;
   BYTE
} ZW_SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_REPORT_V3_FRAME;
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_SET_V3_FRAME_
            cmdClass;
                                           /* The command class */
   BYTE cmdClass;
BYTE cmd;
BYTE setAction;
BYTE userIdentifier;
BYTE scheduleSlotId;
BYTE weekDayBitmask;
BYTE startHour;
BYTE durationHour;
BYTE durationMinute;
                                           /* The command */
/**/
                                           /**/
                                           /**/
/**/
                                           /**/
/**/
             durationMinute;
   BYTE
} ZW_SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_SET_V3_FRAME;
/* Screen Attributes Get command class structs */
typedef struct _ZW_SCREEN_ATTRIBUTES_GET_FRAME_
         cmdClass;
                                           /* The command class */
                                           /* The command */
   BYTE
             cmd;
} ZW_SCREEN_ATTRIBUTES_GET_FRAME;
/* Screen Attributes Report command class structs */
typedef struct _ZW_SCREEN_ATTRIBUTES_REPORT_FRAME_
   BYTE cmdClass;
BYTE cmd; /* The cc
BYTE properties1; /* masked
BYTE numberOfCharactersPerLine; /**/
BYTE sizeOfLineBuffer; /**/
BYTE numericalPresentationOfACharacter;/**/
                                           /* The command class */
                                           /* The command */
                                           /* masked byte */
} ZW_SCREEN_ATTRIBUTES_REPORT_FRAME;
/* Screen Attributes Get V2 command class structs */
typedef struct _ZW_SCREEN_ATTRIBUTES_GET_V2_FRAME_
   BYTE cmdClass; cmd;
                                           /* The command class */
                                           /* The command */
} ZW_SCREEN_ATTRIBUTES_GET_V2_FRAME;
/* Screen Attributes Report V2 command class structs */
typedef struct _ZW_SCREEN_ATTRIBUTES_REPORT_V2_FRAME_
            cmdClass;
                                           /* The command class */
   BYTE
                                           /* The command */
   BYTE
            cmd;
   BYTE cmd; /* The c
BYTE properties1; /* maske
BYTE numberOfCharactersPerLine; /**/
BYTE sizeOfLineBuffer; /**/
BYTE numericalPresentationOfACharacter;/**/
BYTE screenTimeout; /**/
                                           /* masked byte */
   BYTE
             screenTimeout:
} ZW_SCREEN_ATTRIBUTES_REPORT_V2_FRAME;
/* Screen Md Get command class structs */
typedef struct _ZW_SCREEN_MD_GET_FRAME_
         cmdClass;
cmd;
numberOfReports;
nodeId:
                                           /* The command class */
                                           /* The command */
/**/
   BYTE
   BYTE
             nodeId;
} ZW_SCREEN_MD_GET_FRAME;
```

```
/* Screen Md Report variant group structs */
typedef struct _VG_SCREEN_MD_REPORT_1BYTE_VG_
      properties1;
characterPosition;
numberOfCharacters;
character1;
   BYTE
                                  /* masked byte */
   BYTE
   BYTE
} VG_SCREEN_MD_REPORT_1BYTE_VG;
typedef struct _VG_SCREEN_MD_REPORT_2BYTE_VG_
       properties1;
characterPosition;
numberOfCharacters;
character1;
character2;
   BYTE
                                   /* masked byte */
   BYTE
                                  /**/
   BYTE
   BYTE
                                   /* MSB */
                                   /* LSB */
  BYTE
} VG_SCREEN_MD_REPORT_2BYTE_VG;
typedef struct _VG_SCREEN_MD_REPORT_3BYTE_VG_
                                   /* masked byte */
          properties1;
          characterPosition;
numberOfCharacters;
                                  /**/
/**/
/* MSB */
  BYTE character1;
BYTE character1;
BYTE character2;
BYTE character3;
                                   /* LSB */
} VG_SCREEN_MD_REPORT_3BYTE_VG;
/* Screen Md Report variant group structs */
typedef struct _VG_SCREEN_MD_REPORT_4BYTE_VG_
          properties1;
                                   /* masked byte */
                                  /* MSB */
   BYTE
          characterPosition;
   BYTE
          numberOfCharacters;
  BYTE character1;
BYTE character2;
BYTE character3;
BYTE character4;
                                  /* LSB */
} VG_SCREEN_MD_REPORT_4BYTE_VG;
/* Screen Md Report 1byte command class structs */
typedef struct _ZW_SCREEN_MD_REPORT_1BYTE_FRAME_
                                   /* The command class */
          cmdClass;
                          /* The command */
   BYTE
          cmd:
                                   /* masked byte */
          properties1;
   VG_SCREEN_MD_REPORT_4BYTE_VG variantgroup1;
} ZW_SCREEN_MD_REPORT_1BYTE_FRAME;
typedef struct _ZW_SCREEN_MD_REPORT_2BYTE_FRAME_
   BYTE
          cmdClass;
                                   /\star The command class \star/
        cmd;
                                   /* The command */
   BYTE
                                   /* masked byte */
          properties1;
  VG_SCREEN_MD_REPORT_4BYTE_VG variantgroup1;
VG_SCREEN_MD_REPORT_4BYTE_VG variantgroup2;
} ZW_SCREEN_MD_REPORT_2BYTE_FRAME;
typedef struct _ZW_SCREEN_MD_REPORT_3BYTE_FRAME_
         cmdClass;
cmd;
   BYTE
                                   /* The command class */
                                   /* The command */
   BYTE
        properties1;
                                   /* masked byte */
   BYTE
```

```
VG_SCREEN_MD_REPORT_4BYTE_VG variantgroup1;
VG_SCREEN_MD_REPORT_4BYTE_VG variantgroup2;
VG_SCREEN_MD_REPORT_4BYTE_VG variantgroup3;
} ZW_SCREEN_MD_REPORT_3BYTE_FRAME;
/* Screen Md Report 4byte command class structs */
typedef struct _ZW_SCREEN_MD_REPORT_4BYTE_FRAME_
   BYTE
                                          /* The command class */
            cmdClass;
                                         /* The command */
   BYTE
            cmd;
                                          /* masked byte */
             properties1;
   VG_SCREEN_MD_REPORT_4BYTE_VG variantgroup1;
VG_SCREEN_MD_REPORT_4BYTE_VG variantgroup2;
VG_SCREEN_MD_REPORT_4BYTE_VG variantgroup3;
VG_SCREEN_MD_REPORT_4BYTE_VG variantgroup4;
                                                             /**/
} ZW_SCREEN_MD_REPORT_4BYTE_FRAME;
/* Screen Md Get V2 command class structs */
typedef struct _ZW_SCREEN_MD_GET_V2_FRAME_
                                         /* The command class */
/* The command */
/**/
   BYTE
            cmdClass;
   BYTE
          cmd;
numberOfReports;
nedoId;
   BYTE
            nodeId;
   BYTE
} ZW_SCREEN_MD_GET_V2_FRAME;
/*********************
typedef struct _VG_SCREEN_MD_REPORT_1BYTE_V2_VG_
           properties1;
                                         /* masked byte */
          characterPosition;
numberOfCharacters;
   BYTE
   BYTE
             character1;
} VG_SCREEN_MD_REPORT_1BYTE_V2_VG;
typedef struct _VG_SCREEN_MD_REPORT_2BYTE_V2_VG_
        properties1;
characterPosition;
numberOfCharacters;
character1;
character2;
                                          /* masked byte */
   BYTE
                                         , masked

/**/

/**/

/* MSB */
   BYTE
   BYTE
                                         /* LSB */
   BYTE
} VG_SCREEN_MD_REPORT_2BYTE_V2_VG;
/* Screen Md Report V2 variant group structs */
typedef struct _VG_SCREEN_MD_REPORT_3BYTE_V2_VG_
           properties1;
characterPosition;
numberOfCharacters;
character1;
                                         /* masked byte */
                                         /**/
/**/
   BYTE
   BYTE
                                         /* MSB */
   BYTE
          character2;
   BYTE
                                         /* LSB */
             character3;
   BYTE
} VG_SCREEN_MD_REPORT_3BYTE_V2_VG;
typedef struct _VG_SCREEN_MD_REPORT_4BYTE_V2_VG_
           properties1;
                                          /* masked byte */
   BYTE
   BYTE
            characterPosition;
        characterrosition;
numberOfCharacters;
character1;
character2;
character3;
character4;
                                         /**/
   BYTE
                                          /* MSB */
   BYTE
   BYTE
                                          /* LSB */
   BYTE
} VG_SCREEN_MD_REPORT_4BYTE_V2_VG;
```

```
/* Screen Md Report 1byte V2 command class structs */
typedef struct _ZW_SCREEN_MD_REPORT_1BYTE_V2_FRAME_
                                          /* The command class */
   BYTE
             cmdClass;
                                          /* The command */
   BYTE
             cmd;
                                          /* masked byte */
             properties1;
    VG_SCREEN_MD_REPORT_4BYTE_V2_VG variantgroup1;
BYTE properties2;
} ZW_SCREEN_MD_REPORT_1BYTE_V2_FRAME;
                                         /* masked byte */
/\star Screen Md Report 2byte V2 command class structs \star/
typedef struct _ZW_SCREEN_MD_REPORT_2BYTE_V2_FRAME_
            cmdClass;
                                           /* The command class */
           cmd;
properties1;
                                          /* The command */
   BYTE
                                           /* masked byte */
   VG_SCREEN_MD_REPORT_4BYTE_V2_VG variantgroup1; VG_SCREEN_MD_REPORT_4BYTE_V2_VG variantgroup2;
                                          /* masked byte */
             properties2;
} ZW_SCREEN_MD_REPORT_2BYTE_V2_FRAME;
/* Screen Md Report 3byte V2 command class structs */
typedef struct _ZW_SCREEN_MD_REPORT_3BYTE_V2_FRAME_
                                          /\star The command class \star/
   BYTE
            cmdClass;
                                           /* The command */
   BYTE
                                           /* masked byte */
   BYTE
             properties1;
   VG_SCREEN_MD_REPORT_4BYTE_V2_VG variantgroup1;
VG_SCREEN_MD_REPORT_4BYTE_V2_VG variantgroup2;
VG_SCREEN_MD_REPORT_4BYTE_V2_VG variantgroup3;
BYTE properties2; /* masl
} ZW_SCREEN_MD_REPORT_3BYTE_V2_FRAME;
typedef struct _ZW_SCREEN_MD_REPORT_4BYTE_V2_FRAME_
                                          /* The command class */
   BYTE
            cmdClass;
            cmd;
                                          /* The command */
   Cmd; /* The
BYTE properties1; /* masl
VG_SCREEN_MD_REPORT_4BYTE_V2_VG variantgroup1;
VG_SCREEN_MD_REPORT_4BYTE_V2_VG variantgroup2;
VG_SCREEN_MD_REPORT_4BYTE_V2_VG variantgroup3;
VG_SCREEN_MD_REPORT_4BYTE_V2_VG variantgroup4;
BYTE properties2; /* masl
   BYTE
                                           /* masked byte */
                                          /* masked byte */
} ZW_SCREEN_MD_REPORT_4BYTE_V2_FRAME;
/* Security Panel Mode Get command class structs */
typedef struct _ZW_SECURITY_PANEL_MODE_GET_FRAME_
           cmdClass;
cmd;
                                          /* The command class */
                                          /* The command */
} ZW_SECURITY_PANEL_MODE_GET_FRAME;
typedef struct _ZW_SECURITY_PANEL_MODE_REPORT_FRAME_
                                          /* The command class */
   BYTE
            cmdClass:
          cmd;
mode;
                                           /* The command */
   BYTE
} ZW_SECURITY_PANEL_MODE_REPORT_FRAME;
typedef struct _ZW_SECURITY_PANEL_MODE_SET_FRAME_
   BYTE
             cmdClass;
                                           /* The command */
   BYTE
           cmd;
   BYTE
             mode;
} ZW_SECURITY_PANEL_MODE_SET_FRAME;
```

```
/* Security Panel Mode Supported Get command class structs */
typedef struct _ZW_SECURITY_PANEL_MODE_SUPPORTED_GET_FRAME_
         cmdClass;
                                      /* The command class */
                                      /* The command */
} ZW_SECURITY_PANEL_MODE_SUPPORTED_GET_FRAME;
typedef struct _ZW_SECURITY_PANEL_MODE_SUPPORTED_REPORT_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
   BYTE
           cmd;
                                 /* MSB */
       supportedModeBitMask1;
   BYTE
                                      /* LSB */
            supportedModeBitMask2;
} ZW_SECURITY_PANEL_MODE_SUPPORTED_REPORT_FRAME;
/* Security Panel Zone Sensor Installed Report command class structs */
typedef struct _ZW_SECURITY_PANEL_ZONE_SENSOR_INSTALLED_REPORT_FRAME_
                                      /* The command class */
/* The command */
   BYTE
           cmdClass;
   BYTE
           cmd:
         zoneNumber;
   BYTE
                                      /**/
            numberOfSensors;
} ZW_SECURITY_PANEL_ZONE_SENSOR_INSTALLED_REPORT_FRAME;
typedef struct _ZW_SECURITY_PANEL_ZONE_SENSOR_TYPE_GET_FRAME_
          cmdClass;
                                      /\,^{\star} The command class ^{\star}/\,
   BYTE
                                      /* The command */
   BYTE
           cmd;
        zoneNumber;
   BYTE
            sensorNumber;
} ZW_SECURITY_PANEL_ZONE_SENSOR_TYPE_GET_FRAME;
/* Security Panel Zone Sensor Type Report command class structs */
typedef struct _ZW_SECURITY_PANEL_ZONE_SENSOR_TYPE_REPORT_FRAME_
                                      /\,^{\star} The command class ^{\star}/\,
   BYTE
           cmdClass;
                                      /* The command */
          cmd;
   BYTE
   BYTE
           zoneNumber;
        sensorNumber;
   BYTE
            zwaveAlarmType;
} ZW_SECURITY_PANEL_ZONE_SENSOR_TYPE_REPORT_FRAME;
/

/* Security Panel Zone Sensor Installed Get command class structs */

/*******************/
typedef struct _ZW_SECURITY_PANEL_ZONE_SENSOR_INSTALLED_GET_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
         cmd;
   BYTE
   BYTE
           zoneNumber;
} ZW_SECURITY_PANEL_ZONE_SENSOR_INSTALLED_GET_FRAME;
typedef struct _ZW_SECURITY_PANEL_ZONE_SENSOR_STATE GET FRAME
           cmdClass;
   BYTE
                                      /\,^{\star} The command class ^{\star}/\,
         cmd;
zoneNumber;
                                      /* The command */
   BYTE
   BYTE
   BYTE
           sensorNumber;
} ZW_SECURITY_PANEL_ZONE_SENSOR_STATE_GET_FRAME;
/* Security Panel Zone Sensor State Report command class structs */
typedef struct _ZW_SECURITY_PANEL_ZONE_SENSOR_STATE_REPORT_FRAME_
```

```
cmdClass;
                                  /* The command class */
                                  ^{\prime} /* The command */
   BYTE
          cmd;
                                  /**/
/**/
   BYTE
          zoneNumber;
   BYTE
          sensorNumber;
          zwaveAlarmType;
zwaveAlarmEvent;
   BYTE
   BYTE
          eventParameters;
} ZW_SECURITY_PANEL_ZONE_SENSOR_STATE_REPORT_FRAME;
^{\prime} /* Security Panel Zone Number Supported Get command class structs */
typedef struct ZW SECURITY PANEL ZONE NUMBER SUPPORTED GET FRAME
                                  /* The command class */
          cmdClass;
                                  /* The command */
  BYTE
          cmd:
} ZW_SECURITY_PANEL_ZONE_NUMBER_SUPPORTED_GET_FRAME;
typedef struct _ZW_SECURITY_PANEL_ZONE_STATE_GET_FRAME_
   BYTE
          cmdClass;
                                  /* The command class */
        cmd;
zoneNumber;
  BYTE
                                  /* The command */
  BYTE
} ZW_SECURITY_PANEL_ZONE_STATE_GET_FRAME;
/* Security Panel Zone State Report command class structs */
typedef struct _ZW_SECURITY_PANEL_ZONE_STATE_REPORT_FRAME_
   BYTE
          cmdClass;
                                  /* The command class */
        cmd;
zoneNumber;
zoneState;
                                  /* The command */
   BYTE
  BYTE
} ZW_SECURITY_PANEL_ZONE_STATE_REPORT_FRAME;
/* Security Panel Zone Supported Report command class structs */
typedef struct _ZW_SECURITY_PANEL_ZONE_SUPPORTED_REPORT_FRAME
                                  /* The command class */
   BYTE
          cmdClass;
                                  /* The command */
   BYTE
          cmd;
                                  /* masked byte */
          parameters1;
} ZW_SECURITY_PANEL_ZONE_SUPPORTED_REPORT_FRAME;
typedef struct _ZW_SECURITY_PANEL_ZONE_TYPE_GET_FRAME_
          cmdClass;
                                  /* The command class */
  BYTE
        cmd;
                                  /* The command */
  BYTE
  BYTE
          zoneNumber:
} ZW_SECURITY_PANEL_ZONE_TYPE_GET_FRAME;
/* Security Panel Zone Type Report command class structs */
typedef struct _ZW_SECURITY_PANEL_ZONE_TYPE_REPORT_FRAME_
   BYTE
         cmdClass;
                                  /* The command class */
        cmd;
zoneNumber;
                                  /* The command */
   BYTE
                                  /**/
   BYTE
  BYTE
          zoneType;
} ZW SECURITY PANEL ZONE TYPE REPORT FRAME;
typedef struct _ZW_NETWORK_KEY_SET_1BYTE_FRAME_
                                 /* The command class */
/* The command */
          cmdClass;
          cmd;
   BYTE
          networkKeyByte1;
} ZW_NETWORK_KEY_SET_1BYTE_FRAME;
```

```
/* Network Key Set 2byte command class structs */
typedef struct _ZW_NETWORK_KEY_SET_2BYTE_FRAME_
                                        /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
         cmd;
networkKeyByte1;
networkKeyByte2;
   BYTE
                                        /* MSB */
                                        /* LSB */
} ZW_NETWORK_KEY_SET_2BYTE_FRAME;
/* Network Key Set 3byte command class structs */
typedef struct _ZW_NETWORK_KEY_SET_3BYTE_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE networkKeyByte1;
BYTE networkKeyByte2;
BYTE networkKeyByte3;
                                        /\star The command class \star/
                                        /* The command */
                                        /* LSB */
} ZW_NETWORK_KEY_SET_3BYTE_FRAME;
/* Network Key Set 4byte command class structs */
typedef struct _ZW_NETWORK_KEY_SET_4BYTE_FRAME_
                                        /* The command class */
   BYTE
            cmdClass:
                                        /* The command */
   BYTE
            cmd;
          cmd;
networkKeyByte1;
networkKeyByte2;
networkKeyByte3;
networkKeyByte4.
                                        /* MSB */
   BYTE
   BYTE
   BYTE
                                        /* LSB */
   BYTE
            networkKeyByte4;
} ZW_NETWORK_KEY_SET_4BYTE_FRAME;
/* Network Key Verify command class structs */
typedef struct _ZW_NETWORK_KEY_VERIFY_FRAME_
   BYTE cmdClass;
                                         /* The command class */
            cmd;
} ZW_NETWORK_KEY_VERIFY_FRAME;
typedef struct _ZW_SECURITY_COMMANDS_SUPPORTED_GET_FRAME_
   BYTE cmdClass;

DYTE cmd;
                                        /* The command class */
                                        /* The command */
} ZW_SECURITY_COMMANDS_SUPPORTED_GET_FRAME;
/* Security Commands Supported Report 1byte command class structs */
typedef struct _ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_1BYTE_FRAME
            cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
   BYTE
            reportsToFollow;
          commandClassSupport1;
commandClassMark;
   BYTE
                                        /*The COMMAND CLASS MARK is used to indicate that all preceding
   BYTE
command classes are supported and all following command classes are controlled.*/
   BYTE commandClassControl1;
} ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_1BYTE_FRAME;
/* Security Commands Supported Report 2byte command class structs */
typedef struct _ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_2BYTE_FRAME_
                                        /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
   BYTE
            cmd;
   BYTE
                                        /**/
           reportsToFollow;
            commandClassSupport1;
                                        /* MSB */
   BYTE
                                        /* LSB */
/*The COMMAND_CLASS_MARK is used to indicate that all preceding
           commandClassSupport2;
   BYTE
   BYTE
            commandClassMark;
command classes are supported and all following command classes are controlled.*/
BYTE commandClassControl1; /* MSB */
BYTE commandClassControl2; /* LSB */
```

```
} ZW SECURITY COMMANDS SUPPORTED REPORT 2BYTE FRAME;
typedef struct _ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_3BYTE_FRAME_
                                          /* The command class */
/* The command */
/**/
    BYTE
             cmdClass;
    BYTE
             cmd;
             reportsToFollow;
    BYTE
            commandClassSupport1;
                                          /* MSB */
    BYTE
            commandClassSupport2;
   BYTE
            commandClassSupport3;
commandClassMark;
                                          /* LSB */
                                          /*The COMMAND_CLASS_MARK is used to indicate that all preceding
   BYTE
command classes are supported and all following command classes are controlled.*/
   BYTE commandClassControl1;
BYTE commandClassControl2;
                                         /* MSB */
             commandClassControl3;
} ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_3BYTE_FRAME;
typedef struct _ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_4BYTE_FRAME_
    BYTE
             cmdClass;
                                           /* The command class */
                                          /* The command */
   BYTE
             cmd;
            reportsToFollow;
    BYTE
            commandClassSupport1;
                                          /* MSB */
            commandClassSupport2;
    BYTE
            commandClassSupport3;
commandClassSupport4;
commandClassMark;
    BYTE
                                          /* LSB */
   BYTE
BYTE commandClassMark; /*The COMMAND_CLASS_MARK is used to indicate that all preceding command classes are supported and all following command classes are controlled.*/
BYTE commandClassControl1; /* MSB */
         commandClassControl1;
             commandClassControl2;
           commandClassControl3;
   BYTE
   BYTE
             commandClassControl4;
} ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_4BYTE_FRAME;
/************************
^{\prime \star} Security Message Encapsulation 1byte command class structs ^{\star \prime}
typedef struct _ZW_SECURITY_MESSAGE_ENCAPSULATION_1BYTE_FRAME_
            cmdClass;
                                           /* The command class */
                                           /* The command */
            cmd;
                                           /* MSB */
            initializationVectorBytel;
    BYTE
   BYTE
             initializationVectorByte2;
    RYTE
             initializationVectorByte3;
   BYTE
             initializationVectorByte4;
             initializationVectorByte5;
    BYTE
             initializationVectorByte6;
    BYTE
             initializationVectorByte7;
    BYTE
             initializationVectorByte8;
                                           /* T.SB */
                                          /* masked byte */
   BYTE
             properties1;
             commandClassIdentifier;
    BYTE
             commandIdentifier;
   BYTE
             commandByte1;
    BYTE
             receiversNonceIdentifier;
             {\tt messageAuthenticationCodeByte1;/*\ MSB\ */}
    BYTE
             messageAuthenticationCodeByte2;
    BYTE
             messageAuthenticationCodeBvte3;
    BYTE
             messageAuthenticationCodeByte4;
    BYTE
             messageAuthenticationCodeByte5;
    BYTE
             messageAuthenticationCodeByte6;
    RYTE
             {\tt messageAuthenticationCodeByte7;}
             messageAuthenticationCodeByte8;/* LSB */
   BYTE
} ZW_SECURITY_MESSAGE_ENCAPSULATION_1BYTE_FRAME;
typedef struct _ZW_SECURITY_MESSAGE_ENCAPSULATION_2BYTE FRAME
                                          /\!\!\!\!\!^{\star} The command class */ /\!\!\!\!\!\!^{\star} The command */
             cmdClass;
                                           /* MSB */
    BYTE
             initializationVectorBytel;
             initializationVectorByte2;
    RYTE
             initializationVectorByte3;
    BYTE
             initializationVectorByte4;
```

```
initializationVectorByte5;
             initializationVectorByte6;
   BYTE
             initializationVectorByte7;
                                           /* LSB */
   BYTE
             initializationVectorByte8;
                                           /* masked byte */
             properties1;
   BYTE
             commandClassIdentifier;
   BYTE
             commandIdentifier;
                                           /**/
             commandByte1;
                                            /* MSB */
                                            /* LSB */
   BYTE
             commandByte2;
             receiversNonceIdentifier;
   BYTE
             messageAuthenticationCodeByte1;/* MSB */
   BYTE
             messageAuthenticationCodeByte2;
   BYTE
             messageAuthenticationCodeByte3;
   BYTE
             messageAuthenticationCodeByte4;
   BYTE
             messageAuthenticationCodeByte5;
             messageAuthenticationCodeByte6;
messageAuthenticationCodeByte7;
   BYTE
             messageAuthenticationCodeByte8;/* LSB */
} ZW_SECURITY_MESSAGE_ENCAPSULATION_2BYTE_FRAME;
typedef struct _ZW_SECURITY_MESSAGE_ENCAPSULATION_3BYTE_FRAME_
             cmdClass;
                                            /* The command class */
                                           /* The command */
/* MSB */
   BYTE
             cmd;
             initializationVectorBytel;
   BYTE
             initializationVectorByte2;
             initializationVectorByte3;
   BYTE
             initializationVectorByte4;
   BYTE
             initializationVectorByte5;
             initializationVectorByte6;
initializationVectorByte7;
   BYTE
   BYTE
             initializationVectorByte8;
                                           /* LSB */
   BYTE
                                           /* masked byte */
/**/
             properties1;
   BYTE
   BYTE
             commandClassIdentifier;
                                           /**/
   BYTE
             commandIdentifier;
                                           /* MSB */
   BYTE
             commandByte1;
             commandByte2;
   BYTE
                                           /* LSB */
             commandByte3;
             receiversNonceIdentifier;
             messageAuthenticationCodeByte1;/* MSB */
   BYTE
   BYTE
             {\tt messageAuthenticationCodeByte2;}
             messageAuthenticationCodeByte3;
messageAuthenticationCodeByte4;
   BYTE
   BYTE
             messageAuthenticationCodeByte5;
   BYTE
             messageAuthenticationCodeByte6;
   BYTE
   BYTE
             messageAuthenticationCodeByte7;
             messageAuthenticationCodeByte8;/* LSB */
   BYTE
} ZW_SECURITY_MESSAGE_ENCAPSULATION_3BYTE_FRAME;
^{\prime \star} Security Message Encapsulation 4byte command class structs ^{\star \prime}
typedef struct _ZW_SECURITY_MESSAGE_ENCAPSULATION_4BYTE_FRAME_
             cmdClass;
                                            /* The command class */
             cmd;
                                            /* The command */
                                            /* MSB */
   BYTE
             initializationVectorBytel;
   BYTE
             initializationVectorByte2;
             initializationVectorByte3;
   BYTE
             initializationVectorBvte4;
   BYTE
             initializationVectorByte5;
   BYTE
             initializationVectorByte6;
   BYTE
             initializationVectorByte7;
   BYTE
             initializationVectorByte8;
                                           /* LSB */
                                           /* masked byte */
   BYTE
             properties1;
             commandClassIdentifier;
                                           /**/
   BYTE
                                           /**/
   BYTE
             commandIdentifier;
             commandByte1;
                                           /* MSB */
   BYTE
             commandByte2;
   BYTE
             commandByte3;
                                           /* LSB */
             commandByte4;
   BYTE
             receiversNonceIdentifier;
   BYTE
             messageAuthenticationCodeByte1;/* MSB */
   BYTE
   BYTE
             messageAuthenticationCodeByte2;
   BYTE
             messageAuthenticationCodeByte3;
   BYTE
             messageAuthenticationCodeByte4;
             messageAuthenticationCodeByte5;
   BYTE
             messageAuthenticationCodeByte6;
```

```
messageAuthenticationCodeByte7;
            messageAuthenticationCodeByte8;/* LSB */
} ZW SECURITY MESSAGE ENCAPSULATION 4BYTE FRAME;
/* Security Message Encapsulation Nonce Get 1byte command class structs */
typedef struct _ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_1BYTE_FRAME_
                                        /* The command class */
/* The command */
            cmdClass;
   BYTE
   BYTE
            cmd;
                                        /* MSB */
            initializationVectorBytel;
   BYTE
            initializationVectorByte2;
            initializationVectorByte3;
   BYTE
   BYTE
            initializationVectorByte4;
           initializationVectorByte5;
initializationVectorByte6;
   BYTE
   BYTE
   BYTE
            initializationVectorByte7;
   BYTE
           initializationVectorByte8;
                                        /* LSB */
            properties1;
                                        /* masked byte */
/**/
   BYTE
   BYTE
            commandClassIdentifier;
   BYTE
            commandIdentifier;
            commandByte1;
   BYTE
            receiversNonceIdentifier;
   BYTE
            messageAuthenticationCodeByte1;/* MSB */
   BYTE
            messageAuthenticationCodeByte2;
   BYTE
            {\tt messageAuthenticationCodeByte3;}
            messageAuthenticationCodeByte4;
   BYTE
            messageAuthenticationCodeByte5;
   BYTE
            messageAuthenticationCodeByte6;
   BYTE
            messageAuthenticationCodeByte7;
   BYTE
            messageAuthenticationCodeByte8;/* LSB */
   BYTE
} ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_1BYTE_FRAME;
  /* Security Message Encapsulation Nonce Get 2byte command class structs */
typedef struct _ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_2BYTE_FRAME_
            cmdClass;
                                         /* The command class */
   BYTE
                                         /* The command */
           cmd;
initializationVectorByte1;
                                         /* MSB */
   BYTE
            initializationVectorByte2;
   BYTE
            initializationVectorByte3;
            initializationVectorByte4;
initializationVectorByte5;
   BYTE
   BYTE
   BYTE
            initializationVectorByte6;
           initializationVectorByte7;
   BYTE
   BYTE
            initializationVectorByte8;
                                         /* LSB */
                                        /* masked byte */
   RYTE
           properties1;
            commandClassIdentifier;
   BYTE
            commandIdentifier;
   BYTE
                                         /* MSB */
            commandByte1;
                                         /* LSB */
            commandByte2;
   BYTE
            receiversNonceIdentifier;
   BYTE
            messageAuthenticationCodeByte1;/* MSB */
   BYTE
            messageAuthenticationCodeByte2;
   BYTE
            messageAuthenticationCodeByte3;
   BYTE
   BYTE
            messageAuthenticationCodeByte4;
   BYTE
            messageAuthenticationCodeByte5;
   BYTE
            messageAuthenticationCodeByte6;
   BYTE
            messageAuthenticationCodeByte7;
            messageAuthenticationCodeByte8;/* LSB */
   BYTE
} ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_2BYTE_FRAME;
typedef struct _ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE GET 3BYTE FRAME
            cmdClass;
                                         /* The command class */
                                         /* The command */
            cmd;
   BYTE
                                         /* MSB */
   BYTE
            initializationVectorBytel;
            initializationVectorByte2;
   BYTE
            initializationVectorByte3;
   BYTE
   BYTE
            initializationVectorByte4;
   BYTE
            initializationVectorByte5;
   BYTE
            initializationVectorByte6;
            initializationVectorByte7; initializationVectorByte8;
   RYTE
                                         /* LSB */
   BYTE
   BYTE
            properties1;
                                         /* masked byte */
```

```
commandClassIdentifier;
             commandIdentifier;
   BYTE
                                           /* MSB */
   BYTE
             commandByte1;
   BYTE
             commandByte2;
                                          /* LSB */
   BYTE
             commandBvte3;
   BYTE
             receiversNonceIdentifier;
             messageAuthenticationCodeByte1;/* MSB */
             messageAuthenticationCodeByte2;
   BYTE
             {\tt messageAuthenticationCodeByte3;}
   BYTE
             messageAuthenticationCodeByte4;
             messageAuthenticationCodeByte5;
   BYTE
             messageAuthenticationCodeByte6;
   BYTE
             messageAuthenticationCodeByte7;
   BYTE
             messageAuthenticationCodeByte8;/* LSB */
} ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_3BYTE_FRAME;
/
/* Security Message Encapsulation Nonce Get 4byte command class structs */
/*******************/
typedef struct _ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_4BYTE_FRAME_
                                           /* The command class */
   BYTE
             cmdClass;
                                           /* The command */
/* MSB */
   BYTE
             cmd;
            initializationVectorBytel;
   BYTE
             initializationVectorByte2;
   BYTE
            initializationVectorByte3;
   BYTE
             initializationVectorByte4;
             initializationVectorByte5;
   BYTE
            initializationVectorByte6;
   BYTE
             initializationVectorByte7;
   BYTE
                                          /* LSB */
/* masked byte */
            initializationVectorByte8;
   BYTE
   BYTE
            properties1;
            commandClassIdentifier; commandIdentifier;
   BYTE
   BYTE
   BYTE
            commandByte1;
                                           /* MSB */
   BYTE
             commandByte2;
   BYTE
             commandByte3;
                                          /* LSB */
   BYTE
             commandByte4;
             receiversNonceIdentifier; /**/
messageAuthenticationCodeByte1;/* MSB */
messageAuthenticationCodeByte2;
   BYTE
   BYTE
             messageAuthenticationCodeByte3;
   BYTE
             messageAuthenticationCodeByte4;
   BYTE
             messageAuthenticationCodeByte5;
             messageAuthenticationCodeByte6;
messageAuthenticationCodeByte7;
   BYTE
             messageAuthenticationCodeByte8;/* LSB */
} ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_4BYTE_FRAME;
typedef struct _ZW_SECURITY_NONCE_GET_FRAME_
          cmdClass;
   BYTE
                                           /* The command class */
                                          /* The command */
   BYTE
             cmd:
} ZW SECURITY NONCE GET FRAME;
/* Security Nonce Report command class structs */
typedef struct _ZW_SECURITY_NONCE_REPORT_FRAME_
   BYTE
            cmdClass;
                                           /* The command class */
                                           /* The command */
/* MSB */
   BYTE
             nonceByte1;
   BYTE
             nonceByte2;
   BYTE
             nonceByte3;
   BYTE
            nonceByte4;
            nonceByte5;
   BYTE
            nonceByte6;
           nonceByte0;
   BYTE
BYTE nonceByte8;
} ZW_SECURITY_NONCE_REPORT_FRAME;
                                          /* LSB */
,
typedef struct _ZW_SECURITY_SCHEME_GET_FRAME_
   BYTE
            cmdClass;
                                           /* The command class */
```

```
cmd;
                                     /* The command */
           supportedSecuritySchemes;
} ZW_SECURITY_SCHEME_GET_FRAME;
/* Security Scheme Inherit command class structs */
typedef struct _ZW_SECURITY_SCHEME_INHERIT_FRAME_
   BYTE
           cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
        cmd;
           supportedSecuritySchemes;
   BYTE
} ZW_SECURITY_SCHEME_INHERIT_FRAME;
typedef struct _ZW_SECURITY_SCHEME_REPORT_FRAME_
                                     /* The command class */
/* The command */
   BYTE
           cmdClass;
         cmd;
   BYTE
           supportedSecuritySchemes;
   BYTE
} ZW_SECURITY_SCHEME_REPORT_FRAME;
/************************
/* Sensor Alarm Get command class structs */
typedef struct _ZW_SENSOR_ALARM_GET_FRAME_
        cmdClass;
cmd;
sensorType;
                                     /* The command class */
/* The command */
   BYTE
   BYTE
} ZW_SENSOR_ALARM_GET_FRAME;
typedef struct _ZW_SENSOR_ALARM_REPORT_FRAME_
        cmdClass;
cmd;
sourceNodeId;
sensorType;
sensorState;
seconds1;
seconds2;
                                     /* The command class */
   BYTE
                                     /* The command */
                                     /**/
                                     /**/
/**/
   BYTE
   BYTE
                                     /* MSB */
   BYTE
                                     /* LSB */
   BYTE
           seconds2;
} ZW SENSOR ALARM REPORT FRAME;
typedef struct _ZW_SENSOR_ALARM_SUPPORTED_GET_FRAME
         cmdClass;
cmd;
                                     /* The command class */
                                     /* The command */
   BYTE
} ZW_SENSOR_ALARM_SUPPORTED_GET_FRAME;
typedef struct _ZW_SENSOR_ALARM_SUPPORTED_REPORT_1BYTE_FRAME_
                                     /* The command class */
   BYTE
          cmdClass;
         cmd;
numberOfBitMasks;
                                     /* The command */
   BYTE
           bitMask1;
} ZW_SENSOR_ALARM_SUPPORTED_REPORT_1BYTE_FRAME;
/* Sensor Alarm Supported Report 2byte command class structs */
typedef struct _ZW_SENSOR_ALARM_SUPPORTED_REPORT_2BYTE_FRAME_
                                     /* The command class */
   BYTE
          cmdClass;
         cmd;
                                     /* The command */
   BYTE
           numberOfBitMasks;
   BYTE
           bitMask1;
                                     /* MSB */
/* LSB */
   BYTE
           bitMask2;
} ZW_SENSOR_ALARM_SUPPORTED_REPORT_2BYTE_FRAME;
```

```
/* Sensor Alarm Supported Report 3byte command class structs */
typedef struct _ZW_SENSOR_ALARM_SUPPORTED_REPORT_3BYTE_FRAME_
                                  /* The command class */
   BYTE
          cmdClass;
                                  /* The command */
   BYTE
          cmd;
         numberOfBitMasks;
bitMask1;
   BYTE
                                  /* MSB */
         bitMask2;
   BYTE
                                  /* LSB */
  BYTE
          hitMask3:
} ZW_SENSOR_ALARM_SUPPORTED_REPORT_3BYTE_FRAME;
/* Sensor Alarm Supported Report 4byte command class structs */
typedef struct _ZW_SENSOR_ALARM_SUPPORTED_REPORT_4BYTE_FRAME_
          cmdClass;
                                  /* The command class */
                                  /* The command */
   BYTE
          cmd;
  BYTE
          numberOfBitMasks;
                                  /* MSB */
   BYTE
          bitMask1;
          bitMask2;
  BYTE
          bitMask3;
   BYTE
         bitMask4;
                                  /* LSB */
} ZW SENSOR ALARM SUPPORTED REPORT 4BYTE FRAME;
typedef struct _ZW_SENSOR_BINARY_GET_FRAME_
                                  /* The command class */
   BYTE
          cmdClass;
                                  /* The command */
  BYTE
          cmd:
} ZW_SENSOR_BINARY_GET_FRAME;
/* Sensor Binary Report command class structs */
typedef struct _ZW_SENSOR_BINARY_REPORT_FRAME_
        cmdClass;
                                  /* The command class */
       cmd;
sensorValue;
                                  /* The command */
  BYTE
} ZW_SENSOR_BINARY_REPORT_FRAME;
typedef struct _ZW_SENSOR_BINARY_GET_V2_FRAME_
          cmdClass;
                                  /* The command class */
   BYTE
        cmd;
                                  /* The command */
   BYTE
           sensorType;
} ZW_SENSOR_BINARY_GET_V2_FRAME;
typedef struct _ZW_SENSOR_BINARY_REPORT_V2_FRAME_
         cmdClass;
                                  /* The command class */
  BYTE
        cmd;
sensorValue;
                                  /* The command */
  BYTE
  BYTE
           sensorType;
  BYTE
} ZW SENSOR BINARY REPORT V2 FRAME;
typedef struct _ZW_SENSOR_BINARY_SUPPORTED_GET_SENSOR_V2_FRAME_
         cmdClass;
                                  /* The command class */
  BYTE
                                  /* The command */
  BYTE
          cmd:
} ZW_SENSOR_BINARY_SUPPORTED_GET_SENSOR_V2_FRAME;
/* Sensor Binary Supported Sensor Report 1byte V2 command class structs */
typedef struct _ZW_SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_1BYTE_V2_FRAME_
        cmdClass;
   BYTE
                                  /* The command class */
```

```
/* The command */
            cmd;
           bitMask1;
} ZW_SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_1BYTE_V2_FRAME;
/* Sensor Binary Supported Sensor Report 2byte V2 command class structs */
typedef struct _ZW_SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_2BYTE_V2_FRAME_
           cmdClass;
                                      /* The command class */
   BYTE
                                      /* The command */
   BYTE
           cmd;
                                      /* MSB */
           bitMask1;
   BYTE
                                       /* LSB */
            bitMask2;
} ZW_SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_2BYTE_V2_FRAME;
typedef struct _ZW_SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_3BYTE_V2_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
   BYTE
           cmd;
                                      /* MSB */
           bitMask1;
   BYTE
           bitMask2;
           bitMask3;
                                      /* LSB */
} ZW_SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_3BYTE_V2_FRAME;
/* Sensor Binary Supported Sensor Report 4byte V2 command class structs */
typedef struct _ZW_SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_4BYTE_V2_FRAME_
                                      /* The command class */
/* The command */
   BYTE
           cmdClass;
   BYTE
           cmd;
           bitMask1;
                                      /* MSB */
   BYTE
           bitMask2;
   BYTE
   BYTE
           bitMask3;
                                      /* LSB */
   BYTE
           bitMask4;
} ZW_SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_4BYTE_V2_FRAME;
/* Sensor Trigger Level Get command class structs */
typedef struct _ZW_SENSOR_TRIGGER_LEVEL_GET_FRAME_
          cmdClass;
                                      /* The command class */
                                      /* The command */
            cmd;
} ZW_SENSOR_TRIGGER_LEVEL_GET_FRAME;
typedef struct _ZW_SENSOR_TRIGGER_LEVEL_REPORT_1BYTE_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
   BYTE
           cmd;
          sensorType;
properties1;
triggerValue1;
   BYTE
                                      /* masked byte */
   BYTE
} ZW_SENSOR_TRIGGER_LEVEL_REPORT_1BYTE_FRAME;
typedef struct _ZW_SENSOR_TRIGGER_LEVEL_REPORT_2BYTE_FRAME_
                                      /\!\!\!\!\!^{\star} The command class */ /\!\!\!\!\!\!^{\star} The command */
   RYTE
           cmdClass;
   BYTE
           cmd:
                                      /**/
   BYTE
           sensorType;
          properties1;
                                      /* masked byte */
   BYTE
         triggerValue1;
triggerValue2;
                                       /* MSB */
   BYTE
} ZW_SENSOR_TRIGGER_LEVEL_REPORT_2BYTE_FRAME;
/* Sensor Trigger Level Report 3byte command class structs */
typedef struct _ZW_SENSOR_TRIGGER_LEVEL_REPORT_3BYTE_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
   BYTE
           cmd;
```

```
sensorType;
          properties1;
                                      /* masked byte */
   BYTE
                                      /* MSB */
   BYTE
           triggerValue1;
         triggerValue2;
   BYTE
                                      /* LSB */
   BYTE
            triggerValue3;
} ZW_SENSOR_TRIGGER_LEVEL_REPORT_3BYTE_FRAME;
/* Sensor Trigger Level Report 4byte command class structs */
typedef struct _ZW_SENSOR_TRIGGER_LEVEL_REPORT_4BYTE_FRAME
   BYTE
                                      /* The command class */
           cmdClass;
          cmd;
                                      /* The command */
   BYTE
   BYTE
           sensorType;
                                      /* masked byte */
           properties1;
triggerValue1;
   BYTE
                                      /* MSB */
   BYTE
        triggerValue2;
triggerValue3;
triggerValue4;
   BYTE
   BYTE
   BYTE
                                      /* LSB */
} ZW_SENSOR_TRIGGER_LEVEL_REPORT_4BYTE_FRAME;
/* Sensor Trigger Level Set 1byte command class structs */
typedef struct _ZW_SENSOR_TRIGGER_LEVEL_SET_1BYTE_FRAME_
                                      /* The command class */
           cmdClass;
   BYTE
                                      /* The command */
   BYTE
           cmd;
         properties1;
sensorType;
properties2;
                                      /* masked byte */
   BYTE
   BYTE
                                      /* masked byte */
   BYTE
   BYTE
            triggerValue1;
} ZW_SENSOR_TRIGGER_LEVEL_SET_1BYTE_FRAME;
/* Sensor Trigger Level Set 2byte command class structs */
typedef struct _ZW_SENSOR_TRIGGER_LEVEL_SET_2BYTE_FRAME_
                                      /* The command class */
           cmdClass;
           cmd;
                                      /* The command */
          properties1; sensorType;
                                      /* masked byte */
   BYTE
   BYTE
         properties2;
triggerValue1;
                                      /* masked byte */
   BYTE
                                      /* MSB */
            triggerValue2;
} ZW_SENSOR_TRIGGER_LEVEL_SET_2BYTE_FRAME;
typedef struct _ZW_SENSOR_TRIGGER_LEVEL_SET_3BYTE_FRAME_
                                      /* The command class */
/* The command */
          cmdClass;
   BYTE
   BYTE
           cmd;
          properties1;
sensorType;
                                      /* masked byte */
   BYTE
   BYTE
         properties2;
triggerValue1;
triggerValue2;
triggerValue3;
   BYTE
                                      /* masked byte */
                                      /* MSB */
   BYTE
   BYTE
                                      /* LSB */
   BYTE
} ZW_SENSOR_TRIGGER_LEVEL_SET_3BYTE_FRAME;
/* Sensor Trigger Level Set 4byte command class structs */
typedef struct _ZW_SENSOR_TRIGGER_LEVEL_SET_4BYTE_FRAME_
           cmdClass;
                                      /* The command class */
                                      /* The command */
                                      /* masked byte */
           properties1;
   BYTE
   BYTE
           sensorType;
                                      /* masked byte */
          properties2;
triggerValue1;
   BYTE
                                      /* MSB */
   BYTE
   BYTE
           triggerValue2;
         triggerValue3;
   BYTE
   BYTE
            triggerValue4;
                                      /* LSB */
} ZW_SENSOR_TRIGGER_LEVEL_SET_4BYTE_FRAME;
```

```
/* Sensor Multilevel Get command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_GET_FRAME_
          cmdClass;
                                  /* The command class */
                                 /* The command */
  BYTE
          cmd;
} ZW SENSOR MULTILEVEL GET FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_FRAME_
   BYTE
       cmdClass;
cmd;
sensorType;
level;
sensor
         cmdClass;
                                  /\,^{\star} The command class ^{\star}/\,
                                  /* The command */
  BYTE
                                  /**/
  BYTE
                                  /* masked byte */
  BYTE
          sensorValue1;
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_FRAME_
         cmdClass;
                                  /\,^{\star} The command class ^{\star}/\,
        cmdclass;
cmd;
sensorType;
level;
                                  /* The command */
  BYTE
                                 /**/
  BYTE
                                 /* masked byte */
      sensorValue1;
sensorValue2;
                                  /* MSB */
  BYTE
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_FRAME_
                                 /* The command class */
  BYTE
          cmdClass;
                                  /* The command */
         cmd;
  BYTE
       sensorType;
level;
sensorValue1;
sensorValue2;
                                  /* masked byte */
   BYTE
                                 /* MSB */
  BYTE
                                 /* LSB */
          sensorValue3;
  BYTE
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_FRAME;
/* Sensor Multilevel Report 4byte command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_FRAME_
                                  /* The command class */
         cmdClass;
                                  /* The command */
         cmd;
         sensorType;
level;
                                  /**/
  BYTE
                                 /* masked byte */
  BYTE
       sensorValue1;
sensorValue2;
sensorValue3;
sensorValue4;
                                 /* MSB */
  BYTE
  BYTE
  BYTE
                                 /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V2_FRAME_
       cmdClass;
                                 /* The command class */
  BYTE
                                 /* The command */
  BYTE
          cmd;
} ZW_SENSOR_MULTILEVEL_GET_V2_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V2_FRAME_
         cmdClass;
                                  /* The command class */
                                 /* The command */
/**/
  BYTE
         cmd;
         sensorType;
level;
  BYTE
                                 /* masked byte */
  BYTE
          sensorValue1;
```

```
} ZW SENSOR MULTILEVEL REPORT 1BYTE V2 FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V2_FRAME_
   BYTE
          cmdClass;
                                  /\star The command class \star/
                                  /* The command */
/**/
   BYTE
         cmd;
        sensorType;
level;
sensorValue1;
   RYTE
                                  /* masked byte */
   BYTE
                                  /* MSB */
   BYTE
           sensorValue2;
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V2_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V2_FRAME_
                                  /* The command class */
/* The command */
   BYTE
          cmdClass;
  BYTE
          cmd;
         sensorType;
level;
                                  /**/
   BYTE
                                  /* masked byte */
        sensorValue1;
sensorValue2;
   BYTE
                                  /* MSB */
   BYTE
                                  /* LSB */
  BYTE
          sensorValue3;
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V2_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V2_FRAME_
          cmdClass;
                                  /* The command class */
   BYTE
                                  /* The command */
         cmd;
  BYTE
          sensorType;
                                  /**/
                                  /* masked byte */
         level;
   BYTE
        sensorValue1;
sensorValue2;
sensorValue3;
sensorValue4.
                                  /* MSB */
   RYTE
   BYTE
          sensorValue4;
} ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V2_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V3_FRAME_
       cmdClass;
cmd;
                                  /* The command class */
  BYTE
                                  /* The command */
  BYTE
} ZW_SENSOR_MULTILEVEL_GET_V3_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V3_FRAME_
       cmdClass;
cmd;
sensorType;
level;
                                  /* The command class */
                                  /* The command */
   BYTE
  BYTE
                                  /* masked byte */
  BYTE
          sensorValue1;
  BYTE
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V3_FRAME;
/* Sensor Multilevel Report 2byte V3 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V3_FRAME_
       cmdClass;
cmd;
sensorType;
level;
sensorValue1;
sensorValue2;
                                  /\star The command class \star/
                                  /* The command */
  BYTE
                                  /**/
  BYTE
                                  /* masked byte */
   BYTE
                                  /* MSB */
                                   /* LSB */
   BYTE
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V3_FRAME;
```

```
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V3_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
         cmd;
sensorType;
level;
sensorValue1;
sensorValue2;
sensorValue3;
                                     /* The command */
   BYTE
   BYTE
                                     /* masked byte */
   BYTE
                                     /* MSB */
   BYTE
                                     /* LSB */
   BYTE
           sensorValue3;
} ZW SENSOR MULTILEVEL REPORT 3BYTE V3 FRAME;
/************************
/* Sensor Multilevel Report 4byte V3 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V3_FRAME_
          cmdClass;
                                     /* The command class */
          cmd;
sensorType;
level;
   BYTE
                                     /* The command */
                                     /**/
   BYTE
   BYTE
                                     /* masked byte */
        sensorValue1;
sensorValue2;
sensorValue3;
                                     /* MSB */
   BYTE
   BYTE
   BYTE
           sensorValue4;
} ZW SENSOR MULTILEVEL REPORT 4BYTE V3 FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V4_FRAME_
          cmdClass;
                                     /* The command class */
   BYTE
                                     /* The command */
   BYTE
           cmd:
} ZW_SENSOR_MULTILEVEL_GET_V4_FRAME;
/\star Sensor Multilevel Report 1byte V4 command class structs \star/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V4_FRAME_
                                     /* The command class */
          cmdClass;
          cmd;
sensorType;
level;
                                     /* The command */
                                     /**/
   BYTE
                                     /* masked byte */
   BYTE
           sensorValue1;
   BYTE
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V4_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V4_FRAME_
                                      /* The command class */
           cmdClass;
          cmd;
sensorType;
level;
                                      /* The command */
   BYTE
                                     /**/
   BYTE
                                     /* masked byte */
   BYTE
         sensorValue1;
                                     /* MSB */
   BYTE
           sensorValue2;
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V4_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V4_FRAME_
   BYTE
           cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
           cmd;
          sensorType;
level;
sensorValuel;
   BYTE
                                     /* masked byte */
   BYTE
                                     /* MSB */
         sensorValue2;
sensorValue3;
                                     /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V4_FRAME;
/* Sensor Multilevel Report 4byte V4 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V4_FRAME_
   BYTE
           cmdClass;
                                     /* The command class */
                                      /* The command */
   BYTE
           cmd;
```

```
sensorType;
                                       /* masked byte */
   BYTE
           level;
                                       /* MSB */
   BYTE
           sensorValue1;
   BYTE
           sensorValue2;
         sensorValue3;
   BYTE
           sensorValue4;
                                      /* LSB */
   BYTE
} ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V4_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V5_FRAME_
   BYTE
          cmdClass;
                                      /* The command class */
   BYTE cmd;
BYTE sensorType;
BYTE
                                      /* The command */
/**/
                                      /* masked byte */
           properties1;
} ZW_SENSOR_MULTILEVEL_GET_V5_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V5_FRAME
                                      /* The command class */
/* The command */
/**/
           cmdClass;
   BYTE
   BYTE
          cmd;
        sensorType;
level;
   BYTE
                                      /* masked byte */
   BYTE
            sensorValue1;
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V5_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V5_FRAME_
         cmdClass;
                                      /\star The command class \star/
   BYTE
        cmdc:
cmd;
sensorType;
level;
sensorValue1;
sensorValue2;
                                      /* The command */
   BYTE
   BYTE
                                      /* masked byte */
   BYTE
                                      /* MSB */
            sensorValue2;
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V5_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V5_FRAME_
           cmdClass;
                                      /* The command class */
   BYTE
                                      /* The command */
   BYTE
           cmd;
       cmd;
sensorType;
level;
sensorValue1;
sensorValue2;
sensorValue3;
                                      /**/
   BYTE
                                      /* masked byte */
   BYTE
                                      /* MSB */
   BYTE
                                      /* LSB */
   BYTE
           sensorValue3;
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V5_FRAME;
/* Sensor Multilevel Report 4byte V5 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V5_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           sensorType;
        level;
sensorValue1;
sensorValue2;
sensorValue3;
sensorValue4;
                                      /* masked byte */
   BYTE
                                      /* MSB */
   BYTE
   BYTE
            sensorValue4;
                                      /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V5_FRAME;
/* Sensor Multilevel Supported Get Sensor V5 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V5_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
   BYTE
            cmd;
} ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V5_FRAME;
```

```
/* Sensor Multilevel Supported Sensor Report 1byte V5 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE V5 FRAME
                                         /* The command class */
            cmdClass;
         cmd;
bitMask1;
   BYTE
                                         /* The command */
   BYTE
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V5_FRAME;
^{\prime\prime} Sensor Multilevel Supported Sensor Report 2byte V5 command class structs ^{*\prime}
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V5_FRAME_
           cmdClass;
                                         /* The command class */
          cmd;
bitMask1;
bitMask2;
   BYTE
                                         /* The command */
                                         /* MSB */
   BYTE
                                         /* LSB */
   BYTE
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V5_FRAME;
/* Sensor Multilevel Supported Sensor Report 3byte V5 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V5_FRAME_
            cmdClass:
                                         /* The command class */
   BYTE
                                         /* The command */
   BYTE
            cmd;
         cma;
bitMask1;
bitMask2;
bitMask3;
                                         /* MSB */
   BYTE
   BYTE
                                         /* LSB */
   BYTE
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V5_FRAME;
/* Sensor Multilevel Supported Sensor Report 4byte V5 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_4BYTE_V5_FRAME_
            cmdClass;
                                         /* The command class */
   BYTE
                                         /* The command */
   BYTE
            cmd;
           bitMask1;
                                         /* MSB */
   BYTE
            bitMask2;
   BYTE
            bitMask3;
                                         /* TSB */
   BYTE
            bitMask4:
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_4BYTE_V5_FRAME;
/* Sensor Multilevel Supported Get Scale V5 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V5_FRAME_
                                         /* The command class */
          cmd;
sensorType;
                                         /* The command */
   BYTE
} ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V5_FRAME;
^{\prime \star} Sensor Multilevel Supported Scale Report V5 command class structs ^{\star \prime}
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V5_FRAME_
                                         /* The command class */
            cmdClass;
          cmd;
cmd;
sensorType;
                                         /* The command */
   BYTE
                                         /**/
            properties1;
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V5_FRAME;
/* Sensor Multilevel Get V6 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V6_FRAME_
         cmdClass;
cmd;
sensorType;
properties1;
   BYTE
                                         /* The command class */
                                         /* The command */
   BYTE
} ZW_SENSOR_MULTILEVEL_GET_V6_FRAME;
/************************
/* Sensor Multilevel Report 1byte V6 command class structs */
```

```
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V6_FRAME_
                                        /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
   BYTE
           cmd;
         sensorType;
level;
                                        /**/
   BYTE
                                        /* masked byte */
            sensorValue1;
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V6_FRAME;
/* Sensor Multilevel Report 2byte V6 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V6_FRAME_
                                        /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
   BYTE
           cmd;
          sensorType;
level;
   BYTE
                                        /**/
                                        /* masked byte */
   BYTE
         sensorValue1; sensorValue2;
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V6_FRAME;
/* Sensor Multilevel Report 3byte V6 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V6_FRAME_
                                        /* The command class */
           cmdClass;
                                        /* The command */
           cmd;
                                        /**/
           sensorType;
level;
   BYTE
                                        /* masked byte */
   BYTE
         sensorValue1;
sensorValue2;
                                        /* MSB */
   BYTE
            sensorValue3;
                                         /* LSB */
   BYTE
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V6_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V6_FRAME_
   BYTE
           cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
           cmd;
           sensorType;
level;
                                        /**/
   BYTE
                                        /* masked byte */
   BYTE
         sensorValue1;
sensorValue2;
sensorValue3;
sensorValue4;
                                        /* MSB */
   BYTE
   BYTE
   BYTE
                                        /* LSB */
   BYTE
} ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V6_FRAME;
/* Sensor Multilevel Supported Get Sensor V6 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V6_FRAME_
        cmdClass;
                                        /* The command class */
            cmd;
                                        /* The command */
} ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V6_FRAME;
/* Sensor Multilevel Supported Sensor Report 1byte V6 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V6_FRAME_
                                        /* The command class */
/* The command */
            cmdClass;
   BYTE
            cmd:
            bitMask1;
   BYTE
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V6_FRAME;
/

/* Sensor Multilevel Supported Sensor Report 2byte V6 command class structs */

/***************/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V6_FRAME_
                                        /* The command class */
   BYTE
           cmdClass;
          cmd;
bitMask1;
                                        /* The command */
   BYTE
                                        /* MSB */
   BYTE
                                        /* LSB */
            bitMask2;
   BYTE
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V6_FRAME;
```

```
/* Sensor Multilevel Supported Sensor Report 3byte V6 command class structs */
/****************/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V6_FRAME_
                                        /* The command class */
           cmdClass;
   BYTE
            cmd;
                                        /* The command */
          bitMask1;
bitMask2;
                                        /* MSB */
   BYTE
   BYTE
                                        /* LSB */
            bitMask3;
   BYTE
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V6_FRAME;
//* Sensor Multilevel Supported Sensor Report 4byte V6 command class structs */
/****************/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_4BYTE_V6_FRAME_
   BYTE
            cmdClass;
                                        /* The command class */
   BYTE
                                        /* The command */
            cmd;
                                        /* MSB */
           bitMask1;
bitMask2;
   BYTE
   BYTE
        bitMask3;
bitMask4;
   BYTE
                                       /* LSB */
} ZW SENSOR MULTILEVEL SUPPORTED SENSOR REPORT 4BYTE V6 FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V6_FRAME_
                                        /* The command class */
   BYTE
           cmdClass;
                                        /* The command */
   BYTE cmd;
   BYTE
            sensorType;
} ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V6_FRAME;
/* Sensor Multilevel Supported Scale Report V6 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V6_FRAME
           cmdClass;
                                        /\,^{\star} The command class ^{\star}/\,
                                       /* The command */
/**/
         cmd;
cmd;
sensorType;
   BYTE
   BYTE
BYTE properties1; /* masked by ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V6_FRAME;
                                        /* masked byte */
/* Sensor Multilevel Get V7 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V7_FRAME_
            cmdClass;
                                        /* The command class */
          cmd;
sensorType;
                                       /* The command */
                                        /**/
   BYTE
                                       /* masked byte */
   BYTE
            properties1;
} ZW_SENSOR_MULTILEVEL_GET_V7_FRAME;
/* Sensor Multilevel Report 1byte V7 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V7_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE sensorType;
BYTE level;
BYTE sensorValue1;
                                        /* The command class */
/* The command */
                                        /* masked byte */
} ZW SENSOR MULTILEVEL REPORT 1BYTE V7 FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V7_FRAME_
   BYTE
            cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
            cmd;
   BYTE
            sensorType;
                                        /* masked byte */
   RYTE
            level;
            sensorValue1;
                                        /* MSB */
   BYTE
                                        /* LSB */
            sensorValue2;
```

```
} ZW SENSOR MULTILEVEL REPORT 2BYTE V7 FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V7_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
           sensorType;
   RYTE
          level;
sensorValuel;
                                       /* masked byte */
   BYTE
                                       /* MSB */
   BYTE
         sensorValue2;
sensorValue3;
   BYTE
                                      /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V7_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V7_FRAME_
                                       /* The command class */
           cmdClass;
   BYTE
                                       /* The command */
   BYTE
           cmd;
           sensorType;
level;
                                       /**/
                                       /* masked byte */
   BYTE
                                       /* MSB */
   BYTE
          sensorValue1;
         sensorValue2;
sensorValue3;
   BYTE
   BYTE
            sensorValue4;
                                       /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V7_FRAME;
/* Sensor Multilevel Supported Get Sensor V7 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V7_FRAME
         cmdClass;
                                      /* The command class */
                                       /* The command */
   BYTE
           cmd;
} ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V7_FRAME;
/* Sensor Multilevel Supported Sensor Report 1byte V7 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V7_FRAME_
           cmdClass;
                                       /* The command class */
         cmd;
bitMask1;
                                      /* The command */
   BYTE
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V7_FRAME;
/* Sensor Multilevel Supported Sensor Report 2byte V7 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V7_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
   BYTE
           cmd:
           bitMask1;
                                       /* MSB */
                                       /* LSB */
            bitMask2;
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V7_FRAME;
/* Sensor Multilevel Supported Sensor Report 3byte V7 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V7_FRAME_
                                      RYTE
           cmdClass;
   BYTE
           cmd:
                                       /* MSB */
   BYTE
           bitMask1;
          bitMask2;
bitMask3;
                                      /* LSB */
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V7_FRAME;
/* Sensor Multilevel Supported Sensor Report 4byte V7 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_4BYTE_V7_FRAME_
           cmdClass;
                                      /\star The command class \star/
   BYTE
                                       /* The command */
   BYTE
           cmd;
           bitMask1;
                                       /* MSB */
```

```
bitMask2;
        bitMask3;
  BYTE
                                 /* LSB */
  BYTE
         bitMask4;
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_4BYTE_V7_FRAME;
./* Sensor Multilevel Supported Get Scale V7 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V7_FRAME_
   BYTE
          cmdClass;
                                 /* The command class */
       cmd;
                                 /* The command */
   BYTE
          sensorType;
} ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V7_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V7_FRAME_
                                 /* The command class */
  BYTE
         cmdClass;
                                 /* The command */
  BYTE
         cmd;
        sensorType;
  BYTE
                                 /* masked byte */
          properties1;
} ZW SENSOR MULTILEVEL SUPPORTED SCALE REPORT V7 FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V8_FRAME_
                                 /* The command class */
   BYTE
         cmdClass;
        cmd;
sensorType;
                                 /* The command */
  BYTE
                                 /* masked byte */
  BYTE
          properties1;
} ZW_SENSOR_MULTILEVEL_GET_V8_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V8_FRAME_
   BYTE
         cmdClass;
                                 /* The command class */
                                 /* The command */
  BYTE
         cmd;
   BYTE
         sensorType;
                                 /* masked byte */
         level;
          sensorValue1;
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V8_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V8_FRAME_
         cmdClass;
                                 /* The command class */
  BYTE
                                 /* The command */
  BYTE
         cmd;
         sensorType;
level;
                                 /**/
  BYTE
                                 /* masked byte */
  BYTE
        sensorValue1;
sensorValue2;
                                 /* MSB */
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V8_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V8_FRAME_
                                 /* The command class */
   BYTE
         cmdClass;
                                 /* The command */
   BYTE
         cmd;
                                 /**/
   BYTE
         sensorType;
                                 /* masked byte */
/* MSB */
          level;
         sensorValue1;
   BYTE
        sensorValue2;
  BYTE
                                 /* LSB */
          sensorValue3;
  BYTE
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V8_FRAME;
/* Sensor Multilevel Report 4byte V8 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V8_FRAME_
```

```
cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
            cmd;
   BYTE
            sensorType;
                                        /* masked byte */
   BYTE
            level;
                                        /* MSB */
            sensorValue1;
   BYTE
   BYTE
            sensorValue2;
           sensorValue3;
            sensorValue4;
                                        /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V8_FRAME;
  /* Sensor Multilevel Supported Get Sensor V8 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V8_FRAME_
        cmdClass;
   BYTE
                                        /* The command class */
                                        /* The command */
   BYTE
            cmd;
} ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V8_FRAME;
/* Sensor Multilevel Supported Sensor Report 1byte V8 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V8_FRAME_
   BYTE
            cmdClass;
                                        /* The command class */
                                        /* The command */
            cmd;
   BYTE
            bitMask1:
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V8_FRAME;
/* Sensor Multilevel Supported Sensor Report 2byte V8 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V8_FRAME_
   BYTE
            cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
            cmd;
   BYTE
            bitMask1;
                                        /* MSB */
                                        /* LSB */
   BYTE
            bitMask2;
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V8_FRAME;
/* Sensor Multilevel Supported Sensor Report 3byte V8 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V8_FRAME_
            cmdClass;
                                        /* The command class */
                                        /* The command */
            cmd;
           bitMask1;
   BYTE
   BYTE
            bitMask2;
                                        /* LSB */
   BYTE
            hitMask3:
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V8_FRAME;
/* Sensor Multilevel Supported Sensor Report 4byte V8 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_4BYTE_V8_FRAME_
            cmdClass;
                                        /* The command class */
   BYTE
            cmd;
                                        /* The command */
                                        /* MSB */
   BYTE
            bitMask1;
   BYTE
            bitMask2:
           bitMask3;
   BYTE
                                        /* LSB */
            bitMask4;
   BYTE
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_4BYTE_V8_FRAME;
/* Sensor Multilevel Supported Get Scale V8 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V8_FRAME_
   BYTE
            cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
          cmd;
            sensorType;
   BYTE
} ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V8_FRAME;
^{\prime\prime} Sensor Multilevel Supported Scale Report V8 command class structs ^{*\prime}
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V8_FRAME_
          cmdClass;
   BYTE
                                        /* The command class */
```

```
cmd;
                               /* The command */
        sensorType;
  BYTE
                               /* masked byte */
  BYTE
         properties1;
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V8_FRAME;
/* Sensor Multilevel Get V9 command class structs */
/*********************
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V9_FRAME_
  BYTE
         cmdClass;
                               /* The command class */
                               /* The command */
  BYTE
         cmd;
        sensorType;
properties1;
                               /**/
  BYTE
                               /* masked byte */
} ZW_SENSOR_MULTILEVEL_GET_V9_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V9_FRAME_
                               /* The command class */
         cmdClass;
  BYTE
                               /* The command */
  BYTE
         cmd;
        sensorType;
level;
sensorValue1;
  BYTE
                               /* masked byte */
  BYTE
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V9_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V9_FRAME_
  BYTE
         cmdClass;
                               /* The command class */
        cmd;
sensorType;
  BYTE
                               /* The command */
  BYTE
  BYTE
         level;
                               /* masked byte */
                               /* MSB */
        sensorValue1;
  BYTE
                               /* LSB */
  BYTE
          sensorValue2;
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V9_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V9_FRAME_
         cmdClass;
                               /* The command class */
  BYTE
                               /* The command */
  BYTE
         sensorType;
  BYTE
                               /* masked byte */
  RYTE
         level;
         sensorValue1;
                               /* MSB */
  BYTE
        sensorValue2;
  BYTE
          sensorValue3;
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V9_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V9_FRAME_
                               /* The command class */
  BYTE
         cmdClass;
                               /* The command */
  BYTE
         cmd;
                               /**/
  BYTE
         sensorType;
                               /* masked byte */
  BYTE
         level;
         sensorValue1;
  BYTE
         sensorValue2;
  BYTE
        sensorValue3;
         sensorValue4;
                               /* LSB */
  BYTE
} ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V9_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V9_FRAME_
         cmdClass;
                               /* The command class */
} ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V9_FRAME;
/* Sensor Multilevel Supported Sensor Report 1byte V9 command class structs */
```

```
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V9_FRAME_
                                          /* The command class */
/* The command */
   BYTE
            cmdClass;
   BYTE
         cmd;
bitMask1;
   BYTE
} ZW SENSOR MULTILEVEL SUPPORTED SENSOR REPORT 1BYTE V9 FRAME;
/

/* Sensor Multilevel Supported Sensor Report 2byte V9 command class structs */

/**************/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V9_FRAME_
   BYTE
           cmdClass;
                                          /* The command class */
                                          /* The command */
   BYTE
            cmd;
   BYTE cma,
BYTE bitMask1;
BYTE bitMask2;
                                          /* MSB */
                                           /* LSB */
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V9_FRAME;
/

/* Sensor Multilevel Supported Sensor Report 3byte V9 command class structs */

/*************/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V9_FRAME_
                                          /* The command class */
/* The command */
   BYTE
            cmdClass;
        cmd;
bitMask1;
bitMask2;
bitMask3;
   BYTE
                                          /* MSB */
   BYTE
   BYTE
                                          /* LSB */
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V9_FRAME;
/
/* Sensor Multilevel Supported Sensor Report 4byte V9 command class structs */
/*****************/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_4BYTE_V9_FRAME
           cmdClass;
                                          /* The command class */
   BYTE
                                          /* The command */
           cmd;
bitMask1;
   BYTE
                                          /* MSB */
   RYTE
            bitMask2;
   BYTE
           bitMask3;
             bitMask4;
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_4BYTE_V9_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V9_FRAME_
            cmdClass;
   BYTE
                                          /\star The command class \star/
                                          /* The command */
         cmd;
   BYTE
   BYTE
             sensorType;
} ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V9_FRAME;
/
/* Sensor Multilevel Supported Scale Report V9 command class structs */
/*************************/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V9_FRAME_
         cmdClass;
cmd;
sensorType;
   BYTE
                                          /* The command class */
                                          ^{\prime} /* The command */
   BYTE
                                          /**/
   BYTE
                                           /* masked byte */
   BYTE
             properties1;
} ZW SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V9_FRAME;
/* Sensor Multilevel Get V10 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_GET V10 FRAME
          cmdClass;
cmd;
sensorType;
propertial
   BYTE
                                          /* The command class */
                                          /* The command */
   BYTE
   BYTE
                                          /* masked byte */
   BYTE
             properties1;
} ZW_SENSOR_MULTILEVEL_GET_V10_FRAME;
/*********************
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V10_FRAME
```

```
cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
          cmd;
   BYTE
           sensorType;
                                     /* masked byte */
          level;
   BYTE
           sensorValue1;
   BYTE
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V10_FRAME;
.
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V10_FRAME_
                                     /* The command class */
/* The command */
           cmdClass;
   BYTE
   BYTE
          cmd;
   BYTE
           sensorType;
         level;
sensorValuel;
                                     /* masked byte */
   BYTE
                                     /* MSB */
   BYTE
           sensorValue2;
                                     /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V10_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V10_FRAME_
   BYTE
           cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
           cmd;
          sensorType;
level;
                                     /**/
   BYTE
                                     /* masked byte */
   BYTE
        sensorValue1;
sensorValue2;
sensorValue3;
                                     /* MSB */
   BYTE
   BYTE
                                     /* LSB */
   BYTE
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V10_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V10_FRAME_
          cmdClass;
                                     /* The command class */
   BYTE
                                     /* The command */
   BYTE
          cmd;
          sensorType;
level;
                                     /**/
                                     /* masked byte */
   BYTE
                                     /* MSB */
          sensorValue1;
   BYTE
         sensorValue2;
sensorValue3;
sensorValue4:
   BYTE
   BYTE
           sensorValue4;
                                    /* LSB */
   BYTE
} ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V10_FRAME;
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V10_FRAME_
         cmdClass;
                                     /* The command class */
   BYTE
                                     /* The command */
   BYTE
           cmd:
} ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V10_FRAME;
/* Sensor Multilevel Supported Sensor Report 1byte V10 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V10_FRAME_
                                     /* The command class */
   BYTE
          cmdClass;
           bitMask1;
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V10_FRAME;
^{\prime\prime} Sensor Multilevel Supported Sensor Report 2byte V10 command class structs ^{\star\prime}
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V10_FRAME_
   BYTE
          cmdClass;
                                     /* The command class */
         cmd;
bitMask1;
bitMask2;
                                     /* The command */
   BYTE
                                     /* MSB */
                                     /* LSB */
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V10_FRAME;
/* Sensor Multilevel Supported Sensor Report 3byte V10 command class structs */
```

```
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V10_FRAME_
                                       /* The command class */
/* The command */
   BYTE
           cmdClass;
   BYTE
           cmd;
         bitMask1;
bitMask2;
bitMask3;
   BYTE
                                       /* LSB */
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_3BYTE_V10_FRAME;
/* Sensor Multilevel Supported Sensor Report 4byte V10 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_4BYTE_V10_FRAME_
                                       /* The command class */
/* The command */
   BYTE
           cmdClass;
   BYTE
            cmd;
   BYTE
           bitMask1;
                                       /* MSB */
           bitMask2;
   BYTE
         bitMask3;
bitMask4;
   BYTE
                                       /* LSB */
   BYTE
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_4BYTE_V10_FRAME;
/* Sensor Multilevel Supported Get Scale V10 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V10_FRAME_
           cmdClass;
                                       /* The command class */
       cmd;
sensorType;
                                       /* The command */
                                       /**/
   BYTE
} ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V10_FRAME;
/* Sensor Multilevel Supported Scale Report V10 command class structs */
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V10_FRAME_
                                       /* The command class */
   BYTE
            cmdClass;
          cmd;
sensorType;
                                       /* The command */
   BYTE
            properties1;
                                       /* masked byte */
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V10_FRAME;
typedef struct _ZW_SENSOR_ALARM_SET_1BYTE_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
                                       /* The command */
   BYTE
           cmd;
          mode;
seconds1;
seconds2;
numberOfBitMasks;
   BYTE
                                       /* MSB */
   BYTE
                                       /* LSB */
   BYTE
   BYTE
            bitMask1;
} ZW_SENSOR_ALARM_SET_1BYTE_FRAME;
/* Sensor Alarm Set 2byte command class structs */
typedef struct _ZW_SENSOR_ALARM_SET_2BYTE_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
           cmd;
   BYTE
           mode;
                                       /* MSB */
   BYTE
           seconds1;
seconds2;
                                       /* LSB */
   BYTE
   BYTE
           numberOfBitMasks;
          bitMask1;
                                       /* MSB */
   BYTE
            bitMask2;
} ZW_SENSOR_ALARM_SET_2BYTE_FRAME;
typedef struct _ZW_SENSOR_ALARM_SET_3BYTE_FRAME_
           cmdClass;
                                       /* The command class */
/* The command */
   BYTE
   BYTE
           cmd;
   BYTE
           mode;
```

```
seconds1;
                                    /* MSB */
                                     /* LSB */
           seconds2;
   BYTE
   BYTE
           numberOfBitMasks;
                                    /* MSB */
   BYTE
          bitMask1;
         bitMask2;
   BYTE
           bitMask3;
                                    /* LSB */
   BYTE
} ZW_SENSOR_ALARM_SET_3BYTE_FRAME;
typedef struct _ZW_SENSOR_ALARM_SET_4BYTE_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
           cmd;
                                    /**/
   BYTE
          mode;
   BYTE
           seconds1;
                                    /* MSB */
   BYTE
           seconds2;
                                    /* LSB */
                                    /**/
   BYTE
           numberOfBitMasks;
   BYTE
           bitMask1;
                                    /* MSB */
   BYTE
          bitMask2;
         bitMask3;
   BYTE
           bitMask4;
                                    /* LSB */
   BYTE
} ZW_SENSOR_ALARM_SET_4BYTE_FRAME;
/* Simple Av Control Get command class structs */
typedef struct _ZW_SIMPLE_AV_CONTROL_GET_FRAME_
        cmdClass;
   BYTE
                                    /* The command class */
                                    /* The command */
   BYTE
           cmd;
} ZW_SIMPLE_AV_CONTROL_GET_FRAME;
/* Simple Av Control Report command class structs */
typedef struct _ZW_SIMPLE_AV_CONTROL_REPORT_FRAME_
        cmdClass;
cmd;
numberOfReports;
   BYTE
                                    /* The command class */
                                    /* The command */
} ZW_SIMPLE_AV_CONTROL_REPORT_FRAME;
typedef struct _VG_SIMPLE_AV_CONTROL_SET_VG_
       command1;
command2;
                                    /* MSB */
   BYTE
                                    /* LSB */
   BYTE
} VG_SIMPLE_AV_CONTROL_SET_VG;
/* Simple Av Control Set 1byte command class structs */
typedef struct _ZW_SIMPLE_AV_CONTROL_SET_1BYTE_FRAME_
                                    /* The command class */
/* The command */
/**/
           cmdClass;
   BYTE
   BYTE
           sequenceNumber;
                                    /* masked byte */
   BYTE
          properties1;
                                    /* MSB */
   BYTE
          itemId1;
                                     /* LSB */
           itemId2;
   VG SIMPLE AV CONTROL SET VG variantgroup1;
} ZW_SIMPLE_AV_CONTROL_SET_1BYTE_FRAME;
/* Simple Av Control Set 2byte command class structs */
typedef struct _ZW_SIMPLE_AV_CONTROL_SET_2BYTE_FRAME_
                                    /* The command class */
/* The command */
   BYTE
           cmdClass;
   BYTE
          cmd;
          sequenceNumber;
   BYTE
         properties1;
itemId1;
                                    /* masked byte */
                                    /* MSB */
/* LSB */
   BYTE
           itemId2;
   VG_SIMPLE_AV_CONTROL_SET_VG_variantgroup1;
VG_SIMPLE_AV_CONTROL_SET_VG_variantgroup2;
} ZW_SIMPLE_AV_CONTROL_SET_2BYTE_FRAME;
```

```
/**********************
/* Simple Av Control Set 3byte command class structs */
typedef struct _ZW_SIMPLE_AV_CONTROL_SET_3BYTE_FRAME_
                                             /* The command class */
            cmdClass;
    BYTE
             cmd;
                                             /* The command */
                                             /**/
    BYTE
            sequenceNumber;
                                             /* masked byte */
   BYTE
             properties1;
                                            /* MSB */
             itemId1;
    BYTE
                                             /* LSB */
    BYTE
              itemId2;
   VG_SIMPLE_AV_CONTROL_SET_VG_variantgroup1;
VG_SIMPLE_AV_CONTROL_SET_VG_variantgroup2;
VG_SIMPLE_AV_CONTROL_SET_VG_variantgroup3;
} ZW_SIMPLE_AV_CONTROL_SET_3BYTE_FRAME;
/* Simple Av Control Set 4byte command class structs */
typedef struct _ZW_SIMPLE_AV_CONTROL_SET_4BYTE_FRAME_
           cmdClass;
cmd;
sequenceNumber;
properties1;
itemId1;
itemId2;
    BYTE
                                             /* The command class */
                                             /* The command */
    BYTE
                                             /**/
                                             /* masked byte */
/* MSB */
    BYTE
   BYTE
                                             /* LSB */
    BYTE
   BYTE itemId2; /*
VG_SIMPLE_AV_CONTROL_SET_VG variantgroup1;
VG_SIMPLE_AV_CONTROL_SET_VG variantgroup2;
VG_SIMPLE_AV_CONTROL_SET_VG variantgroup3;
VG_SIMPLE_AV_CONTROL_SET_VG variantgroup4;
} ZW_SIMPLE_AV_CONTROL_SET_4BYTE_FRAME;
typedef struct _ZW_SIMPLE_AV_CONTROL_SUPPORTED_GET_FRAME_
        cmdClass;
cmd;
reportNo;
                                             /* The command class */
    BYTE
                                             /* The command */
} ZW_SIMPLE_AV_CONTROL_SUPPORTED_GET_FRAME;
typedef struct _ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_1BYTE_FRAME_
             cmdClass;
   BYTE
                                             /* The command class */
                                             /* The command */
   BYTE
             cmd;
         reportNo;
bitMask1;
    BYTE
} ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_1BYTE_FRAME;
/

/* Simple Av Control Supported Report 2byte command class structs */

/**********************/
typedef struct _ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_2BYTE_FRAME_
           cmdClass;
                                             /* The command class */
   BYTE
            cmd;
                                             /* The command */
    BYTE
             reportNo;
   BYTE
           bitMask1;
bitMask2;
                                             /* MSB */
    BYTE
} ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_2BYTE_FRAME;
/* Simple Av Control Supported Report 3byte command class structs */
typedef struct _ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_3BYTE_FRAME_
                                             /* The command class */
/* The command */
    BYTE
              cmdClass;
    BYTE
             cmd;
   BYTE
             reportNo;
    BYTE
             bitMask1;
           bitMask2;
                                             /* LSB */
   BYTE
             bitMask3;
} ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_3BYTE_FRAME;
```

```
/\star Simple Av Control Supported Report 4byte command class structs \star/
typedef struct ZW SIMPLE AV CONTROL SUPPORTED REPORT 4BYTE FRAME
                                   /* The command class */
   BYTE
          cmdClass;
                                   /* The command */
   BYTE
          cmd;
          reportNo;
bitMask1;
                                   /* MSB */
         bitMask2;
bitMask3;
   BYTE
   BYTE
                                  /* LSB */
  BYTE
          bitMask4;
} ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_4BYTE_FRAME;
/* Switch All Get command class structs */
typedef struct _ZW_SWITCH_ALL_GET_FRAME_
       cmdClass;
   BYTE
                                   /* The command class */
                                  /* The command */
          cmd;
} ZW_SWITCH_ALL_GET_FRAME;
/* Switch All Off command class structs */
typedef struct _ZW_SWITCH_ALL_OFF_FRAME_
         cmdClass;
                                  /* The command class */
   BYTE
                                  /* The command */
   BYTE
           cmd;
} ZW_SWITCH_ALL_OFF_FRAME;
/* Switch All On command class structs */
typedef struct _ZW_SWITCH_ALL_ON_FRAME_
        cmdClass;
   BYTE
                                  /* The command class */
                                  /* The command */
   BYTE
          cmd;
} ZW_SWITCH_ALL_ON_FRAME;
typedef struct _ZW_SWITCH_ALL_REPORT_FRAME_
          cmdClass;
                                   /* The command class */
        cmd;
mode;
                                   /* The command */
   BYTE
} ZW_SWITCH_ALL_REPORT_FRAME;
/* Switch All Set command class structs */
typedef struct _ZW_SWITCH_ALL_SET_FRAME_
                                   /* The command class */
          cmdClass;
   BYTE
        cmd;
                                   /* The command */
   BYTE
   BYTE
          mode;
} ZW_SWITCH_ALL_SET_FRAME;
typedef struct _ZW_SWITCH_BINARY_GET_FRAME_
         cmdClass;
                                  /* The command class */
                                  /* The command */
   BYTE
          cmd:
} ZW_SWITCH_BINARY_GET_FRAME;
/************************
/* Switch Binary Report command class structs */
typedef struct _ZW_SWITCH_BINARY_REPORT_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
        cmd;
value;
                                  /* The command */
   BYTE
} ZW_SWITCH_BINARY_REPORT_FRAME;
/* Switch Binary Set command class structs */
```

```
typedef struct _ZW_SWITCH_BINARY_SET_FRAME_
                                /* The command class */
  BYTE
         cmdClass;
                                /* The command */
  BYTE
       cmd;
switchValue;
  BYTE
} ZW SWITCH BINARY SET FRAME;
typedef struct _ZW_SWITCH_BINARY_GET_V2_FRAME_
  BYTE cmdClass;
                                /* The command class */
                                /* The command */
  BYTE
          cmd;
} ZW_SWITCH_BINARY_GET_V2_FRAME;
/* Switch Binary Report V2 command class structs */
/********************
typedef struct _ZW_SWITCH_BINARY_REPORT_V2_FRAME_
  BYTE cmdClass;
BYTE cmd;
BYTE currentValue;
BYTE targetValue;
BYTE duration;
                                /* The command class */
                                /* The command */
                                /**/
/**/
  BYTE
          duration;
} ZW_SWITCH_BINARY_REPORT_V2_FRAME;
/* Switch Binary Set V2 command class structs */
typedef struct _ZW_SWITCH_BINARY_SET_V2_FRAME_
  BYTE
         cmdClass;
                                /* The command class */
        cmd;
                                /* The command */
       targetValue;
duration;
  BYTE
                                /**/
  BYTE
} ZW_SWITCH_BINARY_SET_V2_FRAME;
typedef struct _ZW_SWITCH_MULTILEVEL_GET_FRAME_
        cmdClass;
                                /* The command class */
                                /* The command */
          cmd;
} ZW_SWITCH_MULTILEVEL_GET_FRAME;
typedef struct _ZW_SWITCH_MULTILEVEL_REPORT_FRAME_
         cmdClass;
  BYTE
                                /* The command class */
                                /* The command */
       cmd;
value;
  BYTE
  BYTE
} ZW_SWITCH_MULTILEVEL_REPORT FRAME;
/* Switch Multilevel Set command class structs */
typedef struct _ZW_SWITCH_MULTILEVEL_SET_FRAME_
  BYTE
         cmdClass;
                                /* The command class */
                                /* The command */
/**/
       cmd;
value;
  BYTE
  BYTE
} ZW_SWITCH_MULTILEVEL_SET_FRAME;
/st Switch Multilevel Start Level Change command class structs st/
typedef struct _ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_FRAME_
                                /* The command class */
  BYTE
         cmdClass;
                                /* The command */
  BYTE
         cmd;
                                /* masked byte */
  BYTE
          startLevel;
} ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_FRAME;
```

```
/* Switch Multilevel Stop Level Change command class structs */
typedef struct _ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_FRAME_
                                     /* The command class */
           cmdClass;
                                     /* The command */
   BYTE
           cmd;
} ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_FRAME;
typedef struct _ZW_SWITCH_MULTILEVEL_GET_V2_FRAME_
   BYTE cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
           cmd;
} ZW_SWITCH_MULTILEVEL_GET_V2_FRAME;
/* Switch Multilevel Report V2 command class structs */
typedef struct _ZW_SWITCH_MULTILEVEL_REPORT_V2_FRAME_
        cmdClass;
cmd;
value;
                                     /* The command class */
/* The command */
   BYTE
   BYTE
} ZW_SWITCH_MULTILEVEL_REPORT_V2_FRAME;
typedef struct _ZW_SWITCH_MULTILEVEL_SET_V2_FRAME_
                                     /* The command class */
/* The command */
   BYTE
           cmdClass;
   BYTE
           cmd;
       value;
dimmingDuration;
--- PVEI, SET_V2_
                                     /**/
   BYTE
} ZW_SWITCH_MULTILEVEL_SET_V2_FRAME;
// Switch Multilevel Start Level Change V2 command class structs */
typedef struct _ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V2_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
          ____cmd;
                                     /* The command */
   BYTE
                                     /* masked byte */
           properties1;
   BYTE
         startLevel;
dimmingDuration;
   BYTE
                                     /**/
} ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V2_FRAME;
/* Switch Multilevel Stop Level Change V2 command class structs */
typedef struct _ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V2_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
                                     /* The command */
   BYTE
           cmd:
} ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V2_FRAME;
/* Switch Multilevel Get V3 command class structs */
typedef struct _ZW_SWITCH_MULTILEVEL_GET_V3_FRAME_
   BYTE cmdClass;
                                    /* The command class */
                                     /* The command */
           cmd;
} ZW_SWITCH_MULTILEVEL_GET_V3_FRAME;
/* Switch Multilevel Report V3 command class structs */
typedef struct _ZW_SWITCH_MULTILEVEL_REPORT_V3_FRAME_
                                     /* The command class */
        cmdClass;
cmd;
value;
   BYTE
                                     /* The command */
   BYTE
   BYTE
} ZW_SWITCH_MULTILEVEL_REPORT_V3_FRAME;
/
/* Switch Multilevel Set V3 command class structs */
```

```
typedef struct _ZW_SWITCH_MULTILEVEL_SET_V3_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
         cmd;
value;
dimmingDuration;
   BYTE
   BYTE
   BYTE
} ZW SWITCH MULTILEVEL SET V3 FRAME;
/

/* Switch Multilevel Start Level Change V3 command class structs */

/************************/
typedef struct _ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V3_FRAME
   BYTE
          cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
                                      /* masked byte */
          properties1;
   BYTE
       startLevel;
dimmingDuration;
stepSize;
   BYTE
   BYTE
} ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V3_FRAME;
/* Switch Multilevel Stop Level Change V3 command class structs */
typedef struct _ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V3_FRAME_
        cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd:
} ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V3_FRAME;
/* Switch Multilevel Supported Get V3 command class structs */
typedef struct _ZW_SWITCH_MULTILEVEL_SUPPORTED_GET_V3_FRAME_
   BYTE cmdClass;
BYTE cmd;
                                     /* The command class */
                                     /* The command */
} ZW_SWITCH_MULTILEVEL_SUPPORTED_GET_V3_FRAME;
/* Switch Multilevel Supported Report V3 command class structs */
typedef struct _ZW_SWITCH_MULTILEVEL_SUPPORTED_REPORT_V3_FRAME
                                      /* The command class */
   BYTE cmd;
BYTE properties1;
BYTE properties1
   BYTE
           cmdClass;
                                      /* The command */
                                     /* masked byte */
                                      /* masked byte */
} ZW_SWITCH_MULTILEVEL_SUPPORTED_REPORT_V3_FRAME;
/* Switch Multilevel Get V4 command class structs */
typedef struct _ZW_SWITCH_MULTILEVEL_GET_V4_FRAME_
         cmdClass;
                                     /* The command class */
   BYTE
                                     /* The command */
   BYTE
           cmd:
} ZW SWITCH MULTILEVEL GET V4 FRAME;
/* Switch Multilevel Report V4 command class structs */
typedef struct _ZW_SWITCH_MULTILEVEL_REPORT_V4_FRAME_
         cmdClass;
   BYTE
                                      /* The command class */
        cmuclass;
cmd;
currentValue;
targetValue;
duration
                                      /* The command */
   BYTE
                                      /**/
   BYTE
   BYTE
   BYTE
           duration;
} ZW_SWITCH_MULTILEVEL_REPORT_V4_FRAME;
typedef struct _ZW_SWITCH_MULTILEVEL_SET_V4_FRAME_
   BYTE
          cmdClass;
                                      /* The command class */
         cmd;
value;
   BYTE
                                      /* The command */
   BYTE
           dimmingDuration;
   BYTE
} ZW SWITCH MULTILEVEL SET V4 FRAME;
```

```
/* Switch Multilevel Start Level Change V4 command class structs */
typedef struct _ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V4_FRAME
                                 /* The command class */
         cmdClass;
   BYTE
         cmd;
                                 /* The command */
  BYTE cmd;
BYTE properties1;
BYTE startLevel;
BYTE dimmingDuration;
BYTE stenSize.
                                 /* masked byte */
  BYTE
          stepSize;
} ZW SWITCH MULTILEVEL START LEVEL CHANGE V4 FRAME;
typedef struct _ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V4_FRAME_
         cmdClass;
                                 /* The command class */
   BYTE
                                 /* The command */
  BYTE
          cmd:
} ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V4_FRAME;
/* Switch Multilevel Supported Get V4 command class structs */
typedef struct _ZW_SWITCH_MULTILEVEL_SUPPORTED_GET_V4_FRAME_
        cmdClass;
cmd;
                                 /* The command class */
                                 /* The command */
} ZW_SWITCH_MULTILEVEL_SUPPORTED_GET_V4_FRAME;
  /* Switch Multilevel Supported Report V4 command class structs */
typedef struct _ZW_SWITCH_MULTILEVEL_SUPPORTED_REPORT_V4_FRAME
      cmdClass;
cmd;
properties1;
                                 /* The command class */
  BYTE
                                 /* The command */
  BYTE
                                 /* masked byte */
  BYTE
                                  /* masked byte */
          properties2;
} ZW_SWITCH_MULTILEVEL_SUPPORTED_REPORT_V4_FRAME;
  typedef struct _ZW_SWITCH_TOGGLE_BINARY_SET_FRAME_
        cmdClass;
                                 /* The command class */
   BYTE
                                /* The command */
  BYTE
          cmd:
} ZW_SWITCH_TOGGLE_BINARY_SET_FRAME;
typedef struct _ZW_SWITCH_TOGGLE_BINARY_GET_FRAME_
  BYTE cmdClass;
                                 /* The command class */
                                 /* The command */
          cmd;
} ZW_SWITCH_TOGGLE_BINARY_GET_FRAME;
/* Switch Toggle Binary Report command class structs */
typedef struct _ZW_SWITCH_TOGGLE_BINARY_REPORT_FRAME_
                                 /* The command class */
/* The command */
  BYTE
         cmdClass;
       cmdCl
cmd;
  BYTE
  BYTE
          value;
} ZW_SWITCH_TOGGLE_BINARY_REPORT_FRAME;
typedef struct _ZW_SWITCH_TOGGLE_MULTILEVEL_SET_FRAME_
       cmdClass;
                                 /* The command class */
                                 /* The command */
          cmd;
} ZW_SWITCH_TOGGLE_MULTILEVEL_SET_FRAME;
```

```
/* Switch Toggle Multilevel Get command class structs */
typedef struct _ZW_SWITCH_TOGGLE_MULTILEVEL_GET_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
   BYTE
           cmd;
} ZW SWITCH TOGGLE MULTILEVEL GET FRAME;
typedef struct _ZW_SWITCH_TOGGLE_MULTILEVEL_REPORT_FRAME_
   BYTE
          cmdClass;
                                     /* The command class */
         cmd;
                                    /* The command */
   BYTE
   BYTE
           value:
} ZW_SWITCH_TOGGLE_MULTILEVEL_REPORT_FRAME;
/* Switch Toggle Multilevel Start Level Change command class structs */
typedef struct _ZW_SWITCH_TOGGLE_MULTILEVEL_START_LEVEL_CHANGE_FRAME_
         cmdClass;
   BYTE
                                     /* The command class */
   BYTE
          cmd;
                                     /* The command */
   BYTE
         level;
                                     /* masked byte */
   BYTE
           startLevel:
} ZW_SWITCH_TOGGLE_MULTILEVEL_START_LEVEL_CHANGE_FRAME;
/* Switch Toggle Multilevel Stop Level Change command class structs */
typedef struct _ZW_SWITCH_TOGGLE_MULTILEVEL_STOP_LEVEL_CHANGE_FRAME_
          cmdClass;
cmd;
                                    /* The command class */
   BYTE
                                     /* The command */
} ZW_SWITCH_TOGGLE_MULTILEVEL_STOP_LEVEL_CHANGE_FRAME;
/* Tariff Tbl Remove 1byte command class structs */
typedef struct _ZW_TARIFF_TBL_REMOVE_1BYTE_FRAME_
          cmdClass;
                                    /* The command class */
   BYTE
                                    /* The command */
   BYTE
          cmd;
         properties1;
                                    /* masked byte */
   BYTE
           rateParameterSetId1;
   BYTE
} ZW_TARIFF_TBL_REMOVE_1BYTE_FRAME;
typedef struct _ZW_TARIFF_TBL_REMOVE_2BYTE_FRAME_
          cmdClass;
   BYTE
                                    /* The command class */
                                    /* The command */
   BYTE
          cmd;
        properties1;
rateParameterSetId1;
                                    /* masked byte */
   BYTE
                                    /* MSB */
           rateParameterSetId2;
} ZW_TARIFF_TBL_REMOVE_2BYTE_FRAME;
/* Tariff Tbl Remove 3byte command class structs */
typedef struct _ZW_TARIFF_TBL_REMOVE_3BYTE_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
          cmd:
       cma;
properties1;
rateParameterSetId1;
rateParameterSetId2;
rateParameterSetId3;
                                    /* masked byte */
   BYTE
                                    /* MSB */
   BYTE
   BYTE
                                    /* LSB */
} ZW_TARIFF_TBL_REMOVE_3BYTE_FRAME;
/* Tariff Tbl Remove 4byte command class structs */
typedef struct _ZW_TARIFF_TBL_REMOVE_4BYTE_FRAME_
   BYTE
                                     /* The command class */
          cmdClass;
                                     /* The command */
   BYTE
          cmd;
```

```
properties1;
rateParameterSetId1;
rateParameterSetId2;
rateParameterSetId3;
                                            /* masked byte */
    BYTE
   BYTE
   BYTE
                                           /* LSB */
              rateParameterSetId4;
   BYTE
} ZW_TARIFF_TBL_REMOVE_4BYTE_FRAME;
/************************
/* Tariff Tbl Set command class structs */
typedef struct _ZW_TARIFF_TBL_SET_FRAME_
                                            /* The command class */
/* The command */
    BYTE
             cmdClass;
            cmd;
rateParameterSetId;
    BYTE
   BYTE
                                            /* masked byte */
        properties1;
tariffValue1;
tariffValue2;
tariffValue3;
tariffValue4;
   BYTE
                                            /* MSB */
   BYTE
   BYTE
   BYTE
   BYTE
                                            /* LSB */
} ZW_TARIFF_TBL_SET_FRAME;
/* Tariff Tbl Supplier Set 1byte command class structs */
typedef struct _ZW_TARIFF_TBL_SUPPLIER_SET_1BYTE_FRAME_
                                            /* The command class */
    BYTE
             cmdClass:
                                            /* The command */
   BYTE
             cmd;
             year1;
                                            /* MSB */
    BYTE
                                            /* MSB */
/* LSB */
/**/
             year2;
    BYTE
   BYTE
             month;
   BYTE
             day;
                                            /**/
            hourLocalTime;
   BYTE
            minuteLocalTime; secondLocalTime;
                                            /**/
   BYTE
    BYTE
                                            /**/
   BYTE
             currency1;
                                            /* MSB */
            currency2;
currency3;
   BYTE
                                            /* LSB */
   BYTE
        currency3;
properties1;
standingChargeValue1;
standingChargeValue2;
standingChargeValue3;
standingChargeValue4;
properties2;
supplierCharacter1;
                                            /* masked byte */
   BYTE
                                            /* MSB */
   BYTE
   BYTE
                                           /* LSB */
   BYTE
                                            /* masked byte */
   BYTE
} ZW_TARIFF_TBL_SUPPLIER_SET_1BYTE_FRAME;
typedef struct _ZW_TARIFF_TBL_SUPPLIER_SET_2BYTE FRAME
            cmdClass;
                                            /* The command class */
    BYTE
                                            /* The command */
/* MSB */
   BYTE
            cmd;
   BYTE
             year1;
                                            /* LSB */
   BYTE
             year2;
month;
                                            /**/
   BYTE
                                            /**/
/**/
/**/
   BYTE
             day;
    BYTE
            hourLocalTime;
   BYTE
             minuteLocalTime;
             secondLocalTime;
   BYTE
                                            /* MSB */
   BYTE
             currency1;
            currency2;
currency3;
    BYTE
    BYTE
                                            /* LSB */
            properties1;
    BYTE
                                            /* masked byte */
            standingChargeValue1;
standingChargeValue2;
standingChargeValue3;
standingChargeValue4;
                                            /* MSB */
    BYTE
   BYTE
    BYTE
                                            /* LSB */
   BYTE
         properties2;
supplierCharacter1;
                                            /* masked byte */
                                            /* MSB */
    BYTE
BYTE supplierCharacter2;
} ZW_TARIFF_TBL_SUPPLIER_SET_2BYTE_FRAME;
                                            /* LSB */
/* Tariff Tbl Supplier Set 3byte command class structs */
,
typedef struct _ZW_TARIFF_TBL_SUPPLIER_SET_3BYTE_FRAME_
    BYTE
            cmdClass;
                                            /* The command class */
```

```
BYTE
            cmd;
                                        /* The command */
                                        /* MSB */
/* LSB */
   BYTE
            year1;
   BYTE
            year2;
                                        /**/
   BYTE
            month;
                                        /**/
   BYTE
            day;
            hourLocalTime;
                                        /**/
   BYTE
            minuteLocalTime;
                                        /**/
   BYTE
            secondLocalTime;
                                        /**/
                                        /* MSB */
   BYTE
            currency1;
   BYTE
            currency2;
                                        /* LSB */
            currency3;
   BYTE
                                        /* masked byte */
            properties1;
   BYTE
            standingChargeValue1;
   BYTE
            standingChargeValue2;
   BYTE
            standingChargeValue3;
            standingChargeValue4; properties2;
                                       /* LSB */
   BYTE
                                        /* masked byte */
   BYTE
   BYTE
            supplierCharacter1;
   BYTE
         supplierCharacter2;
   BYTE
            supplierCharacter3;
                                        /* LSB */
} ZW_TARIFF_TBL_SUPPLIER_SET_3BYTE_FRAME;
/* Tariff Tbl Supplier Set 4byte command class structs */
typedef struct _ZW_TARIFF_TBL_SUPPLIER_SET_4BYTE_FRAME_
                                        /* The command class */
   BYTE
            cmdClass:
                                        /* The command */
   BYTE
            cmd;
                                        /* MSB */
/* LSB */
/**/
            year1;
   BYTE
            year2;
   BYTE
   BYTE
            month;
   BYTE
            day;
                                        /**/
            hourLocalTime;
   BYTE
            minuteLocalTime;
                                        /**/
   BYTE
   BYTE
            secondLocalTime;
                                        /**/
   BYTE
            currency1;
                                        /* MSB */
   BYTE
           currency2;
                                        /* LSB */
   BYTE
            currency3;
           properties1;
                                        /* masked byte */
   BYTE
            standingChargeValue1;
            standingChargeValue2;
   BYTE
            standingChargeValue3;
                                       /* LSB */
   BYTE
            standingChargeValue4;
                                        /* masked byte */
          properties2;
supplierCharacter1;
   BYTE
                                        /* MSB */
   BYTE
         supplierCharacter1;
supplierCharacter2;
supplierCharacter3;
   BYTE
                                        /* LSB */
   BYTE
            supplierCharacter4;
} ZW_TARIFF_TBL_SUPPLIER_SET_4BYTE_FRAME;
  ******************
typedef struct _ZW_TARIFF_TBL_COST_GET_FRAME_
                                        /* The command class */
   BYTE
           cmdClass;
                                        /* The command */
   BYTE
           cmd;
                                        /**/
/* MSB */
/* LSB */
   BYTE
           rateParameterSetId;
            startYear1;
   BYTE
   BYTE
            startYear2;
                                        /**/
            startMonth;
   BYTE
                                        /**/
            startDay;
   BYTE
            startHourLocalTime;
                                        /**/
   BYTE
                                        /**/
/* MSB */
/* LSB */
   BYTE
           startMinuteLocalTime;
            stopYear1;
   BYTE
   BYTE
            stopYear2;
   BYTE
           stopMonth;
   BYTE
           stopDay;
          stopHourLocalTime;
   BYTE
            stopMinuteLocalTime;
} ZW_TARIFF_TBL_COST_GET_FRAME;
/* Tariff Tbl Cost Report command class structs */
typedef struct _ZW_TARIFF_TBL_COST_REPORT_FRAME_
                                       /* The command class */
/* The command */
            cmdClass;
   BYTE
   BYTE
            cmd;
            rateParameterSetId;
```

```
properties1;
                                       /* masked byte */
   BYTE
                                       /* MSB */
            startYear1;
                                       /* LSB */
   BYTE
           startYear2;
                                       /**/
   BYTE
           startMonth;
                                       /**/
   BYTE
            startDav;
            startHourLocalTime;
                                       /**/
   BYTE
                                       /**/
           startMinuteLocalTime;
                                       /* MSB */
/* LSB */
/**/
   BYTE
            stopYear1;
   BYTE
            stopYear2;
   BYTE
           stopMonth;
           stopDay;
                                       /**/
   BYTE
                                       /**/
           stopHourLocalTime;
   BYTE
            stopMinuteLocalTime;
                                       /**/
                                       /* MSB */
   BYTE
           currency1;
   BYTE
           currency2;
         currency3;
properties2;
costValue1;
costValue2;
costValue3;
costValue4:
                                       /* LSB */
   BYTE
                                       /* masked byte */
   BYTE
   BYTE
                                       /* MSB */
   BYTE
   BYTE
                                       /* LSB */
   BYTE
           costValue4;
} ZW_TARIFF_TBL_COST_REPORT_FRAME;
typedef struct _ZW_TARIFF_TBL_GET_FRAME_
           cmdClass;
                                       /* The command class */
        cmd;
rateParameterSetId;
                                       /* The command */
   BYTE
} ZW_TARIFF_TBL_GET_FRAME;
typedef struct _ZW_TARIFF_TBL_REPORT_FRAME_
           cmdClass;
                                       /* The command class */
   BYTE
                                       /* The command */
   BYTE
           cmd;
           rateParameterSetId;
                                      /**/
           properties1;
                                       /* masked byte */
                                       /* MSB */
           tariffValue1;
   BYTE
   BYTE
           tariffValue2;
         tariffValue3;
   BYTE
            tariffValue4;
                                      /* LSB */
   BYTE
} ZW TARIFF TBL REPORT FRAME;
/* Tariff Tbl Supplier Get command class structs */
typedef struct _ZW_TARIFF_TBL_SUPPLIER_GET_FRAME
        cmdClass;
cmd;
                                      /* The command class */
   BYTE
                                       /* The command */
   BYTE
} ZW_TARIFF_TBL_SUPPLIER_GET_FRAME;
^{\prime \star} Tariff Tbl Supplier Report 1byte command class structs ^{\star \prime}
typedef struct _ZW_TARIFF_TBL_SUPPLIER_REPORT_1BYTE_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
                                       /* MSB */
   BYTE
            year1;
                                       /* LSB */
   BYTE
            year2;
                                       /**/
   BYTE
            month;
   BYTE
            day;
                                       /**/
   BYTE
            hourLocalTime;
                                       /**/
   BYTE
           minuteLocalTime;
           secondLocalTime;
                                       /**/
                                       /* MSB */
   BYTE
           currency1;
   BYTE
           currency2;
                                       /* LSB */
   BYTE
            currency3;
           properties1;
                                       /* masked byte */
   BYTE
           standingChargeValue1;
                                       /* MSB */
   BYTE
   BYTE
           standingChargeValue2;
   BYTE
           standingChargeValue3;
           standingChargeValue4;
                                       /* LSB */
   RYTE
                                       /* masked byte */
           properties2;
   BYTE
   BYTE
            supplierCharacter1;
```

```
} ZW TARIFF TBL SUPPLIER REPORT 1BYTE FRAME;
/* Tariff Tbl Supplier Report 2byte command class structs */
typedef struct _ZW_TARIFF_TBL_SUPPLIER_REPORT_2BYTE_FRAME_
    BYTE
              cmdClass;
                                             /* The command class */
                                             /* The command */
/* MSB */
    BYTE
              cmd;
              year1;
    BYTE
                                             /* LSB */
              year2;
    BYTE
   BYTE
              month;
                                             /**/
              day;
                                             /**/
    BYTE
              hourLocalTime;
                                             /**/
/**/
   BYTE
              minuteLocalTime;
             secondLocalTime;
currency1;
    BYTE
   BYTE
                                             /* MSB */
    BYTE
             currency2;
                                             /* LSB */
    BYTE
             currency3;
                                             /* masked byte */
/* MSB */
   BYTE
             properties1;
             standingChargeValue1;
standingChargeValue2;
standingChargeValue3;
    BYTE
    BYTE
    BYTE
            standingChargeValue4;
                                            /* LSB */
    BYTE
             properties2;
                                             /* masked byte */
            supplierCharacter1;
                                             /* MSB */
    BYTE
BYTE supplierCharacter2;
} ZW_TARIFF_TBL_SUPPLIER_REPORT_2BYTE_FRAME;
                                             /* LSB */
/* Tariff Tbl Supplier Report 3byte command class structs */
typedef struct _ZW_TARIFF_TBL_SUPPLIER_REPORT_3BYTE_FRAME_
             cmdClass;
                                             /* The command class */
    BYTE
                                             /* The command */
/* MSB */
    BYTE
             cmd;
   BYTE
              year1;
                                             /* LSB */
    BYTE
              year2;
   BYTE
              month;
                                             /**/
    BYTE
              day;
              hourLocalTime;
                                             /**/
    BYTE
                                             /**/
/**/
             minuteLocalTime;
    BYTE
              secondLocalTime;
                                             /* MSB */
   BYTE
              currency1;
    BYTE
             currency2;
                                             /* LSB */
    BYTE
             currencv3;
                                             /* masked byte */
    BYTE
             properties1;
    BYTE
             standingChargeValue1;
                                             /* MSB */
    BYTE
              standingChargeValue2;
    RYTE
             standingChargeValue3;
                                            /* LSB */
    BYTE
             standingChargeValue4;
            properties2;
                                            /* masked byte */
/* MSB */
    BYTE
             supplierCharacter1;
    BYTE
              supplierCharacter2;
   BYTE
              supplierCharacter3;
                                             /* LSB */
} ZW_TARIFF_TBL_SUPPLIER_REPORT_3BYTE_FRAME;
^{\prime\star} Tariff Tbl Supplier Report 4byte command class structs ^{\star\prime}
typedef struct _ZW_TARIFF_TBL_SUPPLIER_REPORT_4BYTE_FRAME_
    BYTE
             cmdClass;
                                             /* The command class */
                                             /* The command */
    BYTE
             cmd;
                                             /* MSB */
    BYTE
              year1;
                                             /* LSB */
    BYTE
              year2;
                                             /**/
    BYTE
              month;
    BYTE
              day;
                                             /**/
    BYTE
              hourLocalTime;
                                             /**/
    BYTE
             minuteLocalTime;
              secondLocalTime;
                                             /**/
    BYTE
              currency1;
                                             /* MSB */
   BYTE
              currency2;
                                             /* LSB */
    BYTE
             currency3;
properties1;
                                             /* masked byte */
   BYTE
                                             /* MSB */
    BYTE
              standingChargeValue1;
    BYTE
              standingChargeValue2;
    BYTE
              standingChargeValue3;
                                            /* T.SB */
              standingChargeValue4;
    RYTE
                                             /* masked byte */
             properties2;
    BYTE
             properties2;
supplierCharacter1;
    BYTE
```

```
supplierCharacter2;
        supplierCharacter3;
                                /* LSB */
   BYTE
           supplierCharacter4;
} ZW_TARIFF_TBL_SUPPLIER_REPORT_4BYTE_FRAME;
/* Thermostat Fan Mode Get command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_GET_FRAME_
         cmdClass;
                                   /* The command class */
   BYTE
                                   /* The command */
   BYTE
           cmd;
} ZW THERMOSTAT FAN MODE GET FRAME;
typedef struct _ZW_THERMOSTAT_FAN_MODE_REPORT_FRAME_
        cmdClass;
cmd;
level;
   BYTE
                                    /* The command class */
                                    /* The command */
   BYTE
                                   /* masked byte */
   BYTE
} ZW_THERMOSTAT_FAN_MODE_REPORT_FRAME;
typedef struct _ZW_THERMOSTAT_FAN_MODE_SET_FRAME_
        cmdClass;
cmd;
level;
                                    /* The command class */
   BYTE
                                    /* The command */
                                    /* masked byte */
   BYTE
} ZW_THERMOSTAT_FAN_MODE_SET_FRAME;
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_FRAME_
       cmdClass;
                                    /* The command class */
   BYTE
           cmd;
                                    /* The command */
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_FRAME;
/* Thermostat Fan Mode Supported Report 1byte command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_1BYTE FRAME
   BYTE
          cmdClass;
                                    /\star The command class \star/
        cmd;
bitMask1;
                                    /* The command */
   BYTE
   BYTE
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_1BYTE_FRAME;
/* Thermostat Fan Mode Supported Report 2byte command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_2BYTE_FRAME_
          cmdClass;
                                    /* The command class */
                                    /* The command */
        cmd;
bitMask1;
bitMask2;
                                    /* MSB */
   BYTE
                                    /* LSB */
   BYTE
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_2BYTE_FRAME;
/* Thermostat Fan Mode Supported Report 3byte command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_3BYTE_FRAME_
          cmdClass;
                                    /* The command class */
                                    /* The command */
          cmd;
                                    /* MSB */
   BYTE
          bitMask1;
         bitMask2;
   BYTE
                                    /* LSB */
          bitMask3;
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_3BYTE_FRAME;
/* Thermostat Fan Mode Supported Report 4byte command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_4BYTE_FRAME_
```

```
cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
           cmd;
                                    /* MSB */
   BYTE
          bitMask1;
   BYTE
          bitMask2;
   BYTE
           bitMask3:
                                    /* LSB */
           bitMask4;
   BYTE
} ZW THERMOSTAT FAN MODE SUPPORTED REPORT 4BYTE FRAME;
/* Thermostat Fan Mode Get V2 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_GET_V2_FRAME_
          cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
           cmd;
} ZW_THERMOSTAT_FAN_MODE_GET_V2_FRAME;
/* Thermostat Fan Mode Report V2 command class structs */
/**********************
typedef struct _ZW_THERMOSTAT_FAN_MODE_REPORT_V2_FRAME_
        cmdClass;
cmd;
level;
                                    /* The command class */
   BYTE
                                    /* The command */
   BYTE
                                    /* masked byte */
} ZW_THERMOSTAT_FAN_MODE_REPORT_V2_FRAME;
/* Thermostat Fan Mode Set V2 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_SET_V2_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
   BYTE
        cmd;
level;
                                    /* masked byte */
   BYTE
} ZW THERMOSTAT FAN MODE SET V2 FRAME;
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_V2_FRAME_
       cmdClass;
cmd;
                                    /* The command class */
                                    /* The command */
   BYTE
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_V2_FRAME;
/* Thermostat Fan Mode Supported Report 1byte V2 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_1BYTE_V2_FRAME_
          cmdClass;
   BYTE
                                    /* The command class */
                                    /* The command */
         cmd;
bitMask1;
   BYTE
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_1BYTE_V2_FRAME;
/* Thermostat Fan Mode Supported Report 2byte V2 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_2BYTE_V2_FRAME_
          cmdClass;
                                    /* The command class */
   BYTE
                                    /* The command */
   BYTE
          cmd;
         bitMask1;
bitMask2;
                                    /* MSB */
   BYTE
                                    /* LSB */
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_2BYTE_V2_FRAME;
/* Thermostat Fan Mode Supported Report 3byte V2 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_3BYTE_V2_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
   BYTE
          cmd;
                                    /* MSB */
   BYTE
          bitMask1;
         bitMask2;
bitMask3;
                                    /* LSB */
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_3BYTE_V2_FRAME;
/* Thermostat Fan Mode Supported Report 4byte V2 command class structs */
```

```
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_4BYTE_V2_FRAME_
                                    /* The command class */
/* The command */
   BYTE
          cmdClass;
   BYTE
          cmd;
          bitMask1;
                                    /* MSB */
   BYTE
         bitMask2;
bitMask3;
bitMask4;
   BYTE
   BYTE
                                    /* LSB */
   BYTE
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_4BYTE_V2_FRAME;
/* Thermostat Fan Mode Get V3 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_GET_V3_FRAME_
         cmdClass;
                                   /* The command class */
                                   /* The command */
   BYTE
           cmd;
} ZW_THERMOSTAT_FAN_MODE_GET_V3_FRAME;
typedef struct _ZW_THERMOSTAT_FAN_MODE_REPORT_V3_FRAME_
          cmdClass;
                                    /\star The command class \star/
       cmd;
                                   /* The command */
   BYTE
                                   /* masked byte */
          properties1;
   BYTE
} ZW_THERMOSTAT_FAN_MODE_REPORT_V3_FRAME;
/************************
typedef struct _ZW_THERMOSTAT_FAN_MODE_SET_V3_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
        cmd;
                                    /* The command */
   BYTE
                                   /* masked byte */
           properties1;
   BYTE
} ZW_THERMOSTAT_FAN_MODE_SET_V3_FRAME;
^{\prime \star} Thermostat Fan Mode Supported Get V3 command class structs ^{\star \prime}
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_V3_FRAME_
         cmdClass;
                                    /* The command class */
                                    /* The command */
           cmd;
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_V3_FRAME;
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_1BYTE_V3_FRAME_
                                   /* The command class */
/* The command */
   BYTE
          cmdClass;
        cmd;
bitMask1;
  BYTE
   BYTE
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_1BYTE_V3_FRAME;
/* Thermostat Fan Mode Supported Report 2byte V3 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_2BYTE_V3_FRAME_
         cmdClass;
   BYTE
                                    /* The command class */
         cmd;
bitMask1;
   BYTE
                                    /* The command */
                                    /* MSB */
   BYTE
                                    /* LSB */
           bitMask2;
   BYTE
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_2BYTE_V3_FRAME;
/* Thermostat Fan Mode Supported Report 3byte V3 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_3BYTE_V3_FRAME_
                                    /\!\!\!\!\!^{\star} The command class */ /\!\!\!\!\!\!^{\star} The command */
          cmdClass;
   BYTE
          cmd;
                                    /* MSB */
   BYTE
          bitMask1;
          bitMask2;
   RYTE
                                    /* LSB */
           bitMask3;
   BYTE
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_3BYTE_V3_FRAME;
```

```
/* Thermostat Fan Mode Supported Report 4byte V3 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_4BYTE_V3_FRAME_
                                     /* The command class */
          cmdClass;
   BYTE
           cmd;
                                     /* The command */
        bitMask1;
bitMask2;
bitMask3;
                                     /* MSB */
   BYTE
   BYTE
   BYTE
                                     /* LSB */
   BYTE
           bitMask4;
} ZW THERMOSTAT FAN MODE SUPPORTED REPORT 4BYTE V3 FRAME;
typedef struct _ZW_THERMOSTAT_FAN_MODE_GET_V4_FRAME_
        cmdClass;
cmd;
                                    /* The command class */
                                     /* The command */
   BYTE
} ZW_THERMOSTAT_FAN_MODE_GET_V4_FRAME;
/* Thermostat Fan Mode Report V4 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_REPORT_V4_FRAME_
          cmdClass;
                                     /* The command class */
   BYTE cmd;
BYTE properties1;
                                    /* The command */
                                    /* masked byte */
} ZW_THERMOSTAT_FAN_MODE_REPORT_V4_FRAME;
/* Thermostat Fan Mode Set V4 command class structs ^{*}/
typedef struct _ZW_THERMOSTAT_FAN_MODE_SET_V4_FRAME_
                                    /* The command class */
   BYTE
           cmdClass:
        cmd;
                                    /* The command */
   BYTE
                                    /* masked byte */
           properties1;
} ZW_THERMOSTAT_FAN_MODE_SET_V4_FRAME;
/* Thermostat Fan Mode Supported Get V4 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_V4_FRAME_
         cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
           cmd:
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_V4_FRAME;
^{\prime \star} Thermostat Fan Mode Supported Report 1byte V4 command class structs ^{\star \prime}
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_1BYTE_V4_FRAME_
        cmdClass;
                                     /* The command class */
       cmd;
bitMask1;
                                     /* The command */
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_1BYTE_V4_FRAME;
/* Thermostat Fan Mode Supported Report 2byte V4 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_2BYTE_V4_FRAME_
        cmdClass;
                                     /* The command class */
   BYTE
         cmd;
bitMask1;
bitMask2;
   BYTE
                                     /* The command */
                                     /* MSB */
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_2BYTE_V4_FRAME;
/* Thermostat Fan Mode Supported Report 3byte V4 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_3BYTE_V4_FRAME_
          cmdClass;
                                     /* The command class */
   BYTE
                                     /* The command */
   BYTE
          cmd;
          bitMask1;
                                     /* MSB */
```

```
bitMask2;
bitMask3;
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_3BYTE_V4_FRAME;
  /* Thermostat Fan Mode Supported Report 4byte V4 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_4BYTE_V4_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
         bitMask1;
bitMask2;
bitMask3;
bitMask4;
                                       /* MSB */
   BYTE
   BYTE
                                       /* LSB */
   BYTE
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_4BYTE_V4_FRAME;
/* Thermostat Fan State Get command class structs */
typedef struct _ZW_THERMOSTAT_FAN_STATE_GET_FRAME_
        cmdClass;
cmd;
   BYTE
                                      /* The command class */
                                      /* The command */
} ZW THERMOSTAT FAN STATE GET FRAME;
/* Thermostat Fan State Report command class structs */
typedef struct _ZW_THERMOSTAT_FAN_STATE_REPORT_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
   BYTE cmd;
BYTE level;
                                       /* The command */
                                       /* masked byte */
} ZW_THERMOSTAT_FAN_STATE_REPORT_FRAME;
/* Thermostat Fan State Get V2 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_STATE_GET_V2_FRAME
          cmdClass;
                                      /* The command class */
/* The command */
} ZW_THERMOSTAT_FAN_STATE_GET_V2_FRAME;
/* Thermostat Fan State Report V2 command class structs */
typedef struct _ZW_THERMOSTAT_FAN_STATE_REPORT_V2_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
                                       /* The command */
   BYTE
         cmd;
level;
                                       /* masked byte */
} ZW_THERMOSTAT_FAN_STATE_REPORT_V2_FRAME;
typedef struct _ZW_THERMOSTAT_HEATING_STATUS_REPORT_FRAME_
         cmdClass;
   BYTE
                                       /* The command class */
         cmd;
                                       /* The command */
   BYTE
   BYTE
            status;
} ZW_THERMOSTAT_HEATING_STATUS_REPORT_FRAME;
/* Thermostat Heating Mode Get command class structs */
typedef struct _ZW_THERMOSTAT_HEATING_MODE_GET_FRAME_
         cmdClass;
cmd;
                                      /* The command class */
/* The command */
   BYTE
} ZW_THERMOSTAT_HEATING_MODE_GET_FRAME;
/* Thermostat Heating Mode Report command class structs */
typedef struct _ZW_THERMOSTAT_HEATING_MODE_REPORT_FRAME_
   BYTE
          cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
```

```
BYTE
          mode;
} ZW_THERMOSTAT_HEATING_MODE_REPORT_FRAME;
typedef struct _ZW_THERMOSTAT_HEATING_MODE_SET_FRAME
          cmdClass;
                                   /* The command */
   RYTE
          cmd;
   BYTE
          mode;
} ZW_THERMOSTAT_HEATING_MODE_SET_FRAME;
/************************
typedef struct _ZW_THERMOSTAT_HEATING_RELAY_STATUS_GET_FRAME_
       cmdClass;
cmd;
                                   /* The command class */
                                   /* The command */
} ZW_THERMOSTAT_HEATING_RELAY_STATUS_GET_FRAME;
/st Thermostat Heating Relay Status Report command class structs st/
typedef struct _ZW_THERMOSTAT_HEATING_RELAY_STATUS_REPORT_FRAME_
                                   /* The command class */
   BYTE
          cmdClass:
                                   /* The command */
        cmd;
relayStatus;
   BYTE
} ZW_THERMOSTAT_HEATING_RELAY_STATUS_REPORT_FRAME;
typedef struct _ZW_THERMOSTAT_HEATING_SETPOINT_GET_FRAME_
                                   /* The command class */
/* The command */
          cmdClass;
   BYTE
       cmd;
setpointNr;
   BYTE
   BYTE
} ZW_THERMOSTAT_HEATING_SETPOINT_GET_FRAME;
/* Thermostat Heating Setpoint Report 1byte command class structs */
/***********************/
typedef struct _ZW_THERMOSTAT_HEATING_SETPOINT_REPORT_1BYTE_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
                                   /* The command */
   BYTE
          cmd;
                                   /**/
          setpointNr;
   RYTE
         properties1;
                                   /* masked byte */
   BYTE
   BYTE
           value1;
} ZW_THERMOSTAT_HEATING_SETPOINT_REPORT_1BYTE_FRAME;
/* Thermostat Heating Setpoint Report 2byte command class structs */
typedef struct _ZW_THERMOSTAT_HEATING_SETPOINT_REPORT_2BYTE_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
                                   ^{\prime} /* The command */
   BYTE
          cmd;
                                   /**/
          setpointNr;
   BYTE
                                   /* masked byte */
          properties1;
   BYTE
                                   /* MSB */
   BYTE
          value1;
         value2;
                                   /* LSB */
} ZW_THERMOSTAT_HEATING_SETPOINT_REPORT_2BYTE_FRAME;
/* Thermostat Heating Setpoint Report 3byte command class structs */
typedef struct _ZW_THERMOSTAT_HEATING_SETPOINT_REPORT_3BYTE_FRAME_
                                   /* The command class */
/* The command */
   BYTE
          cmdClass;
   BYTE
          cmd;
                                   /**/
   BYTE
          setpointNr;
                                   /* masked byte */
   BYTE
          properties1;
   BYTE
   BYTE
          value2;
                                   /* LSB */
   BYTE
          value3;
} ZW_THERMOSTAT_HEATING_SETPOINT_REPORT_3BYTE_FRAME;
```

```
/* Thermostat Heating Setpoint Report 4byte command class structs */
typedef struct _ZW_THERMOSTAT_HEATING_SETPOINT_REPORT_4BYTE_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
   BYTE
          cmd;
          setpointNr;
                                    /* masked byte */
   BYTE
          properties1;
                                    /* MSB */
   BYTE
           value1:
   BYTE
          value2;
         value3;
   BYTE
           value4;
} ZW_THERMOSTAT_HEATING_SETPOINT_REPORT_4BYTE_FRAME;
typedef struct _ZW_THERMOSTAT_HEATING_SETPOINT_SET_1BYTE_FRAME
                                    /* The command class */
/* The command */
   BYTE
          cmdClass;
   BYTE
          cmd;
          setpointNr;
   BYTE
         properties1;
                                    /* masked byte */
   BYTE
           value1;
} ZW_THERMOSTAT_HEATING_SETPOINT_SET_1BYTE_FRAME;
typedef struct _ZW_THERMOSTAT_HEATING_SETPOINT_SET_2BYTE_FRAME_
                                    /* The command class */
/* The command */
   BYTE
          cmdClass;
   BYTE
          cmd;
         setpointNr;
properties1;
                                    /**/
   BYTE
                                    /* masked byte */
   BYTE
                                    /* MSB */
   BYTE
       value2;
           value1;
   BYTE
} ZW_THERMOSTAT_HEATING_SETPOINT_SET_2BYTE_FRAME;
/* Thermostat Heating Setpoint Set 3byte command class structs */
typedef struct _ZW_THERMOSTAT_HEATING_SETPOINT_SET_3BYTE_FRAME_
          cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
          cmd;
   BYTE
          setpointNr;
                                    /**/
          properties1;
                                    /* masked byte */
   BYTE
                                    /* MSB */
   RYTE
          value1;
        value2;
   BYTE
                                    /* LSB */
   BYTE
           value3;
} ZW_THERMOSTAT_HEATING_SETPOINT_SET_3BYTE_FRAME;
/* Thermostat Heating Setpoint Set 4byte command class structs */
typedef struct _ZW_THERMOSTAT_HEATING_SETPOINT_SET_4BYTE_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
          cmd;
                                    /**/
          setpointNr;
   BYTE
          properties1;
                                    /* masked byte */
   BYTE
                                    /* MSB */
          value1;
   BYTE
           value2;
         value3;
   BYTE
                                    /* LSB */
   BYTE
          value4;
} ZW_THERMOSTAT_HEATING_SETPOINT_SET_4BYTE_FRAME;
/* Thermostat Heating Status Get command class structs */
typedef struct _ZW_THERMOSTAT_HEATING_STATUS_GET_FRAME_
        cmdClass;
                                   /* The command class */
   BYTE
           cmd;
                                   /* The command */
} ZW_THERMOSTAT_HEATING_STATUS_GET_FRAME;
```

```
typedef struct _ZW_THERMOSTAT_HEATING_STATUS_SET_FRAME_
                                  /* The command class */
   BYTE
          cmdClass;
                                  /* The command */
         cmd;
   BYTE
  BYTE
          status;
} ZW_THERMOSTAT_HEATING_STATUS_SET_FRAME;
/* Thermostat Heating Timed Off Set command class structs */
typedef struct _ZW_THERMOSTAT_HEATING_TIMED_OFF_SET_FRAME_
   BYTE
          cmdClass;
                                  /* The command class */
                                  /* The command */
   BYTE
          cmd;
  BYTE
          minutes;
  BYTE
          hours;
} ZW THERMOSTAT HEATING TIMED OFF SET FRAME;
typedef struct _ZW_THERMOSTAT_MODE_GET_FRAME_
         cmdClass;
                                  /* The command class */
          cmd;
                                  /* The command */
} ZW_THERMOSTAT_MODE_GET_FRAME;
typedef struct _ZW_THERMOSTAT_MODE_REPORT_FRAME_
  BYTE
          cmdClass;
                                  /\,\star\, The command class \,\star\,/\,
                                  /* The command */
  BYTE
        cmd;
level;
  BYTE
                                  /* masked byte */
} ZW THERMOSTAT MODE REPORT FRAME;
typedef struct _ZW_THERMOSTAT_MODE_SET_FRAME_
   BYTE
         cmdClass;
                                  /* The command class */
        cmd;
                                  /* The command */
  BYTE
                                  /* masked byte */
  BYTE
          level;
} ZW_THERMOSTAT_MODE_SET_FRAME;
/* Thermostat Mode Supported Get command class structs */
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_GET_FRAME_
         cmdClass;
cmd;
                                  /* The command class */
                                  /* The command */
} ZW_THERMOSTAT_MODE_SUPPORTED_GET_FRAME;
/* Thermostat Mode Supported Report 1byte command class structs */
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_1BYTE_FRAME
          cmdClass;
                                  /* The command class */
   BYTE
                                  /* The command */
  BYTE
          cmd;
         bitMask1;
   BYTE
} ZW THERMOSTAT MODE SUPPORTED REPORT 1BYTE FRAME;
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_2BYTE_FRAME_
         cmdClass;
                                  /* The command class */
  BYTE
                                  /* The command */
  BYTE
          cmd;
          bitMask1;
                                  /* MSB */
   BYTE
                                  /* LSB
          bitMask2;
  BYTE
} ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_2BYTE_FRAME;
/* Thermostat Mode Supported Report 3byte command class structs */
/************************/
typedef struct ZW THERMOSTAT MODE SUPPORTED REPORT 3BYTE FRAME
```

```
{
   BYTE
         cmdClass;
                                  /* The command class */
  BYTE
          cmd;
                                  /* The command */
                                 /* MSB */
          bitMask1;
  BYTE
          bitMask2;
  BYTE
                                 /* LSB */
          bitMask3;
  BYTE
} ZW THERMOSTAT MODE SUPPORTED REPORT 3BYTE FRAME;
// Thermostat Mode Supported Report 4byte command class structs */
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_4BYTE_FRAME
   BYTE
         cmdClass;
                                 /* The command class */
                                 /* The command */
  BYTE
          cmd;
        bitMask1;
bitMask2;
bitMask3;
bitMask4;
                                 /* MSB */
  BYTE
  BYTE
                                 /* LSB */
} ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_4BYTE_FRAME;
typedef struct _ZW_THERMOSTAT_MODE_GET_V2_FRAME_
         cmdClass;
                                 /* The command class */
  BYTE
                                 /* The command */
  BYTE
          cmd:
} ZW_THERMOSTAT_MODE_GET_V2_FRAME;
/* Thermostat Mode Report V2 command class structs */
typedef struct _ZW_THERMOSTAT_MODE_REPORT_V2_FRAME_
   BYTE
         cmdClass;
                                 /* The command class */
       cmd;
                                 /* The command */
  BYTE
                                 /* masked byte */
  BYTE
          level;
} ZW_THERMOSTAT_MODE_REPORT_V2_FRAME;
typedef struct _ZW_THERMOSTAT_MODE_SET_V2_FRAME_
         cmdClass;
                                 /* The command class */
  BYTE cmd;
BYTE level;
                                 /* The command */
} ZW_THERMOSTAT_MODE_SET_V2_FRAME;
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_GET_V2_FRAME_
        cmdClass;
                                 /* The command class */
                                 /* The command */
          cmd:
} ZW THERMOSTAT MODE SUPPORTED GET V2 FRAME;
/* Thermostat Mode Supported Report 1byte V2 command class structs */
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_1BYTE_V2_FRAME_
         cmdClass;
                                 /* The command class */
        cmd;
bitMask1;
                                 /* The command */
  BYTE
} ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_1BYTE_V2_FRAME;
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_2BYTE_V2_FRAME_
        cmdClass;
                                 /* The command class */
  BYTE
                                 /* The command */
   BYTE
          cmd;
        bitMask1;
  BYTE
          bitMask2;
} ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_2BYTE_V2_FRAME;
```

```
/\star Thermostat Mode Supported Report 3byte V2 command class structs \star/
typedef struct ZW THERMOSTAT MODE SUPPORTED REPORT 3BYTE V2 FRAME
                                      /* The command class */
           cmdClass;
                                      /* The command */
   BYTE
           cmd;
         cma;
bitMask1;
bitMask2;
bitMask3;
                                      /* MSB */
   BYTE
                                      /* LSB */
   BYTE
} ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_3BYTE_V2_FRAME;
/* Thermostat Mode Supported Report 4byte V2 command class structs */
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_4BYTE_V2_FRAME_
          cmdClass;
                                      /* The command class */
          cmd;
bitMask1;
   BYTE
                                      /* The command */
                                      /* MSB */
   BYTE
   BYTE
           bitMask2;
         bitMask3;
   BYTE
                                      /* LSB */
   BYTE
           bitMask4;
} ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_4BYTE_V2_FRAME;
/* Thermostat Mode Get V3 command class structs */
typedef struct _ZW_THERMOSTAT_MODE_GET_V3_FRAME_
         cmdClass;
cmd;
                                     /* The command class */
   BYTE
} ZW_THERMOSTAT_MODE_GET_V3_FRAME;
typedef struct _ZW_THERMOSTAT_MODE_REPORT_1BYTE_V3_FRAME_
           cmdClass;
                                      /* The command class */
   BYTE
         cmd;
level;
                                      /* The command */
   BYTE
                                      /* masked byte */
           manufacturerData1;
} ZW_THERMOSTAT_MODE_REPORT_1BYTE_V3_FRAME;
typedef struct _ZW_THERMOSTAT_MODE_REPORT_2BYTE_V3_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
       cmd;
level;
manufacturerDatal;
manufacturerData2;
                                      /* The command */
   BYTE
                                     /* masked byte */
   BYTE
                                      /* LSB */
   BYTE
} ZW_THERMOSTAT_MODE_REPORT_2BYTE_V3_FRAME;
/* Thermostat Mode Report 3byte V3 command class structs */
typedef struct _ZW_THERMOSTAT_MODE_REPORT_3BYTE_V3_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
         cmd;
level;
manufacturerData1;
manufacturerData2;
manufacturerData3.
                                     /* The command */
   BYTE
                                     /* masked byte */
   BYTE
   BYTE
           manufacturerData3;
                                     /* LSB */
} ZW_THERMOSTAT_MODE_REPORT_3BYTE_V3_FRAME;
/************************
typedef struct _ZW_THERMOSTAT_MODE_REPORT_4BYTE_V3_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
          cmd;
level;
                                     /* The command */
   BYTE
                                     /* masked byte */
   BYTE
                                     /* MSB */
   BYTE
           manufacturerDatal;
          manufacturerData2;
manufacturerData3;
   BYTE
   BYTE
                                     /* LSB */
           manufacturerData4;
```

```
} ZW THERMOSTAT MODE REPORT 4BYTE V3 FRAME;
typedef struct _ZW_THERMOSTAT_MODE_SET_1BYTE_V3_FRAME_
   BYTE
          cmdClass;
                                    /\star The command class \star/
         cmd;
level;
                                    /* The command */
   BYTE
                                   /* masked byte */
   RYTE
          manufacturerData1;
   BYTE
} ZW_THERMOSTAT_MODE_SET_1BYTE_V3_FRAME;
typedef struct _ZW_THERMOSTAT_MODE_SET_2BYTE_V3_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
         cmd;
cmd;
level;
manufacturerDatal;
                                    /* The command */
/* masked byte */
   BYTE
   BYTE
                                    /* MSB */
   BYTE
           manufacturerData2;
                                    /* LSB */
   BYTE
} ZW_THERMOSTAT_MODE_SET_2BYTE_V3_FRAME;
typedef struct _ZW_THERMOSTAT_MODE_SET_3BYTE_V3_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
        cmd;
level;
manufacturerDatal;
manufacturerData2;
manufacturerData3;
                                    /* The command */
   BYTE
                                    /* masked byte */
   BYTE
                                   /* MSB */
   BYTE
   BYTE
                                   /* LSB */
} ZW_THERMOSTAT_MODE_SET_3BYTE_V3_FRAME;
typedef struct _ZW_THERMOSTAT_MODE_SET_4BYTE_V3_FRAME_
   BYTE
                                    /* The command class */
          cmdClass;
         cmd;
level;
                                    /* The command */
   BYTE
                                   /* masked byte */
   BYTE
        manufacturerDatal;
manufacturerData2;
manufacturerData3;
manufacturerData4;
                                    /* MSB */
   BYTE
   BYTE
   BYTE
                                   /* T.SB */
   BYTE
} ZW_THERMOSTAT_MODE_SET_4BYTE_V3_FRAME;
/* Thermostat Mode Supported Get V3 command class structs */
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_GET_V3_FRAME_
   BYTE cmdClass;
                                    /* The command class */
           cmd;
                                    /* The command */
} ZW_THERMOSTAT_MODE_SUPPORTED_GET_V3_FRAME;
/* Thermostat Mode Supported Report 1byte V3 command class structs */
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_1BYTE_V3_FRAME_
                                    /* The command class */
/* The command */
          cmdClass;
   BYTE
       cmd;
bitMask1;
   BYTE
} ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_1BYTE_V3_FRAME;
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_2BYTE_V3_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
         cmd;
bitMask1;
   BYTE
                                    /* The command */
                                    /* MSB */
   BYTE
                                    /* LSB */
           bitMask2;
} ZW THERMOSTAT MODE SUPPORTED REPORT 2BYTE V3 FRAME;
```

```
/************************
/* Thermostat Mode Supported Report 3byte V3 command class structs */
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_3BYTE_V3_FRAME_
          cmdClass;
                                    /* The command class */
        cmdclass;
cmd;
bitMask1;
bitMask2;
   BYTE
                                    /* The command */
                                    /* MSB */
   BYTE
   BYTE
          bitMask3;
                                    /* LSB */
   BYTE
} ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_3BYTE_V3_FRAME;
/* Thermostat Mode Supported Report 4byte V3 command class structs */
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_4BYTE V3 FRAME
   BYTE
          cmdClass;
                                    /* The command class */
       cmd;
bitMask1;
bitMask2;
bitMask3;
   BYTE
                                    /* The command */
                                    /* MSB */
   BYTE
   BYTE
   BYTE
                                    /* LSB */
} ZW THERMOSTAT MODE SUPPORTED REPORT 4BYTE V3 FRAME;
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_GET_FRAME_
         cmdClass;
                                   /* The command class */
                                   /* The command */
   BYTE
          cmd;
} ZW_THERMOSTAT_OPERATING_STATE_GET_FRAME;
/st Thermostat Operating State Report command class structs st/
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_REPORT_FRAME_
        cmdClass;
                                    /* The command class */
  BYTE
       cmd;
level;
                                   /* The command */
  BYTE
                                    /* masked byte */
} ZW_THERMOSTAT_OPERATING_STATE_REPORT_FRAME;
/* Thermostat Operating State Get V2 command class structs */
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_GET_V2_FRAME_
        cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
           cmd;
} ZW_THERMOSTAT_OPERATING_STATE_GET_V2_FRAME;
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_REPORT V2 FRAME
       cmdClass;
cmd;
properties1;
   BVTF
                                    /* The command class */
                                    /* The command */
   BYTE
                                   /* masked byte */
  BYTE
} ZW_THERMOSTAT_OPERATING_STATE_REPORT_V2_FRAME;
/* Thermostat Operating State Logging Supported Get V2 command class structs */
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_LOGGING_SUPPORTED_GET_V2_FRAME_
         cmdClass;
cmd;
                                   /* The command class */
} ZW_THERMOSTAT_OPERATING_STATE_LOGGING_SUPPORTED_GET_V2_FRAME;
^{\prime\prime} Thermostat Operating Logging Supported Report 1byte V2 command class structs ^{*\prime}
typedef struct _ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_1BYTE_V2_FRAME_
          cmdClass;
                                   /* The command class */
   BYTE
                                   /* The command */
   BYTE
         cmd;
bitMask1;
```

```
} ZW THERMOSTAT OPERATING LOGGING SUPPORTED REPORT 1BYTE V2 FRAME;
/* Thermostat Operating Logging Supported Report 2byte V2 command class structs */
/*************/
typedef struct _ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_2BYTE_V2_FRAME_
                                       /* The command class */
/* The command */
   BYTE
            cmdClass;
         cmd;
bitMask1;
   BYTE
                                       /* MSB */
   RYTE
                                        /* LSB */
            bitMask2;
   BYTE
} ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_2BYTE_V2_FRAME;
/* Thermostat Operating Logging Supported Report 3byte V2 command class structs */
typedef struct _ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_3BYTE_V2_FRAME_
                                        /* The command class */
   BYTE
           cmdClass;
   BYTE
                                        /* The command */
            cmd;
                                        /* MSB */
          bitMask1;
bitMask2;
   BYTE
   BYTE
            bitMask3;
                                        /* LSB */
   BYTE
} ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_3BYTE_V2_FRAME;
/* Thermostat Operating Logging Supported Report 4byte V2 command class structs */
typedef struct _ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_4BYTE_V2_FRAME_
   BYTE
           cmdClass;
                                        /* The command class */
                                       /* The command */
   BYTE
           cmd;
           bitMask1;
bitMask2;
                                       /* MSB */
   BYTE
   BYTE
         bitMask3;
bitMask4;
   BYTE
                                       /* LSB */
} ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_4BYTE_V2_FRAME;
/

/* Thermostat Operating State Logging Get 1byte V2 command class structs */

/****************/
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_LOGGING_GET_1BYTE_V2_FRAME_
          cmdClass;
                                       /* The command class */
   BYTE
                                       /* The command */
        cmd;
bitMask1;
   BYTE
} ZW THERMOSTAT OPERATING STATE LOGGING GET 1BYTE V2 FRAME;
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_LOGGING_GET_2BYTE_V2_FRAME_
         cmdClass;
cmd;
bitMask1;
bitMask2;
                                        /* The command class */
   BYTE
                                        /* The command */
   BYTE
                                       /* MSB */
   BYTE
                                        /* LSB */
   BYTE
            bitMask2:
} ZW_THERMOSTAT_OPERATING_STATE_LOGGING_GET_2BYTE_V2_FRAME;
/* Thermostat Operating State Logging Get 3byte V2 command class structs */
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_LOGGING_GET_3BYTE_V2_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
        cmdClass;
cmd;
bitMask1;
bitMask2;
                                        ^{\prime} /* The command */
   BYTE
                                       /* MSB */
   BYTE
   BYTE
            bitMask3;
                                        /* LSB */
   BYTE
} ZW_THERMOSTAT_OPERATING_STATE_LOGGING_GET_3BYTE_V2_FRAME;
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_LOGGING_GET_4BYTE_V2_FRAME_
   BYTE
           cmdClass;
                                        /* The command class */
           cmd;
bitMask1;
bitMask2;
                                        /* The command */
   BYTE
                                        /* MSB */
   BYTE
   BYTE
            bitMask3;
```

```
bitMask4;
                                                   /* LSB */
} ZW_THERMOSTAT_OPERATING_STATE_LOGGING_GET_4BYTE_V2_FRAME;
/* Thermostat Operating State Logging Report V2 variant group structs */
typedef struct _VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_V2 VG
                                                   /* masked byte */
              properties1;
    RYTE
               usageTodayHours;
               usageTodayMinutes;
                                                   /**/
    BYTE
             usageYesterdayHours;
    BYTE
                usageYesterdayMinutes;
} VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_V2_VG;
   /

/* Thermostat Operating State Logging Report 1byte V2 command class structs */

/*************/
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_1BYTE_V2_FRAME_
                                                  /* The command class */
/* The command */
               cmdClass;
    BYTE
    BYTE
               cmd;
    BYTE
                reportsToFollow;
     VG THERMOSTAT OPERATING STATE LOGGING REPORT V2 VG variantgroup1;
} ZW THERMOSTAT OPERATING STATE LOGGING REPORT 1BYTE V2 FRAME;
/

* Thermostat Operating State Logging Report 2byte V2 command class structs */

/************/
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_2BYTE_V2_FRAME_
                                                   /* The command class */
               cmdClass;
              cmd;
                                                   /* The command */
    BYTE
                reportsToFollow;
    VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_V2_VG_variantgroup1;
VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_V2_VG_variantgroup2;
} ZW_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_2BYTE_V2_FRAME;
/

* Thermostat Operating State Logging Report 3byte V2 command class structs */

/************/
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_3BYTE_V2_FRAME_
                                                   /* The command class */
    BYTE
               cmdClass;
              cmd;
                                                   /* The command */
    BYTE
                reportsToFollow;
VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_V2_VG variantgroup1;
VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_V2_VG variantgroup2;
VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_V2_VG variantgroup3;
} ZW_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_3BYTE_V2_FRAME;
./* Thermostat Operating State Logging Report 4byte V2 command class structs */
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_4BYTE_V2_FRAME_
                                                  /* The command class */
/* The command */
    BYTE
               cmdClass:
             cmd;
reportsToFollow;
                                                   /**/
    VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_V2_VG variantgroup1;
VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_V2_VG variantgroup2;
VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_V2_VG variantgroup3;
VG_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_V2_VG variantgroup4;
} ZW_THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_4BYTE_V2_FRAME;
/* Thermostat Setback Get command class structs */
typedef struct _ZW_THERMOSTAT_SETBACK_GET FRAME
                                                  /* The command class */
/* The command */
            cmdClass;
cmd;
    BYTE
} ZW_THERMOSTAT_SETBACK_GET_FRAME;
/* Thermostat Setback Report command class structs */
typedef struct _ZW_THERMOSTAT_SETBACK_REPORT_FRAME_
                                                   /* The command class */
    BYTE
               cmdClass;
                                                   /* The command */
    BYTE
               cmd;
```

```
properties1;
                                  /* masked byte */
          setbackState;
} ZW_THERMOSTAT_SETBACK_REPORT_FRAME;
/* Thermostat Setback Set command class structs */
typedef struct _ZW_THERMOSTAT_SETBACK_SET_FRAME_
  BYTE
                                  /* The command class */
          cmdClass;
                                  /* The command */
  BYTE
          cmd;
                                  /* masked byte */
         properties1;
  BYTE
          setbackState;
} ZW_THERMOSTAT_SETBACK_SET_FRAME;
  typedef struct _ZW_THERMOSTAT_SETPOINT_GET_FRAME_
                                  /* The command class */
  BYTE
          cmdClass;
                                  /* The command */
        cmd;
level;
  BYTE
                                  /* masked byte */
  BYTE
} ZW_THERMOSTAT_SETPOINT_GET_FRAME;
/* Thermostat Setpoint Report 1byte command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT 1BYTE FRAME
   BYTE
          cmdClass;
                                  /* The command class */
         cmd;
level;
level2;
                                  /* The command */
  BYTE
                                  /* masked byte */
  BYTE
                                  /* masked byte */
  BYTE
  BYTE
          value1;
} ZW_THERMOSTAT_SETPOINT_REPORT_1BYTE_FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_2BYTE_FRAME_
   BYTE
          cmdClass;
                                  /* The command class */
                                  /* The command */
  BYTE
          cmd;
                                  /* masked byte */
  BYTE
          level;
                                  /* masked byte */
          level2;
   BYTE
                                  /* MSB */
  BYTE
          value1;
         value2;
} ZW_THERMOSTAT_SETPOINT_REPORT_2BYTE_FRAME;
/* Thermostat Setpoint Report 3byte command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_FRAME_
                                  /* The command class */
   BYTE
          cmdClass;
                                  /* The command */
  BYTE
          cmd:
                                  /* masked byte */
  BYTE
          level;
                                  /* masked byte */
   BYTE
          level2;
   BYTE
          value1;
                                  /* MSB */
  BYTE
          value2;
                                  /* LSB */
  BYTE
          value3;
} ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_FRAME;
/* Thermostat Setpoint Report 4byte command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_4BYTE_FRAME_
          cmdClass;
                                  /* The command class */
                                  /* The command */
          cmd;
                                  /* masked byte */
   BYTE
          level;
                                  /* masked byte */
  BYTE
          level2;
                                  /* MSB */
   BYTE
          value1:
  BYTE
          value2;
         value3;
value4;
   BYTE
} ZW_THERMOSTAT_SETPOINT_REPORT_4BYTE_FRAME;
/* Thermostat Setpoint Set 1byte command class structs */
```

```
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_1BYTE_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
          cmd;
level;
level2;
value1;
                                       /* The command */
   BYTE
                                       /* masked byte */
   BYTE
                                       /* masked byte */
} ZW_THERMOSTAT_SETPOINT_SET_1BYTE_FRAME;
/* Thermostat Setpoint Set 2byte command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_2BYTE_FRAME_
                                       /\!\!\!\!\!^{\star} The command class */ /\!\!\!\!\!\!^{\star} The command */
   BYTE
           cmdClass;
          cmd;
level;
level2;
   BYTE
   BYTE
                                       /* masked byte */
   BYTE
                                       /* masked byte */
         value1;
value2;
   BYTE
                                       /* MSB */
                                       /* LSB */
   BYTE
} ZW_THERMOSTAT_SETPOINT_SET_2BYTE_FRAME;
/* Thermostat Setpoint Set 3byte command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_3BYTE_FRAME_
           cmdClass;
                                       /* The command class */
                                       /* The command */
           cmd;
           level;
level2;
                                       /* masked byte */
   BYTE
                                       /* masked byte */
   BYTE
                                       /* MSB */
           value1;
   BYTE
         value2;
   BYTE
                                       /* LSB */
   BYTE
            value3;
} ZW_THERMOSTAT_SETPOINT_SET_3BYTE_FRAME;
/***********************
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_4BYTE_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
                                       /* masked byte */
           level;
level2;
   BYTE
                                       /* masked byte */
   BYTE
                                       /* MSB */
   BYTE
           value1;
   BYTE
           value2;
          value3;
value4;
   BYTE
                                       /* LSB */
   BYTE
} ZW_THERMOSTAT_SETPOINT_SET_4BYTE_FRAME;
/* Thermostat Setpoint Supported Get command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_GET_FRAME_
         cmdClass;
                                       /* The command class */
            cmd;
                                       /* The command */
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_GET_FRAME;
/* Thermostat Setpoint Supported Report 1byte command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_1BYTE_FRAME_
                                       /* The command class */
/* The command */
   BYTE
           cmdClass;
           cmd:
        Cmu,
bitMask1;
   BYTE
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_1BYTE_FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_2BYTE_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
          cmd;
bitMask1;
   BYTE
                                       /* The command */
                                       /* MSB */
   BYTE
                                        /* LSB */
            bitMask2;
   BYTE
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_2BYTE_FRAME;
```

```
/***********************
/* Thermostat Setpoint Supported Report 3byte command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_FRAME_
         cmdClass;
                                      /* The command class */
        cmd;
bitMask1;
bitMask2;
bitMask3;
   BYTE
                                      /* The command */
                                      /* MSB */
   BYTE
   BYTE
                                      /* LSB */
   BYTE
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_4BYTE_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
       cmd;
bitMask1;
bitMask2;
bitMask3;
bitMask4;
   BYTE
                                      /* The command */
                                      /* MSB */
   BYTE
   BYTE
   BYTE
                                      /* LSB */
} ZW THERMOSTAT SETPOINT SUPPORTED REPORT 4BYTE FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_GET_V2_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
   BYTE cmd;
BYTE level;
                                      /* The command */
                                      /* masked byte */
} ZW_THERMOSTAT_SETPOINT_GET_V2_FRAME;
/* Thermostat Setpoint Report 1byte V2 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_1BYTE_V2_FRAME
           cmdClass;
                                      /\,^{\star} The command class ^{\star}/\,
         cmd;
level;
level2;
                                      /* The command */
   BYTE
                                      /* masked byte */
   BYTE
                                      /* masked byte */
   BYTE
            value1:
} ZW THERMOSTAT SETPOINT REPORT 1BYTE V2 FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_2BYTE_V2 FRAME
       cmdClass;
cmd;
level;
level2;
value1;
value2;
                                      /* The command class */
   BYTE
                                      /* The command */
/* masked byte */
   BYTE
   BYTE
                                      /* masked byte */
   BYTE
                                      /* MSB */
                                      /* LSB */
} ZW_THERMOSTAT_SETPOINT_REPORT_2BYTE_V2_FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_V2_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
          cmd;
level;
level2;
   BYTE
                                      /* masked byte */
   BYTE
                                      /* masked byte */
   BYTE
        value1;
value2;
                                      /* MSB */
   BYTE
                                      /* LSB */
   BYTE
           value3;
} ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_V2_FRAME;
,
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_4BYTE_V2_FRAME_
         cmdClass;
   BYTE
                                      /* The command class */
```

```
cmd;
                                       /* The command */
            level;
                                        /* masked byte */
   BYTE
                                       /* masked byte */
   BYTE
            level2;
                                       /* MSB */
   BYTE
           value1;
   BYTE
            value2;
   BYTE
           value3;
           value4;
} ZW_THERMOSTAT_SETPOINT_REPORT_4BYTE_V2_FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_1BYTE_V2_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
                                       /* The command */
/* masked byte */
          cmd;
level;
level2;
value1;
   BYTE
   BYTE
                                       /* masked byte */
} ZW_THERMOSTAT_SETPOINT_SET_1BYTE_V2_FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_2BYTE_V2_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
          cmd;
level;
level2;
value1;
value2;
                                       /* The command */
   BYTE
                                       /* masked byte */
   BYTE
                                       /* masked byte */
   BYTE
                                       /* MSB */
   BYTE
                                       /* LSB */
   BYTE
} ZW_THERMOSTAT_SETPOINT_SET_2BYTE_V2_FRAME;
/* Thermostat Setpoint Set 3byte V2 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_3BYTE_V2_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
           cmd;
level;
level2;
                                       /* The command */
                                       /* masked byte */
                                       /* masked byte */
   BYTE
                                       /* MSB */
   BYTE
           value1;
          value2;
   BYTE
                                       /* LSB */
            value3;
} ZW THERMOSTAT SETPOINT SET 3BYTE V2 FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_4BYTE_V2_FRAME_
          cmdClass;
                                       /* The command class */
   BYTE
                                       /* The command */
/* masked byte */
           cmd;
level;
   BYTE
   BYTE
                                       /* masked byte */
   BYTE
           level2:
                                       /* MSB */
   BYTE
           value1;
           value2;
          value3;
   BYTE
   BYTE
           value4;
} ZW_THERMOSTAT_SETPOINT_SET_4BYTE_V2_FRAME;
/* Thermostat Setpoint Supported Get V2 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_GET_V2_FRAME_
          cmdClass;
   BYTE
                                       /* The command class */
                                        /* The command */
            cmd;
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_GET_V2_FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_1BYTE_V2_FRAME_
                                       /\,^{\star} The command class ^{\star}/\,
   BYTE
           cmdClass;
                                       /* The command */
   BYTE
            cmd;
            bitMask1;
   BYTE
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_1BYTE_V2_FRAME;
```

```
/* Thermostat Setpoint Supported Report 2byte V2 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_2BYTE_V2_FRAME_
         cmdClass;
                                     /* The command class */
   BYTE
           cmd;
                                     /* The command */
       bitMask1;
                                     /* MSB */
   BYTE
                                     /* LSB */
   BYTE
           bitMask2;
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_2BYTE_V2_FRAME;
/* Thermostat Setpoint Supported Report 3byte V2 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_V2_FRAME_
          cmdClass;
                                    /* The command class */
        cmd;
bitMask1;
bitMask2;
bitMask3:
                                    /* The command */
   BYTE
   BYTE
                                    /* MSB */
   BYTE
                                     /* LSB */
   BYTE
           bitMask3;
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_V2_FRAME;
/* Thermostat Setpoint Supported Report 4byte V2 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_4BYTE_V2_FRAME_
          cmdClass;
                                     /* The command class */
        cmd;
cmd;
bitMask1;
bitMask2;
bitMask3;
bitMask4;
                                     /* The command */
   BYTE
                                    /* MSB */
   BYTE
   BYTE
                                    /* LSB */
   BYTE
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_4BYTE_V2_FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_GET_V3_FRAME_
       cmdClass;
cmd;
level;
   BYTE
                                    /* The command class */
                                    /* The command */
   BYTE
                                    /* masked byte */
   BYTE
} ZW_THERMOSTAT_SETPOINT_GET_V3_FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_1BYTE_V3_FRAME_
                                     /* The command class */
          cmdClass;
         cmd;
level;
level2;
   BYTE
                                     /* The command */
                                     /* masked byte */
   BYTE
                                     /* masked byte */
   BYTE
   BYTE
           value1:
} ZW_THERMOSTAT_SETPOINT_REPORT_1BYTE_V3_FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_2BYTE_V3_FRAME_
   BYTE
          cmdClass;
                                     /* The command class */
          cmd;
level;
level2;
                                    /* The command */
/* masked byte */
   BYTE
   BYTE
                                     /* masked byte */
   BYTE
        value1;
value2;
                                    /* MSB */
   BYTE
} ZW_THERMOSTAT_SETPOINT_REPORT_2BYTE_V3_FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_V3_FRAME_
                                     /\,^{\star} The command class ^{\star}/\,
   BYTE
          cmdClass;
                                     /* The command */
         cmd;
level;
   BYTE
                                     /* masked byte */
   BYTE
           level2;
                                     /* masked byte */
```

```
value1;
                                   /* MSB */
        value2;
value3;
   BYTE
                                   /* LSB */
   BYTE
} ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_V3_FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_4BYTE_V3_FRAME_
                                   /* The command class */
   BYTE
          cmdClass;
                                   /* The command */
   BYTE
          cmd;
                                   /* masked byte */
          level;
                                   /* masked byte */
   BYTE
          level2;
                                   /* MSB */
   BYTE
          value1;
   BYTE
          value2;
        value3;
value4;
   BYTE
                                   /* LSB */
} ZW_THERMOSTAT_SETPOINT_REPORT_4BYTE_V3_FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_1BYTE_V3_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
                                   /* The command */
         cmd;
level;
   BYTE
                                   /* masked byte */
   BYTE
         level2;
                                   /* masked byte */
           value1;
} ZW_THERMOSTAT_SETPOINT_SET_1BYTE_V3_FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_2BYTE_V3_FRAME_
   BYTE
          cmdClass;
                                   /\!\!\!\!\!\!\!^{\star} The command class ^{\star}/\!\!\!\!\!\!\!\!\!\!
                                   /* The command */
          cmd;
   BYTE
                                   /* masked byte */
   BYTE
          level;
          level2;
                                   /* masked byte */
   BYTE
        value1;
value2;
   BYTE
                                   /* LSB */
} ZW_THERMOSTAT_SETPOINT_SET_2BYTE_V3_FRAME;
/* Thermostat Setpoint Set 3byte V3 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_3BYTE_V3_FRAME_
                                   /* The command class */
   BYTE
          cmdClass;
         cmd;
level;
                                   /* The command */
   BYTE
                                   /* masked byte */
                                   /* masked byte */
   BYTE
          level2;
                                   /* MSB */
   BYTE
          value1;
         value2;
value3;
   BYTE
                                   /* LSB */
   BYTE
} ZW_THERMOSTAT_SETPOINT_SET_3BYTE_V3_FRAME;
/* Thermostat Setpoint Set 4byte V3 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_4BYTE_V3_FRAME_
          cmdClass;
   BYTE
                                   /* The command class */
                                   /* The command */
/* masked byte */
   BYTE
          cmd;
   BYTE
          level;
level2;
                                   /* masked byte */
   BYTE
                                   /* MSB */
   BYTE
          value1;
   BYTE
          value2;
        value3;
value4;
} ZW_THERMOSTAT_SETPOINT_SET_4BYTE_V3_FRAME;
^{\prime} Thermostat Setpoint Supported Get V3 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_GET_V3_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
                                   /* The command */
   BYTE
          cmd;
```

```
} ZW THERMOSTAT SETPOINT SUPPORTED GET V3 FRAME;
/* Thermostat Setpoint Supported Report 1byte V3 command class structs */
/*****************/
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT 1BYTE V3 FRAME
                                         /* The command class */
/* The command */
   BYTE
            cmdClass;
          cmd;
   BYTE
            bitMask1:
   BYTE
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_1BYTE_V3_FRAME;
/* Thermostat Setpoint Supported Report 2byte V3 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_2BYTE_V3_FRAME_
        cmdClass;
cmd;
bitMask1;
bitMask2;
                                          /* The command class */
                                          /* The command */
   BYTE
   BYTE
                                          /* MSB */
                                          /* LSB */
   BYTE
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_2BYTE_V3_FRAME;
/* Thermostat Setpoint Supported Report 3byte V3 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_V3_FRAME_
            cmdClass;
                                          /* The command class */
          cmdClass;
cmd;
bitMask1;
bitMask2;
                                          /* The command */
                                          /* MSB */
   BYTE
   BYTE
                                          /* LSB */
            bitMask3;
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_V3_FRAME;
/* Thermostat Setpoint Supported Report 4byte V3 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_4BYTE_V3_FRAME_
                                          /* The command class */
            cmdClass;
           cmd;
bitMask1;
bitMask2;
                                          /* The command */
                                          /* MSB */
   BYTE
   BYTE
         bitMask3;
   BYTE
             bitMask4;
                                          /* LSB */
} ZW THERMOSTAT SETPOINT SUPPORTED REPORT 4BYTE V3 FRAME;
// Thermostat Setpoint Capabilities Get V3 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_CAPABILITIES_GET_V3 FRAME
        cmdClass;
cmd;
propertie
                                          /* The command class */
   BYTE
                                          /* The command */
   BYTE
                                          /* masked byte */
             properties1;
   BYTE
} ZW_THERMOSTAT_SETPOINT_CAPABILITIES_GET_V3_FRAME;
/* Thermostat Setpoint Capabilities Report 1byte V3 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_1BYTE_V3_FRAME_
         cmdClass;
cmd;
properties1;
properties2;
minValue1;
properties3;
maxvalue1;
   BYTE
                                          /* The command class */
                                          /* The command */
                                          /* masked byte */
   BYTE
                                         /* masked byte */
   BYTE
   BYTE
   BYTE
                                         /* masked byte */
             maxvalue1;
} ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_1BYTE_V3_FRAME;
typedef struct _ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_2BYTE_V3_FRAME_
                                          /* The command class */
   BYTE
            cmdClass;
                                          /* The command */
           cmd;
properties1;
   BYTE
                                          /* masked byte */
   BYTE
                                          /* masked byte */
            properties2;
```

```
minValue1;
                                       /* MSB */
   BYTE
           minValue2;
                                       /* LSB */
         properties3;
maxvalue1;
                                       /* masked byte */
   BYTE
                                       /* MSB */
/* LSB */
   BYTE
   BYTE
            maxvalue2;
} ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_2BYTE_V3_FRAME;
/* Thermostat Setpoint Capabilities Report 3byte V3 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_3BYTE_V3_FRAME_
   BYTE
                                       /* The command class */
           cmdClass;
                                       /* The command */
   BYTE
          cmd;
                                       /* masked byte */
   BYTE
           properties1;
                                       /* masked byte */
           properties2;
minValue1;
   BYTE
                                       /* MSB */
   BYTE
   BYTE
           minValue2;
   BYTE
           minValue3;
                                       /* LSB */
         mrinvalue3;
properties3;
maxvalue1;
maxvalue2;
   BYTE
                                       /* masked byte */
                                       /* MSB */
   BYTE
   BYTE
                                       /* LSB */
   BYTE
            maxvalue3;
} ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_3BYTE_V3_FRAME;
/* Thermostat Setpoint Capabilities Report 4byte V3 command class structs */
typedef struct _ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_4BYTE_V3_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
                                       /* masked byte */
   BYTE
          properties1;
                                       /* masked byte */
           properties2;
   BYTE
           minValue1;
                                       /* MSB */
   BYTE
           minValue2;
   BYTE
           minValue3;
           minValue4;
   BYTE
                                       /* LSB */
         properties3;
maxvalue1;
maxvalue2;
maxvalue3;
maxvalue4;
                                       /* masked byte */
   BYTE
                                       /* MSB */
   BYTE
   BYTE
   BYTE
                                       /* LSB */
} ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_4BYTE_V3_FRAME;
/* Time Parameters Get command class structs */
typedef struct _ZW_TIME_PARAMETERS_GET_FRAME_
         cmdClass;
                                       /* The command class */
   BYTE
                                       /* The command */
   BYTE
            cmd;
} ZW_TIME_PARAMETERS_GET_FRAME;
typedef struct _ZW_TIME_PARAMETERS_REPORT_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
                                       /* The command */
   BYTE
           cmd;
                                       /* MSB */
           year1;
   BYTE
                                       /* LSB */
            year2;
   BYTE
                                       /**/
           month;
   BYTE
                                       /**/
           day;
   BYTE
           hourUtc;
          minuteUtc;
   BYTE
   BYTE
            secondUtc:
} ZW_TIME_PARAMETERS_REPORT_FRAME;
/* Time Parameters Set command class structs */
typedef struct _ZW_TIME_PARAMETERS_SET_FRAME_
           cmdClass;
                                       /* The command class */
                                       /* The command */
                                       /* MSB */
   BYTE
            year1;
                                       /* LSB */
   RYTE
            year2;
   BYTE
            month;
            day;
```

```
hourUtc;
      minuteUtc;
  BYTE
  BYTE
         secondUtc;
} ZW_TIME_PARAMETERS_SET_FRAME;
/* Date Get command class structs */
typedef struct _ZW_DATE_GET_FRAME_
       cmdClass;
                               /* The command class */
  BYTE
                               /* The command */
  BYTE
          cmd;
} ZW DATE GET FRAME;
typedef struct _ZW_DATE_REPORT_FRAME_
       cmdClass;
cmd;
year1;
year2;
month;
day;
                                /* The command class */
/* The command */
/* MSB */
  BYTE
  BYTE
  BYTE
                                /* LSB */
  BYTE
  BYTE
                                /**/
} ZW_DATE_REPORT_FRAME;
typedef struct _ZW_TIME_GET_FRAME_
                               /* The command class */
  BYTE cmdClass;
                               /* The command */
  BYTE
         cmd;
} ZW_TIME_GET_FRAME;
/* Time Report command class structs */
typedef struct _ZW_TIME_REPORT_FRAME_
                               /* The command class */
/* The command */
/* masked byte */
         cmdClass;
        cmd;
hourLocalTime;
  BYTE
  BYTE
       minuteLocalTime; secondLocalTime;
  BYTE
  BYTE
} ZW_TIME_REPORT_FRAME;
typedef struct _ZW_DATE_GET_V2_FRAME_
       cmdClass;
                               /* The command class */
/* The command */
  BYTE
  BYTE
         cmd;
} ZW_DATE_GET_V2_FRAME;
typedef struct _ZW_DATE_REPORT_V2_FRAME_
  BYTE
         cmdClass;
                                /* The command class */
                                /* The command */
         cmd;
  BYTE
        year1;
year2;
month;
                                /* MSB */
                                /* LSB */
  BYTE
  BYTE
  BYTE
         day;
} ZW_DATE_REPORT_V2_FRAME;
typedef struct _ZW_TIME_GET_V2_FRAME_
       cmdClass;
cmd;
                               /* The command class */
                               /* The command */
} ZW_TIME_GET_V2_FRAME;
/* Time Offset Get V2 command class structs */
```

```
typedef struct _ZW_TIME_OFFSET_GET_V2_FRAME_
         cmdClass;
                                          /* The command class */
   BYTE
                                          /* The command */
   BYTE
             cmd;
} ZW_TIME_OFFSET_GET_V2_FRAME;
/* Time Offset Report V2 command class structs */
typedef struct _ZW_TIME_OFFSET_REPORT_V2_FRAME_
   BYTE
            cmdClass;
                                           /* The command class */
           cmd;
level;
                                           /* The command */
   BYTE
                                           /* masked byte */
   BYTE
            minuteTzo;
level2;
   BYTE
   BYTE
                                          /* masked byte */
         monthStartDst;
dayStartDst;
hourStartDst;
monthEndDst;
dayEndDst;
hourEndDst;
                                          /**/
/**/
   BYTE
   BYTE
                                           /**/
   BYTE
   BYTE
   BYTE
             hourEndDst;
   BYTE
} ZW_TIME_OFFSET_REPORT_V2_FRAME;
/* Time Offset Set V2 command class structs */
typedef struct _ZW_TIME_OFFSET_SET_V2_FRAME_
   BYTE
            cmdClass;
                                           /* The command class */
                                           /* The command */
            cmd;
   BYTE
            level;
                                          /* masked byte */
   BYTE
           minuteTzo;
level2;
monthStartDst;
   BYTE
                                           /* masked byte */
   BYTE
                                           /**/
   BYTE dayStartDst;
BYTE hourStartDst;
BYTE monthEndDst;
BYTE dayEndDst;
BYTE hourEndDst;
                                           /**/
                                           /**/
} ZW_TIME_OFFSET_SET_V2_FRAME;
typedef struct _ZW_TIME_REPORT_V2_FRAME_
   BYTE
            cmdClass;
                                          /* The command class */
                                          /* The command */
   BYTE
            cmd;
           hourLocalTime;
                                          /* masked byte */
   BYTE
        minuteLocalTime;
   BYTE
             secondLocalTime;
} ZW_TIME_REPORT_V2_FRAME;
typedef struct _ZW_COMMAND_FIRST_SEGMENT_1BYTE_V2_FRAME_
           cmdClass;
                                          /* The command class */
   BYTE
                                          /* The command + parameter datagram_size_1 */
            cmd_datagramSize1;
   BYTE
           datagramSize2;
                                          /**/
   BYTE
         properties2; /**/
properties2; /* masked
headerExtensionLength; /**/
headerExtension1;
payload1;
frameCheckSequence1; /* MSB */
frameCheckSequence2; /* LSB */
                                          /* masked byte */
   BYTE
   BYTE
   BYTE
   BYTE
                                          /* LSB */
             frameCheckSequence2;
   BYTE
} ZW_COMMAND_FIRST_SEGMENT_1BYTE_V2_FRAME;
typedef struct _ZW_COMMAND_FIRST_SEGMENT_2BYTE_V2_FRAME_
   BYTE
           cmdClass;
                                          /\! The command class */
           cmd_datagramSize1;
datagramSize2;
properties2:
                                          /* The command + parameter datagram_size_1 */
/**/
   BYTE
   BYTE
           properties2;
headerExtensionLength;
                                          /* masked byte */
   BYTE
```

```
headerExtension1;
                                        /* MSB */
           headerExtension2;
                                        /* LSB */
                                        /* MSB */
   BYTE
            payload1;
                                       /* LSB */
   BYTE
           payload2;
                                       /* MSB */
         frameCheckSequence1;
   BYTE
            frameCheckSequence2;
                                       /* LSB */
   BYTE
} ZW_COMMAND_FIRST_SEGMENT_2BYTE_V2_FRAME;
typedef struct _ZW_COMMAND_FIRST_SEGMENT_3BYTE_V2_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
           cmd_datagramSize1;
datagramSize2;
properties2;
                                       /* The command + parameter datagram_size_1 */
   BYTE
                                       /**/
   BYTE
                                       /* masked byte */
   BYTE
           properties2,
headerExtensionLength;
   BYTE
          headerExtension1;
   BYTE
                                       /* MSB */
   BYTE
           headerExtension2;
          headerExtension3;
                                      /* LSB */
/* MSB */
   BYTE
        payload; /* MSB */
payload2;
payload3; /* LSB */
frameCheckSequence1; /* MSB */
frameCheckSequence2; /* LSB */
   BYTE
   BYTE
   BYTE
   BYTE
} ZW_COMMAND_FIRST_SEGMENT_3BYTE_V2_FRAME;
/* Command First Segment 4byte V2 command class structs */
typedef struct _ZW_COMMAND_FIRST_SEGMENT_4BYTE_V2_FRAME_
   BYTE
                                       /* The command class */
           cmdClass;
           cmd datagramSize1;
                                       ^{\prime} The command + parameter datagram_size_1 */
   BYTE
          datagramSize2;
                                       /**/
          properties2;
headerExtensionLength;
headerExtension1;
   BYTE
                                       /* masked byte */
   BYTE
                                       /* MSB */
   BYTE
   BYTE
           headerExtension2;
           headerExtension3;
headerExtension4;
   BYTE
                                       /* LSB */
/* MSB */
           payload1;
   BYTE
   BYTE
           payload2;
       payload3;
payload4;
frameCheckSequence1;
frameCheckSequence2;
   BYTE
                                       /* LSB */
   BYTE
                                       /* MSB */
   BYTE
} ZW_COMMAND_FIRST_SEGMENT_4BYTE_V2_FRAME;
/* Command Segment Complete V2 command class structs */
typedef struct _ZW_COMMAND_SEGMENT_COMPLETE_V2_FRAME_
                                       /* The command class */
   BYTE
            cmdClass;
         cmd_reserved;
                                       /* The command + parameter reserved */
/* masked byte */
   BYTE
            properties2;
} ZW_COMMAND_SEGMENT_COMPLETE_V2_FRAME;
typedef struct _ZW_COMMAND_SEGMENT_REQUEST_V2_FRAME
        cmdClass;
cmd_reserved;
properties2;
datagrand
   BYTE
                                       /* The command class */
                                       /* The command + parameter reserved */
/* masked byte */
   BYTE
            __operties2;
datagramOffset2;
SEGMENT PROVE
   BYTE
} ZW_COMMAND_SEGMENT_REQUEST_V2_FRAME;
typedef struct _ZW_COMMAND_SEGMENT_WAIT_V2_FRAME
        cmdClass;
cmd_reserved;
nerdir=
                                        /* The command class */
   BYTE
                                        /* The command + parameter reserved */
BYTE pendingFragments;
} ZW_COMMAND_SEGMENT_WAIT_V2_FRAME;
```

```
.
typedef struct _ZW_COMMAND_SUBSEQUENT_SEGMENT_1BYTE_V2_FRAME_
                cmdClass; /* The command class */
cmd_datagramSize1; /* The command + parameter datagram_size_1 */
datagramSize2; /**/
properties2; /* masked byte */
datagramOffset2; /**/
headerExtensionLength; /**/
headerExtension1;
payload1:
      BYTE
      BYTE
      BYTE
      BYTE
      BYTE
             payload1;
frameCheckSequence1; /* MSB */
frameCheckSequence2; /* LSB */
      BYTE
      BYTE
} ZW_COMMAND_SUBSEQUENT_SEGMENT_1BYTE_V2_FRAME;
typedef struct _ZW_COMMAND_SUBSEQUENT_SEGMENT_2BYTE_V2_FRAME_
Typeder Struct _ZW_COMMAND_SUBSEQUENT_SEGMENT_ZBITE_V2

BYTE cmdClass; /* The com
BYTE cmd_datagramSize1; /* The com
BYTE datagramSize2; /**/
BYTE properties2; /* masked
BYTE datagramOffset2; /**/
BYTE headerExtensionLength; /**/
BYTE headerExtension1; /* MSB */
BYTE headerExtension2; /* LSB */
BYTE payload1; /* MSB */
BYTE payload2; /* LSB */
BYTE frameCheckSequence1; /* MSB */
BYTE frameCheckSequence2; /* LSB */
BYTE GUMAND_SUBSEQUENT_SEGMENT_ZBYTE_V2_FRAME;
                                                                /* The command class */
/* The command + parameter datagram_size_1 */
/**/
                                                                 /* The command + p
/**/
/* masked byte */
/**/
 typedef struct _ZW_COMMAND_SUBSEQUENT_SEGMENT_3BYTE_V2_FRAME_
                    cmdClass;
                                                                 /* The command class */
                  cmdClass;
cmd_datagramSize1;
datagramSize2;
properties2;
datagramOffset2;
headerExtensionLength;
headerExtension2;
headerExtension3;
payload1;
                                                                 /* The command class */
/* The command + parameter datagram_size_1 */
/**/
      BYTE
      BYTE
                                                                 /* masked byte */
      BYTE
                                                                /**/
/**/
/* MSB */
      BYTE
      BYTE
      BYTE
      BYTE
                                                                 /* LSB */
      BYTE
              payload1; /* MSB */
payload2;
payload3; /* LSB */
frameCheckSequence1; /* MSB */
frameCheckSequence2; /* LSB */
      BYTE
      BYTE
      BYTE
      BYTE
} ZW_COMMAND_SUBSEQUENT_SEGMENT_3BYTE_V2_FRAME;
 /* Command Subsequent Segment 4byte V2 command class structs */
 typedef struct _ZW_COMMAND_SUBSEQUENT_SEGMENT_4BYTE_V2_FRAME_
                    cmdClass;
                                                                  /* The command class */
                 cmd_datagramSize1;
datagramSize2;
                                                                  ^{\prime} * The command + parameter datagram_size_1 */
      BYTE
                                                                  /**/
                  properties2;
datagramOffset2;
                                                                 /* masked byte */
/**/
      BYTE
      BYTE
                  headerExtensionLength;
headerExtension1;
headerExtension2;
      BYTE
                                                                 /* MSB */
      BYTE
      BYTE
                    headerExtension3;
                   headerExtension4;
                                                                  /* LSB */
      BYTE
                                                                  /* MSB */
      BYTE
                    payload1;
              payload1;
payload2;
payload3;
payload4;
frameCheckSequence1;
frameCheckSequence2;
      BYTE
      BYTE
      BYTE
                                                                 /* MSB */
/* LSB */
      BYTE
      BYTE
                     frameCheckSequence2;
 } ZW_COMMAND_SUBSEQUENT_SEGMENT_4BYTE_V2_FRAME;
```

```
typedef struct _ZW_COMMAND_FIRST_FRAGMENT_1BYTE_FRAME_
                                       /* The command class */
   BYTE
            cmdClass;
          cmd_datagramSize1; /* The command + parameter datagram_size_1 */
datagramSize2; /**/
properties2; /* masked but 0 */
   BYTE
        properties2;
payload1;
checksum1;
checksum2;
                                        /* masked byte */
   BYTE
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
} ZW_COMMAND_FIRST_FRAGMENT_1BYTE_FRAME;
typedef struct _ZW_COMMAND_FIRST_FRAGMENT_2BYTE_FRAME_
                                        /* The command class */
   BYTE
           cmdClass;
          cmd_datagramSize1;
datagramSize2;
                                        /* The command + parameter datagram_size_1 */
/**/
   BYTE
   BYTE
        properties2;
payload1;
payload2;
checksum1;
checksum2;
                                        /* masked byte */
   BYTE
                                         /* MSB */
/* LSB */
   BYTE
   BYTE
                                         /* MSB */
   BYTE
                                         /* LSB */
} ZW_COMMAND_FIRST_FRAGMENT_2BYTE_FRAME;
/* Command First Fragment 3byte command class structs */
typedef struct _ZW_COMMAND_FIRST_FRAGMENT_3BYTE_FRAME_
   BYTE
                                        /* The command class */
            cmdClass;
          cmdClass;
cmd_datagramSize1;
datagramSize2;
                                        /* The command + parameter datagram_size_1 */
   BYTE
                                        /**/
         payload;
payload;
payload;
payload;
checksum1;
checksum2;
   BYTE
                                        /* masked byte */
                                        /* MSB */
   BYTE
   BYTE
                                        /* LSB */
   BYTE
                                        /* MSB */
} ZW_COMMAND_FIRST_FRAGMENT_3BYTE_FRAME;
typedef struct _ZW_COMMAND_FIRST_FRAGMENT_4BYTE_FRAME_
                                        /\star The command class \star/
   BYTE
           cmdClass;
         cmd_datagramSize1,
datagramSize2,
properties2;
payload1,
payload2;
payload3;
payload4;
checksum1;
checksum2;
                                        /* The command + parameter datagram_size_1 */
   BYTE
                                        /**/
   BYTE
                                        /* masked byte */
                                         /* MSB */
   BYTE
   BYTE
   BYTE
                                        /* LSB */
   BYTE
                                         /* MSB */
   BYTE
} ZW_COMMAND_FIRST_FRAGMENT_4BYTE_FRAME;
typedef struct _ZW_COMMAND_SUBSEQUENT_FRAGMENT_1BYTE_FRAME_
   BYTE
           cmdClass;
                                         /* The command class */
         cmd_tass;

cmd_datagramSizel;

datagramSize2;

properties2;

datagramOffset2;

payload1;

checksum1;

checksum2;
                                        /* The command + parameter datagram_size_1 */
   BYTE
                                        /**/
   BYTE
                                         /* masked byte */
   BYTE
   BYTE
                                        /* MSB */
   BYTE
                                         /* LSB */
   BYTE
            checksum2;
} ZW_COMMAND_SUBSEQUENT_FRAGMENT_1BYTE_FRAME;
/* Command Subsequent Fragment 2byte command class structs */
typedef struct _ZW_COMMAND_SUBSEQUENT_FRAGMENT_2BYTE_FRAME_
```

```
cmdClass;
                                      /* The command class */
                                      /* The command + parameter datagram_size_1 */
           cmd_datagramSize1;
   BYTE
   BYTE
           datagramSize2;
                                      /* masked byte */
   BYTE
           properties2;
   BYTE
           datagramOffset2;
                                      /* MSB */
   BYTE
           payload1;
                                      /* LSB */
   BYTE
           payload2;
   BYTE
          checksum1;
                                      /* MSB */
                                      /* LSB */
   BYTE
           checksum2;
} ZW_COMMAND_SUBSEQUENT_FRAGMENT_2BYTE_FRAME;
typedef struct _ZW_COMMAND_SUBSEQUENT_FRAGMENT_3BYTE_FRAME_
   BYTE
          cmdClass;
                                      /* The command class */
   BYTE
           cmd_datagramSize1;
                                     /* The command + parameter datagram_size_1 */
          datagramSize2;
                                     /**/
   BYTE
          properties2;
datagramOffset2;
payload1;
                                     /* masked byte */
/**/
   BYTE
   BYTE
                                     /* MSB */
   BYTE
        payload1;
payload2;
payload3;
checksum1;
checksum2;
   BYTE
                                      /* LSB */
   BYTE
                                     /* MSB */
                                      /* LSB */
   BYTE
} ZW_COMMAND_SUBSEQUENT_FRAGMENT_3BYTE_FRAME;
/************************
typedef struct _ZW_COMMAND_SUBSEQUENT_FRAGMENT_4BYTE_FRAME_
   BYTE
          cmdClass;
                                     /* The command class */
   BYTE
           cmd datagramSize1;
                                     ^{\prime} * The command + parameter datagram_size_1 */
          datagramSize2;
                                     /**/
          properties2;
datagramOffset2;
                                     /* masked byte */
   BYTE
                                      /**/
   BYTE
                                      /* MSB */
   RYTE
           payload1;
        payload2;
payload3;
payload4;
checksum1;
checksum2;
   BYTE
   BYTE
                                      /* LSB */
                                     /* MSB */
/* LSB */
   BYTE
   BYTE
} ZW_COMMAND_SUBSEQUENT_FRAGMENT_4BYTE_FRAME;
/* User Code Get command class structs */
typedef struct _ZW_USER_CODE_GET_FRAME_
   BYTE
           cmdClass;
                                     /* The command class */
       cmd;
userIdentifier;
                                      /* The command */
   BYTE
} ZW_USER_CODE_GET_FRAME;
typedef struct _ZW_USER_CODE_REPORT_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
                                     /* The command */
   BYTE
           cmd;
                                     /**/
           userIdentifier;
   BYTE
                                      /**/
           userIdStatus;
                                      /* MSB */
   BYTE
           userCode1;
   BYTE
           userCode2;
   BYTE
           userCode3:
   BYTE
           userCode4;
   BYTE
           userCode5;
          userCode6;
userCode7;
userCode8;
   BYTE
   BYTE
   BYTE
        userCode9;
userCode10;
                                     /* LSB */
   BYTE
} ZW USER CODE REPORT FRAME;
typedef struct _ZW_USER_CODE_SET_FRAME_
```

```
{
   BYTE
          cmdClass;
                                   /* The command class */
                                   /* The command */
   BYTE
          cmd;
                                   /**/
          userIdentifier;
   BYTE
   BYTE
          userIdStatus;
   BYTE
          userCode1;
                                   /* MSB */
   BYTE
          userCode2;
          userCode3;
   BYTE
          userCode4;
   BYTE
          userCode5;
   BYTE
          userCode6;
   BYTE
          userCode7;
        userCode9;
userCode10;
   BYTE
                                  /* LSB */
   BYTE
} ZW_USER_CODE_SET_FRAME;
/* Users Number Get command class structs */
typedef struct _ZW_USERS_NUMBER_GET_FRAME_
       cmdClass;
cmd;
   BYTE
                                  /* The command class */
                                  /* The command */
} ZW USERS NUMBER GET FRAME;
typedef struct _ZW_USERS_NUMBER_REPORT_FRAME_
                                  /* The command class */
   BYTE
          cmdClass;
                                  /* The command */
   BYTE cmd;
          supportedUsers;
   BYTE
} ZW_USERS_NUMBER_REPORT_FRAME;
/* Version Command Class Get command class structs */
typedef struct _ZW_VERSION_COMMAND_CLASS_GET_FRAME
          cmdClass;
                                  /* The command class */
/* The command */
/**/
         cmd;
requestedCommandClass;
   BYTE
} ZW_VERSION_COMMAND_CLASS_GET_FRAME;
/* Version Command Class Report command class structs */
typedef struct _ZW_VERSION_COMMAND_CLASS_REPORT_FRAME_
          cmdClass;
   BYTE
                                   /* The command class */
        cmd;
cmd;
requestedCommandClass;
                                  /* The command */
   BYTE
          commandClassVersion;
} ZW_VERSION_COMMAND_CLASS_REPORT_FRAME;
/* Version Get command class structs */
typedef struct _ZW_VERSION_GET_FRAME_
         cmdClass;
                                  /* The command class */
   BYTE
                                  /* The command */
   BYTE
           cmd;
} ZW VERSION GET FRAME;
typedef struct _ZW_VERSION_REPORT_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
                                   /* The command */
   BYTE
          cmd;
         zWaveLibraryType;
zWaveProtocolVersion;
   BYTE
                                  /**/
   BYTE
          zWaveProtocolSubVersion;
                                   /**/
   BYTE
         applicationVersion;
   BYTE
   BYTE
           applicationSubVersion;
} ZW_VERSION_REPORT_FRAME;
```

```
/* Version Command Class Get V2 command class structs */
typedef struct _ZW_VERSION_COMMAND_CLASS_GET_V2_FRAME_
   BYTE
                                      /* The command class */
            cmdClass;
                                      /* The command */
   BYTE
         cmd;
requestedCommandClass;
} ZW_VERSION_COMMAND_CLASS_GET_V2_FRAME;
^{\prime} /* Version Command Class Report V2 command class structs */
typedef struct _ZW_VERSION_COMMAND_CLASS_REPORT_V2_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
                                       /* The command */
         cmd;
requestedCommandClass;
commandClassVorsion;
   BYTE
   BYTE
            commandClassVersion;
} ZW_VERSION_COMMAND_CLASS_REPORT_V2_FRAME;
typedef struct _ZW_VERSION_GET_V2_FRAME_
   BYTE cmdClass;
RYTE cmd;
                                      /* The command class */
                                      /* The command */
} ZW_VERSION_GET_V2_FRAME;
/* Version Report V2 variant group structs */
typedef struct _VG_VERSION_REPORT_V2_VG_
          firmwareVersion;
firmwareSubVersion;
   BYTE
} VG_VERSION_REPORT_V2_VG;
typedef struct _ZW_VERSION_REPORT_1BYTE_V2_FRAME_
           cmdClass;
                                      /* The command class */
   BYTE
                                      /* The command */
          cmd;
zWaveLibraryType;
   BYTE
   BYTE
           zWaveProtocolVersion;
                                      /**/
   BYTE
           zWaveProtocolSubVersion;
                                       /**/
   BYTE
          firmwareOVersion;
firmwareOSubVersion;
                                       /**/
   BYTE
                                       /**/
   BYTE
          hardwareVersion;
   BYTE
           numberOfFirmwareTargets;
   BYTE
   VG VERSION REPORT V2 VG variantgroup1;
} ZW_VERSION_REPORT_1BYTE_V2_FRAME;
typedef struct _ZW_VERSION_REPORT_2BYTE_V2_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
                                       /* The command */
   BYTE
           cmd;
           zWaveLibraryType;
zWaveProtocolVersion;
                                       /**/
   BYTE
                                      /**/
   BYTE
           zWaveProtocolSubVersion;
                                       /**/
   BYTE
           firmwareOVersion;
          firmwareOSubVersion;
hardwareVersion;
   BYTE
   BYTE
           numberOfFirmwareTargets;
   VG_VERSION_REPORT_V2_VG variantgroup1;
VG_VERSION_REPORT_V2_VG variantgroup2;
} ZW_VERSION_REPORT_2BYTE_V2_FRAME;
typedef struct _ZW_VERSION_REPORT_3BYTE_V2_FRAME_
           cmdClass;
                                      /* The command class */
/* The command */
   BYTE
   BYTE
           cmd;
           zWaveLibraryType;
```

```
zWaveProtocolVersion;
           zWaveProtocolSubVersion;
   BYTE
           firmwareOVersion;
          firmware0SubVersion;
hardwareVersion;
   BYTE
   BYTE
           numberOfFirmwareTargets;
   BYTE
VG_VERSION_REPORT_V2_VG variantgroup1;
VG_VERSION_REPORT_V2_VG variantgroup2;
VG_VERSION_REPORT_V2_VG variantgroup3;
} ZW_VERSION_REPORT_3BYTE_V2_FRAME;
/************************
typedef struct _ZW_VERSION_REPORT_4BYTE_V2_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
          cmd;
zWaveLibraryType;
   BYTE
                                      /* The command */
                                      /**/
   BYTE
                                      /**/
/**/
   BYTE
           zWaveProtocolVersion;
          zWaveProtocolSubVersion;
firmware0Version;
   BYTE
   BYTE
          firmwareOSubVersion;
hardwareVersion;
numberOfFirmwareTargets;
   BYTE
   BYTE
   VG_VERSION_REPORT_V2_VG variantgroup1;
VG_VERSION_REPORT_V2_VG variantgroup2;
VG_VERSION_REPORT_V2_VG variantgroup3;
VG_VERSION_REPORT_V2_VG variantgroup4;
} ZW_VERSION_REPORT_4BYTE_V2_FRAME;
typedef struct _ZW_WAKE_UP_INTERVAL_GET_FRAME
         cmdClass;
                                     /* The command class */
   BYTE
                                     /* The command */
   BYTE
           cmd;
} ZW_WAKE_UP_INTERVAL_GET_FRAME;
typedef struct _ZW_WAKE_UP_INTERVAL_REPORT_FRAME_
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
   BYTE
          seconds1;
                                      /* MSB */
   BYTE
           seconds2;
          seconds3;
                                      /* LSB */
   BYTE
           nodeid;
   BYTE
} ZW_WAKE_UP_INTERVAL_REPORT_FRAME;
/* Wake Up Interval Set command class structs */
typedef struct _ZW_WAKE_UP_INTERVAL_SET_FRAME_
           cmdClass;
                                     /* The command class */
                                     /* The command */
/* MSB */
   BYTE
          cmd;
seconds1;
   BYTE
   BYTE
           seconds2;
                                      /* LSB */
   BYTE
           seconds3;
           nodeid;
   BYTE
} ZW WAKE UP INTERVAL SET FRAME;
typedef struct _ZW_WAKE_UP_NO_MORE_INFORMATION_FRAME_
         cmdClass;
                                      /* The command class */
   BYTE
                                     /* The command */
   BYTE
           cmd;
} ZW_WAKE_UP_NO_MORE_INFORMATION_FRAME;
typedef struct _ZW_WAKE_UP_NOTIFICATION_FRAME_
         cmdClass;
   BYTE
                                      /* The command class */
```

```
cmd;
                                         /* The command */
} ZW_WAKE_UP_NOTIFICATION_FRAME;
/* Wake Up Interval Capabilities Get V2 command class structs */
typedef struct _ZW_WAKE_UP_INTERVAL_CAPABILITIES_GET_V2 FRAME
           cmdClass;
                                         /* The command class */
                                         /* The command */
   BYTE
             cmd:
} ZW_WAKE_UP_INTERVAL_CAPABILITIES_GET_V2_FRAME;
/* Wake Up Interval Capabilities Report V2 command class structs */
typedef struct _ZW_WAKE_UP_INTERVAL_CAPABILITIES_REPORT_V2_FRAME_
            cmdClass;
                                         /* The command class */
                                         /* The command */
   BYTE
            minimumWakeUpIntervalSeconds1;/* MSB */
   BYTE
   BYTE
            minimumWakeUpIntervalSeconds2;
            minimumWakeUpIntervalSeconds3;/* LSB */
maximumWakeUpIntervalSeconds1;/* MSB */
   BYTE
   BYTE
            maximumWakeUpIntervalSeconds2;
   BYTE
            maximumWakeUpIntervalSeconds3;/* LSB */
   BYTE
            defaultWakeUpIntervalSeconds1;/* MSB */
   BYTE
            defaultWakeUpIntervalSeconds2;
            defaultWakeUpIntervalSeconds3;/* LSB */
wakeUpIntervalStepSeconds1; /* MSB */
   BYTE
   BYTE
            wakeUpIntervalStepSeconds2;
                                         /* LSB */
   BYTE
            wakeUpIntervalStepSeconds3;
} ZW_WAKE_UP_INTERVAL_CAPABILITIES_REPORT_V2_FRAME;
/* Wake Up Interval Get V2 command class structs */
typedef struct _ZW_WAKE_UP_INTERVAL_GET_V2_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
                                         /* The command */
   BYTE
            cmd;
} ZW WAKE UP INTERVAL GET V2 FRAME;
typedef struct _ZW_WAKE_UP_INTERVAL_REPORT_V2_FRAME_
   BYTE
           cmdClass;
                                         /* The command class */
           cmd;
seconds1;
                                         /\,^\star The command ^\star/\,
   BYTE
                                         /* MSB */
   BYTE
   BYTE
            seconds2;
                                         /* LSB */
   BYTE
           seconds3;
             nodeid;
} ZW_WAKE_UP_INTERVAL_REPORT_V2_FRAME;
typedef struct _ZW_WAKE_UP_INTERVAL_SET_V2_FRAME_
                                         /* The command class */
   BYTE
            cmdClass;
           cmd;
seconds1;
                                         /* The command */
   BYTE
                                         /* MSB */
   BYTE
           seconds2;
seconds3;
   BYTE
                                         /* LSB */
             nodeid;
   BYTE
} ZW_WAKE_UP_INTERVAL_SET_V2_FRAME;
/* Wake Up No More Information V2 command class structs */
typedef struct _ZW_WAKE_UP_NO_MORE_INFORMATION_V2_FRAME_
         cmdClass;
cmd;
                                         /* The command class */
   BYTE
                                         /* The command */
   BYTE
} ZW_WAKE_UP_NO_MORE_INFORMATION_V2_FRAME;
/* Wake Up Notification V2 command class structs */
typedef struct ZW WAKE UP NOTIFICATION V2 FRAME
```

```
{
   BYTE cmdClass;
BYTE cmd;
                                           /\,^{\star} The command class ^{\star}/\,
                                          /* The command */
} ZW_WAKE_UP_NOTIFICATION_V2_FRAME;
/* Lowpan First Fragment 1byte command class structs */
typedef struct _ZW_LOWPAN_FIRST_FRAGMENT_1BYTE_FRAME_
   BYTE cmdClass;
BYTE cmd_datagramSize1;
BYTE datagramSize2;
BYTE datagramTag;
BYTE paylocal
                                          /* The command class */
                                          /* The command + parameter Datagram Size 1 */
             payload1;
} ZW_LOWPAN_FIRST_FRAGMENT_1BYTE_FRAME;
/* Lowpan First Fragment 2byte command class structs */
/*********************
typedef struct _ZW_LOWPAN_FIRST_FRAGMENT_2BYTE_FRAME_
   BYTE cmdClass;
BYTE cmd_datagramSize1;
BYTE datagramSize2;
BYTE datagramTag;
BYTE payload1;
BYTE payload2;
                                          /* The command class */
                                          /* The command + parameter Datagram Size 1 */
                                         / -
/**/
/**/
                                          /* MSB */
                                          /* LSB */
BYTE payload2;
} ZW_LOWPAN_FIRST_FRAGMENT_2BYTE_FRAME;
typedef struct _ZW_LOWPAN_FIRST_FRAGMENT_3BYTE_FRAME_
        cmdClass;
cmd_datagramSize1;
datagramSize2;
datagramTag;
payload1;
payload2;
payload3;
   BYTE
                                          /* The command class */
                                          ^{\prime} * The command + parameter Datagram Size 1 */
   BYTE
                                          /**/
   BYTE
   BYTE
                                          /* MSB */
   BYTE
             payload3;
                                          /* LSB */
} ZW_LOWPAN_FIRST_FRAGMENT_3BYTE_FRAME;
typedef struct _ZW_LOWPAN_FIRST_FRAGMENT_4BYTE_FRAME_
           cmdClass;
                                          /* The command class */
   BYTE
        cmd_datagramSizel;
datagramSize2;
datagramTag;
payload1;
payload2;
payload3;
payload4;
                                          ^{\prime} /* The command + parameter Datagram Size 1 */
   BYTE
                                          /**/
   BYTE
                                          /**/
   BYTE
                                          /* MSB */
   BYTE
   BYTE
                                          /* LSB */
BYTE payload4;
} ZW_LOWPAN_FIRST_FRAGMENT_4BYTE_FRAME;
/* Lowpan Subsequent Fragment 1byte command class structs */
typedef struct _ZW_LOWPAN_SUBSEQUENT_FRAGMENT_1BYTE_FRAME_
         cmdClass;
   BYTE
                                           /* The command class */
   BYTE cmd_datagramSize1;
BYTE datagramSize2;
BYTE datagramTag;
BYTE datagramOffset;
BYTE pavload1:
                                           ^{\prime } * The command + parameter Datagram Size 1 */
                                          /**/
             payload1;
} ZW_LOWPAN_SUBSEQUENT_FRAGMENT_1BYTE_FRAME;
typedef struct _ZW_LOWPAN_SUBSEQUENT_FRAGMENT_2BYTE_FRAME_
         cmdClass;
cmd_datagramSize1;
datagramSize2;
datagramTag;
                                           /\! The command class */
   BYTE
                                          /* The command + parameter Datagram Size 1 */
   BYTE
   BYTE
```

```
datagramOffset;
       payload1;
                                      /* MSB */
                                      /* LSB */
   BYTE
            payload2;
} ZW_LOWPAN_SUBSEQUENT_FRAGMENT_2BYTE_FRAME;
typedef struct _ZW_LOWPAN_SUBSEQUENT_FRAGMENT_3BYTE_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /\star The command + parameter Datagram Size 1 \star/
           cmd datagramSize1;
   BYTE
           datagramSize2;
                                     /**/
/**/
          datagramTag;
   BYTE
   BYTE
           datagramOffset;
                                      /* MSB */
         payload1;
payload2;
   BYTE
   BYTE
            payload3;
                                      /* LSB */
} ZW_LOWPAN_SUBSEQUENT_FRAGMENT_3BYTE_FRAME;
typedef struct _ZW_LOWPAN_SUBSEQUENT_FRAGMENT_4BYTE_FRAME_
          cmdClass;
                                      /* The command class */
          cmd_datagramSize1;
datagramSize2;
datagramTag;
                                     /* The command + parameter Datagram Size 1 */
/**/
   BYTE
   BYTE
                                      /**/
           datagramOffset;
   BYTE
   BYTE payload2;
BYTE payload3;
BYTE payload4:
                                      /* MSB */
                                      /* LSB */
   BYTE
           pavload4;
} ZW_LOWPAN_SUBSEQUENT_FRAGMENT_4BYTE_FRAME;
/* Command Zip Packet 1byte command class structs */
typedef struct _ZW_COMMAND_ZIP_PACKET_1BYTE_FRAME_
           cmdClass;
                                      /* The command class */
                                     /* The command */
/* masked byte */
   BYTE
           cmd;
           properties1;
   BYTE
         properties2;
seqNo;
properties3;
properties4;
headerExtension1;
zWaveCommand1;
                                      /* masked byte */
   BYTE
   BYTE
                                      /* masked byte */
   BYTE
   BYTE
                                      /* masked byte */
   BYTE
   BYTE
           zWaveCommand1;
} ZW_COMMAND_ZIP_PACKET_1BYTE_FRAME;
typedef struct _ZW_COMMAND_ZIP_PACKET_2BYTE_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
   BYTE
          properties1;
                                      /* masked byte */
                                      /* masked byte */
          properties2;
seqNo;
   BYTE
                                     /**/
   BYTE
           properties3;
                                     /* masked byte */
   BYTE
   BYTE propertiess;
BYTE properties4;
BYTE headerExtension1;
BYTE headerExtension2;
BYTE zWaveCommand1;
BYTE zWaveCommand2;
                                     /* masked byte */
                                     /* MSB */
                                     /* LSB */
/* MSB */
                                      /* LSB */
} ZW_COMMAND_ZIP_PACKET_2BYTE_FRAME;
/* Command Zip Packet 3byte command class structs */
typedef struct _ZW_COMMAND_ZIP_PACKET_3BYTE_FRAME_
           cmdClass;
                                      /* The command class */
                                      /* The command */
                                      /* masked byte */
   BYTE
           properties1;
                                      /* masked byte */
          properties2;
   RYTE
   BYTE
           seqNo;
           properties3;
                                      /* masked byte */
```

```
properties4;
                                                     /* masked byte */
                headerExtension1;
    BYTE
    BYTE
               headerExtension2;
           headerExtension3;
zWaveCommand1;
zWaveCommand2;
zWaveCommand3;
                                                    /* LSB */
    BYTE
                                                    /* MSB */
    BYTE
    BYTE
                                                    /* LSB */
} ZW_COMMAND_ZIP_PACKET_3BYTE_FRAME;
//* Command Zip Packet 4byte command class structs */
typedef struct _ZW_COMMAND_ZIP_PACKET_4BYTE_FRAME_
    BYTE
                cmdClass;
                                                    /* The command class */
                                                    /* The command */
/* masked byte */
    BYTE
               cmd;
               properties1;
    BYTE
              properties2;
seqNo;
    BYTE
                                                    /* masked byte */
                                                    /**/
    BYTE
              properties3;
properties4;
headerExtension1;
                                                    /* masked byte */
/* masked byte */
    BYTE
    BYTE
                                                    /* MSB */
   neagerExtension1;
BYTE headerExtension2;
BYTE headerExtension3;
BYTE zWaveCommand1;
BYTE zWaveCommand2;
BYTE zWaveCommand3;
BYTE zWaveCommand4.
    BYTE
                                                    /* LSB */
/* MSB */
                zWaveCommand4;
                                                    /* LSB */
} ZW_COMMAND_ZIP_PACKET_4BYTE_FRAME;
typedef struct _ZW_COMMAND_ZIP_PACKET_1BYTE_V2_FRAME_
                                                    /\star The command class \star/
    BYTE
               cmdClass;
    BYTE cmdClass;
BYTE cmd;
BYTE properties1;
BYTE properties2;
BYTE seqNo;
BYTE properties3;
BYTE properties4;
BYTE properties4;
BYTE headerLength;
BYTE headerExtension1;
BYTE zWaveCommand1;
                                                    /* The command */
/* masked byte */
                                                    /* masked byte */
                                                    /* masked byte */
/* masked byte */
                zWaveCommand1;
} ZW_COMMAND_ZIP_PACKET_1BYTE_V2_FRAME;
/************************
typedef struct _ZW_COMMAND_ZIP_PACKET_2BYTE_V2_FRAME
             cmdClass;
cmd;
properties1;
                                                    /* The command class */
    BYTE
                                                    /* The command */
/* masked byte */
    BYTE
    BYTE
                                                    /* masked byte */
    BYTE
              properties2;
seqNo;
                                                    /**/
    BYTE
                                                    /* masked byte */
/* masked byte */
/**/
    BYTE
              properties3;
    BYTE properties3;
BYTE properties4;
BYTE headerLength;
BYTE headerExtension1;
BYTE headerExtension2;
BYTE zWaveCommand1;
BYTE zWaveCommand2;
                                                   /* MSB */
                                                    /* LSB */
                                                    /* MSB */
} ZW_COMMAND_ZIP_PACKET_2BYTE_V2_FRAME;
/* Command Zip Packet 3byte V2 command class structs */
typedef struct _ZW_COMMAND_ZIP_PACKET_3BYTE_V2_FRAME_
                                                    /* The command class */
    BYTE
                cmdClass;
                                                    /* The command */
    BYTE
               cmd;
                                                    /* masked byte */
    BYTE
               properties1;
              properties1;
properties2;
seqNo;
properties3;
properties4;
                                                    /* masked byte */
    BYTE
                                                   /* masked byte */
/**/
/* masked byte */
/* masked byte */
/**/
    BYTE
    BYTE
                propertiess;
properties4;
headerLength;
headerExtension1;
    BYTE
    BYTE
                                                     /* MSB */
    BYTE
```

```
headerExtension2;
             headerExtension3;
                                              /* LSB */
    BYTE
                                              /* MSB */
    BYTE
              zWaveCommand1;
            zWaveCommand2;
    BYTE
                                              /* LSB */
              zWaveCommand3;
    BYTE
} ZW_COMMAND_ZIP_PACKET_3BYTE_V2_FRAME;
/* Command Zip Packet 4byte V2 command class structs */
.
typedef struct _ZW_COMMAND_ZIP_PACKET_4BYTE_V2_FRAME_
                                              /* The command class */
/* The command */
    BYTE
              cmdClass;
    BYTE
            cmd;
                                              /* masked byte */
    BYTE
              properties1;
                                              /* masked byte */
             properties2;
seqNo;
    BYTE
    BYTE
            properties3;
properties4;
headerLength;
headerExtension1;
headerExtension2;
                                             /* masked byte */
/* masked byte */
    BYTE
    BYTE
                                             /**/
/* MSB */
    BYTE
    BYTE
    BYTE
          headerExtension2;
headerExtension3;
headerExtension4;
zWaveCommand1;
zWaveCommand2;
zWaveCommand3;
zWaveCommand4;
    BYTE
                                             /* LSB */
    BYTE
                                              /* MSB */
    BYTE
    RYTE
                                              /* LSB */
              zWaveCommand4:
    BYTE
} ZW_COMMAND_ZIP_PACKET_4BYTE_V2_FRAME;
/* Command Zip Packet 1byte V3 command class structs */
typedef struct _ZW_COMMAND_ZIP_PACKET_1BYTE_V3_FRAME_
    BYTE
             cmdClass;
                                               /* The command class */
                                              /* The command */
    BYTE
              cmd;
                                              /* masked byte */
             properties1;
    BYTE
                                              /* masked byte */
             properties2;
seqNo;
    BYTE
    BYTE
          properties3;
properties4;
headerLength;
headerExtension1;
                                              /* masked byte */
    BYTE
                                               /* masked byte */
    BYTE
    BYTE
BYTE zWaveCommand1;
} ZW_COMMAND_ZIP_PACKET_1BYTE_V3_FRAME;
/* Command Zip Packet 2byte V3 command class structs */
typedef struct _ZW_COMMAND_ZIP_PACKET_2BYTE_V3_FRAME_
                                               /* The command class */
             cmdClass;
                                              /* The command */
/* masked byte */
              cmd;
             properties1;
    BYTE
                                              /* masked byte */
    BYTE
             properties2;
             seqNo;
    BYTE
            seqNo;
properties3;
properties4;
headerLength;
headerExtension1;
headerExtension2;
zWaveCommand1;
zWaveCommand2:
                                              /* masked byte */
    BYTE
                                              /* masked byte */
/* MSB */
    BYTE
    BYTE
    BYTE
                                              /* LSB */
    BYTE
                                              /* MSB */
    BYTE
              zWaveCommand2;
                                              /* LSB */
    BYTE
} ZW COMMAND ZIP PACKET 2BYTE V3 FRAME;
typedef struct _ZW_COMMAND_ZIP_PACKET_3BYTE_V3_FRAME_
    BYTE
             cmdClass;
                                              /* The command class */
                                              /* The command */
    BYTE
              cmd;
             properties1;
                                              /* masked byte */
    BYTE
                                              /* masked byte */
    BYTE
              properties2;
                                              /**/
    BYTE
              seqNo;
             properties3;
                                             /* masked byte */
/* masked byte */
/**/
    BYTE
             properties4;
headerLength;
    BYTE
    BYTE
                                              /* MSB */
              headerExtension1;
    BYTE
    BYTE
              headerExtension2;
```

```
BYTE
            headerExtension3;
                                       /* LSB */
   BYTE
                                       /* MSB */
            zWaveCommand1;
   BYTE
            zWaveCommand2;
                                       /* LSB */
   BYTE
            zWaveCommand3;
} ZW_COMMAND_ZIP_PACKET_3BYTE_V3_FRAME;
/************************
/*Command Zip Packet 4byte V3 command class structs */
typedef struct _ZW_COMMAND_ZIP_PACKET_4BYTE_V3_FRAME_
                                       /* The command class */
           cmdClass;
                                       /* The command */
            cmd;
           properties1;
                                       /* masked byte */
   BYTE
                                       /* masked byte */
   BYTE
            properties2;
                                       /**/
   BYTE
            seqNo;
   BYTE
            properties3;
                                       /* masked byte */
   BYTE
           properties4;
                                       /* masked byte */
   BYTE
            headerLength;
   BYTE
           headerExtension1;
                                       /* MSB */
   BYTE
           headerExtension2;
   BYTE
           headerExtension3;
          headerExtension4;
zWaveCommand1;
zWaveCommand2;
                                       /* LSB */
   BYTE
   BYTE
   BYTE
          zWaveCommand3;
                                       /* LSB */
   BYTE
            zWaveCommand4;
} ZW_COMMAND_ZIP_PACKET_4BYTE_V3_FRAME;
typedef struct _ZW_COMMAND_COMMAND_CLASS_NOT_SUPPORTED_FRAME_
           cmdClass;
                                       /* The command class */
   BYTE
                                       /* The command */
           cmd;
          properties1;
offendingCommandClass;
                                       /* masked byte */
   BYTE
BYTE offendingCommand; /**
} ZW_COMMAND_COMMAND_CLASS_NOT_SUPPORTED_FRAME;
/* Switch Color Supported Get command class structs */
typedef struct _ZW_SWITCH_COLOR_SUPPORTED_GET_FRAME_
          cmdClass;
cmd;
                                       /* The command class */
   BYTE
} ZW_SWITCH_COLOR_SUPPORTED_GET_FRAME;
/* Switch Color Supported Report command class structs */
typedef struct _ZW_SWITCH_COLOR_SUPPORTED_REPORT_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
          cmd;
colorComponentMask1;
                                      /* The command */
   BYTE
                                       /* MSB */
            colorComponentMask2;
} ZW_SWITCH_COLOR_SUPPORTED_REPORT_FRAME;
typedef struct _ZW_SWITCH_COLOR_GET_FRAME_
                                       /\!\!\!\!\!^{\star} The command class */ /\!\!\!\!\!\!^{\star} The command */
           cmdClass;
   BYTE
   BYTE
           cmd:
            colorComponentId;
   BYTE
} ZW_SWITCH_COLOR_GET_FRAME;
typedef struct _ZW_SWITCH_COLOR_REPORT_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
   BYTE
            cmd;
                                       /* The command */
           colorComponentId;
   BYTE
            value;
   BYTE
} ZW_SWITCH_COLOR_REPORT_FRAME;
```

```
/********************
typedef struct _VG_SWITCH_COLOR_SET_VG_
          colorComponentId;
           value;
} VG_SWITCH_COLOR_SET_VG;
/* Switch Color Set 1byte command class structs */
typedef struct _ZW_SWITCH_COLOR_SET_1BYTE_FRAME_
   BYTE
           cmdClass;
                                       /\,^{\star} The command class ^{\star}/\,
                                       /* The command */
   BYTE
           cmd;
   BYTE
            properties1;
                                       /* masked byte */
   VG_SWITCH_COLOR_SET_VG variantgroup1;
} ZW_SWITCH_COLOR_SET_1BYTE_FRAME;
/* Switch Color Set 2byte command class structs */
typedef struct _ZW_SWITCH_COLOR_SET_2BYTE_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
                                       /* The command */
   BYTE
           cmd:
                                       /* masked byte */
           properties1;
   VG_SWITCH_COLOR_SET_VG variantgroup1;
VG_SWITCH_COLOR_SET_VG variantgroup2;
} ZW_SWITCH_COLOR_SET_2BYTE_FRAME;
typedef struct _ZW_SWITCH_COLOR_SET_3BYTE_FRAME_
                                       /* The command class */
   BYTE
            cmdClass;
                                       /* The command */
   BYTE
           cmd;
                                       /* masked byte */
           properties1;
   VG_SWITCH_COLOR_SET_VG variantgroup1;
VG_SWITCH_COLOR_SET_VG variantgroup2;
VG_SWITCH_COLOR_SET_VG variantgroup3;
                                                   /**/
} ZW_SWITCH_COLOR_SET_3BYTE_FRAME;
/* Switch Color Set 4byte command class structs */
typedef struct _ZW_SWITCH_COLOR_SET_4BYTE_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
                                       /* The command */
           cmd;
            properties1;
                                       /* masked byte */
   VG_SWITCH_COLOR_SET_VG variantgroup1;
VG_SWITCH_COLOR_SET_VG variantgroup2;
VG_SWITCH_COLOR_SET_VG variantgroup3;
VG_SWITCH_COLOR_SET_VG variantgroup4;
                                                  /**/
/**/
} ZW_SWITCH_COLOR_SET_4BYTE_FRAME;
typedef struct _ZW_SWITCH_COLOR_START_LEVEL_CHANGE_FRAME
   BYTE
           cmdClass;
                                       /\,\star\, The command class \,\star\,/\,
                                       /* The command */
   BYTE
           cmd;
                                       /* masked byte */
           properties1;
   BYTE
          colorComponentId;
   BYTE
            startLevel;
} ZW_SWITCH_COLOR_START_LEVEL_CHANGE_FRAME;
typedef struct _ZW_SWITCH_COLOR_STOP_LEVEL_CHANGE_FRAME_
                                       /\star The command class \star/
   BYTE
            cmdClass;
                                       /* The command */
   BYTE
           cmd;
            colorComponentId;
   BYTE
} ZW_SWITCH_COLOR_STOP_LEVEL_CHANGE_FRAME;
```

```
/**********************
/* Switch Color Supported Get V2 command class structs */
typedef struct _ZW_SWITCH_COLOR_SUPPORTED_GET_V2_FRAME_
                                      /* The command class */
         cmdClass;
} ZW_SWITCH_COLOR_SUPPORTED_GET_V2_FRAME;
/* Switch Color Supported Report V2 command class structs */
typedef struct _ZW_SWITCH_COLOR_SUPPORTED_REPORT_V2_FRAME_
       cmdClass; /* The corond; /* The corond; /* The corond colorComponentMaskl; /* MSB */
colorComponentMask2; /* LSB */
                                      /* The command class */
   BYTE
                                      /* The command */
   BYTE
   BYTE
} ZW_SWITCH_COLOR_SUPPORTED_REPORT_V2_FRAME;
typedef struct _ZW_SWITCH_COLOR_GET_V2_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
        cmd;
                                      /* The command */
   BYTE
           colorComponentId;
   BYTE
} ZW_SWITCH_COLOR_GET_V2_FRAME;
typedef struct _ZW_SWITCH_COLOR_REPORT_V2_FRAME
         cmdClass;
   BYTE
                                      /* The command class */
        cmd;
colorComponentId;
                                      /* The command */
   BYTE
   BYTE
   BYTE
           value;
} ZW_SWITCH_COLOR_REPORT_V2_FRAME;
typedef struct _VG_SWITCH_COLOR_SET_V2_VG_
   BYTE colorComponentId;
   BYTE
           value;
} VG_SWITCH_COLOR_SET_V2_VG;
/* Switch Color Set 1byte V2 command class structs */
typedef struct _ZW_SWITCH_COLOR_SET_1BYTE_V2_FRAME_
        cmdClass;
cmd;
                                      /* The command class */
   BYTE
                                      /* The command */
   BYTE
   BYTE
           properties1;
                                      /* masked byte */
   VG_SWITCH_COLOR_SET_V2_VG variantgroup1;
BYTE duration;
} ZW_SWITCH_COLOR_SET_1BYTE_V2_FRAME;
/* Switch Color Set 2byte V2 command class structs */
typedef struct _ZW_SWITCH_COLOR_SET_2BYTE_V2_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
          cmd;
                                      /* The command */
                                     /* masked byte */
           properties1;
   VG_SWITCH_COLOR_SET_V2_VG variantgroup1; /**/
VG_SWITCH_COLOR_SET_V2_VG variantgroup2; /**/
BYTE duration; /**/
} ZW_SWITCH_COLOR_SET_2BYTE_V2_FRAME;
/************************
/* Switch Color Set 3byte V2 command class structs */
typedef struct _ZW_SWITCH_COLOR_SET_3BYTE_V2_FRAME_
```

```
cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
            cmd;
   BYTE
            properties1;
                                        /* masked byte */
   VG_SWITCH_COLOR_SET_V2_VG variantgroup1;
VG_SWITCH_COLOR_SET_V2_VG variantgroup2;
VG_SWITCH_COLOR_SET_V2_VG variantgroup3;
BYTE duration;
} ZW_SWITCH_COLOR_SET_3BYTE_V2_FRAME;
/* Switch Color Set 4byte V2 command class structs */
typedef struct _ZW_SWITCH_COLOR_SET_4BYTE_V2_FRAME_
   BYTE
            cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
           cmd;
   BYTE properties1;

VG_SWITCH_COLOR_SET_V2_VG variantgroup1;

VG_SWITCH_COLOR_SET_V2_VG variantgroup2;

VG_SWITCH_COLOR_SET_V2_VG variantgroup3;

VG_SWITCH_COLOR_SET_V2_VG variantgroup4;

BYTE_duration:
                                          masked byte */
                                                      /**/
   BYTE
            duration;
} ZW_SWITCH_COLOR_SET_4BYTE_V2_FRAME;
typedef struct _ZW_SWITCH_COLOR_START_LEVEL_CHANGE_V2_FRAME
                                        /* The command class */
           cmdClass;
                                        /* The command */
   BYTE
          cmd;
                                        /* masked byte */
   BYTE
           properties1;
           colorComponentId;
   BYTE
   BYTE
            startLevel;
} ZW_SWITCH_COLOR_START_LEVEL_CHANGE_V2_FRAME;
/* Switch Color Stop Level Change V2 command class structs */
typedef struct _ZW_SWITCH_COLOR_STOP_LEVEL_CHANGE_V2_FRAME
            cmdClass;
                                       /* The command class */
                                        /* The command */
            cmd;
   BYTE
            colorComponentId;
} ZW_SWITCH_COLOR_STOP_LEVEL_CHANGE_V2_FRAME;
^{\prime\prime} Switch Color Supported Get V3 command class structs */
typedef struct _ZW_SWITCH_COLOR_SUPPORTED_GET_V3_FRAME_
           cmdClass;
                                        /* The command class */
   BYTE
                                       /* The command */
            cmd;
} ZW_SWITCH_COLOR_SUPPORTED_GET_V3_FRAME;
typedef struct _ZW_SWITCH_COLOR_SUPPORTED_REPORT_V3_FRAME_
          cmdClass;
                                        /* The command class */
   BYTE
                                        /* The command */
   BYTE
           cmd;
          colorComponentMask1;
                                       /* MSB */
   BYTE
            colorComponentMask2;
                                        /* LSB */
   BYTE
} ZW SWITCH COLOR SUPPORTED REPORT V3 FRAME;
typedef struct _ZW_SWITCH_COLOR_GET_V3_FRAME_
   BYTE
           cmdClass;
                                        /* The command class */
          cmd;
                                        /* The command */
   BYTE
            colorComponentId;
   BYTE
} ZW_SWITCH_COLOR_GET_V3_FRAME;
/**********************
typedef struct _ZW_SWITCH_COLOR_REPORT_V3_FRAME_
```

```
cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
                                      /**/
/**/
   BYTE
           colorComponentId;
   BYTE
           currentValue;
            targetValue;
   BYTE
           duration;
   BYTE
} ZW_SWITCH_COLOR_REPORT_V3_FRAME;
typedef struct _VG_SWITCH_COLOR_SET_V3_VG_
   BYTE colorComponentId;
   BYTE
           value;
} VG_SWITCH_COLOR_SET_V3_VG;
/* Switch Color Set 1byte V3 command class structs */
/********************
typedef struct _ZW_SWITCH_COLOR_SET_1BYTE_V3_FRAME_
         cmdClass;
cmd;
properties1;
colop SET V3_VG variantg:
   BYTE
                                      /* The command class */
                                      /* The command */
   BYTE
                                      /* masked byte */
   VG_SWITCH_COLOR_SET_V3_VG variantgroup1;
BYTE duration;
} ZW_SWITCH_COLOR_SET_1BYTE_V3_FRAME;
/* Switch Color Set 2byte V3 command class structs */
typedef struct _ZW_SWITCH_COLOR_SET_2BYTE_V3_FRAME_
           cmdClass;
                                      /* The command class */
   BYTE
          cmd;
properties1;
                                      /* The command */
                                     /* masked byte */
   BYTE
   } ZW_SWITCH_COLOR_SET_2BYTE_V3_FRAME;
typedef struct _ZW_SWITCH_COLOR_SET_3BYTE_V3_FRAME_
           cmdClass;
   BYTE
                                     /* The command */
/* masked byte */
   BYTE
           cmd;
          properties1;
   BYTE
   /*
VG_SWITCH_COLOR_SET_V3_VG variantgroup1;
VG_SWITCH_COLOR_SET_V3_VG variantgroup2;
VG_SWITCH_COLOR_SET_V3_VG variantgroup3;
BYTE duration;
/*
} ZW_SWITCH_COLOR_SET_3BYTE_V3_FRAME;
typedef struct _ZW_SWITCH_COLOR_SET_4BYTE_V3_FRAME_
           cmdClass;
                                      /* The command class */
   BYTE
                                      /* The command */
   BYTE
           cmd;
                                      /* masked byte */
           properties1;
   BYTE
   DFORE properties;

VG_SWITCH_COLOR_SET_V3_VG variantgroup1;

VG_SWITCH_COLOR_SET_V3_VG variantgroup2;

VG_SWITCH_COLOR_SET_V3_VG variantgroup3;

VG_SWITCH_COLOR_SET_V3_VG variantgroup4;

BYTE duration;
                                                    /**/
} ZW_SWITCH_COLOR_SET_4BYTE_V3_FRAME;
typedef struct _ZW_SWITCH_COLOR_START_LEVEL_CHANGE_V3_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
                                      /* masked byte */
          properties1;
   BYTE
   BYTE
           colorComponentId;
           startLevel;
```

```
duration;
} ZW_SWITCH_COLOR_START_LEVEL_CHANGE_V3_FRAME;
/* Switch Color Stop Level Change V3 command class structs */
typedef struct _ZW_SWITCH_COLOR_STOP_LEVEL_CHANGE_V3_FRAME
                                            /\,^{\star} The command class ^{\star}/\,
            cmdClass;
                                           /* The command */
         cmd;
colorComponentId;
   BYTE
   BYTE
} ZW_SWITCH_COLOR_STOP_LEVEL_CHANGE_V3_FRAME;
/* Schedule Supported Get command class structs */
typedef struct _ZW_SCHEDULE_SUPPORTED_GET_FRAME_
         cmdClass;
cmd;
                                            /* The command class */
                                           /* The command */
} ZW_SCHEDULE_SUPPORTED_GET_FRAME;
/* Schedule Supported Report variant group structs */
typedef struct _VG_SCHEDULE_SUPPORTED_REPORT_VG_
          supportedCc;
   BYTE
                                           /* masked byte */
             properties2;
} VG_SCHEDULE_SUPPORTED_REPORT_VG;
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_1BYTE_FRAME_
   BYTE cmdClass; /* The command */
BYTE cmd; /* The command */
BYTE numberOfSupportedScheduleId; /**/
BYTE properties1; /* masked byte */
BYTE numberOfSupportedCc; /**/

SYTE SUPPORTED_REPORT_VG variantgroup1; /* masked byte */
                                           /* The command class */
         properties3;
} ZW_SCHEDULE_SUPPORTED_REPORT_1BYTE_FRAME;
/* Schedule Supported Report 2byte command class structs */
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_FRAME_
                                           /* The command class */
   BYTE
           cmdClass;
         cmd; /* TI
numberOfSupportedScheduleId; /**/
properties1; /* mimberOfSupportedCc; /**/
                                            /* The command */
   BYTE
                                           /* masked byte */
                                          ,
/**/
   VG_SCHEDULE_SUPPORTED_REPORT_VG_variantgroup1;
VG_SCHEDULE_SUPPORTED_REPORT_VG_variantgroup2;
BYTE properties3; /* mas
          properties3;
                                            /* masked byte */
} ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_FRAME;
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_3BYTE_FRAME_
          cmdc: /* The cmd; /* The cmd; /* The numberOfSupportedScheduleId; /**/
properties1; /**/
                                            /* The command class */
                                            /* The command */
   BYTE
   BYTE
                                           /* masked byte */
             numberOfSupportedCc;
   VG_SCHEDULE_SUPPORTED_REPORT_VG_variantgroup1;
VG_SCHEDULE_SUPPORTED_REPORT_VG_variantgroup2;
VG_SCHEDULE_SUPPORTED_REPORT_VG_variantgroup3;
             properties3;
                                           /* masked byte */
} ZW_SCHEDULE_SUPPORTED_REPORT_3BYTE_FRAME;
/* Schedule Supported Report 4byte command class structs */
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_FRAME
```

```
/* The command class */
/* The command */
             cmdClass;
             cmd;
             numberOfSupportedScheduleId; /**/
    BYTE
                                           /* masked byte */
   BYTE
            properties1;
   BYTE properties; / ^ mas)
BYTE numberOfSupportedCc; /**/
VG SCHEDULE SUPPORTED REPORT VG variantgroup1;
VG_SCHEDULE_SUPPORTED_REPORT_VG variantgroup2;
VG_SCHEDULE_SUPPORTED_REPORT_VG variantgroup3;
VG_SCHEDULE_SUPPORTED_REPORT_VG variantgroup4;

VG_SCHEDULE_SUPPORTED_REPORT_VG variantgroup4;
    BYTE
             properties3;
                                           /* masked byte */
} ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_FRAME;
/* Command Schedule Set variant group structs */
typedef struct _VG_COMMAND_SCHEDULE_SET_1BYTE_VG_
           cmdLength;
cmdByte1;
} VG_COMMAND_SCHEDULE_SET_1BYTE_VG;
typedef struct _VG_COMMAND_SCHEDULE_SET_2BYTE_VG_
   BYTE
             cmdLength;
   BYTE cmdByte1;
BYTE cmdByte2;
                                            /* MSB */
                                           /* LSB */
} VG_COMMAND_SCHEDULE_SET_2BYTE_VG;
typedef struct _VG_COMMAND_SCHEDULE_SET_3BYTE_VG_
          cmdLength;
cmdByte1;
cmdByte2;
cmdByte3;
    BYTE
                                           /* MSB */
    BYTE
   BYTE
                                           /* LSB */
             cmdByte3;
   BYTE
} VG_COMMAND_SCHEDULE_SET_3BYTE_VG;
typedef struct _VG_COMMAND_SCHEDULE_SET_4BYTE VG
    BYTE
            cmdLength;
         cmdByte1;
cmdByte2;
cmdByte2;
cmdByte3;
                                           /* MSB */
   BYTE
   BYTE
   BYTE
                                           /* LSB */
   BYTE
             cmdByte4;
} VG_COMMAND_SCHEDULE_SET_4BYTE_VG;
/* Command Schedule Set 1byte command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_SET_1BYTE FRAME
                                            /* The command class */
    BYTE
             cmdClass;
                                            ^{\prime} /* The command */
    BYTE
             cmd;
                                           /**/
             scheduleId;
   BYTE
                                           /**/
   BYTE
             userIdentifier:
                                            /**/
             startYear;
   BYTE
            properties1;
                                            /* masked byte */
                                           /* masked byte */
/* masked byte */
/* masked byte */
    BYTE
             properties2;
            properties3;
    BYTE
           propertiess;
propertiess;
durationByte1;
durationByte2;
reportsToFollow;
numberOfCmdToTol
   BYTE
                                           /* masked byte */
    BYTE
                                           /* MSB */
    BYTE
    BYTE
BYTE numberOfCmdToFollow; /**/
VG_COMMAND_SCHEDULE_SET_4BYTE_VG variantgroup1;
} ZW_COMMAND_SCHEDULE_SET_1BYTE_FRAME;
/* Command Schedule Set 2byte command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_SET_2BYTE_FRAME
```

```
BYTE
               cmdClass;
                                                  /* The command class */
                                                  ^{\prime} /* The command */
    BYTE
               cmd;
                                                  /**/
/**/
    BYTE
                scheduleId;
    BYTE
               userIdentifier;
                                                  /**/
    BYTE
               startYear;
                                                  /* masked byte */
               properties1;
    BYTE
                                                  /* masked byte */
    BYTE
               properties2;
                                                  /* masked byte */
/* masked byte */
               properties3;
    BYTE
               properties4;
                                                 /* masked byte */
    BYTE
               properties5;
                                                  /* MSB */
    BYTE
               durationByte1;
                                                  /* LSB */
    BYTE
               durationByte2;
               reportsToFollow;
                                                  /**/
               numberOfCmdToFollow;
VG_COMMAND_SCHEDULE_SET_4BYTE_VG_variantgroup1;
VG_COMMAND_SCHEDULE_SET_4BYTE_VG_variantgroup2;
} ZW_COMMAND_SCHEDULE_SET_2BYTE_FRAME;
/* Command Schedule Set 3byte command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_SET_3BYTE_FRAME_
    BYTE
               cmdClass;
                                                  /* The command class */
    BYTE
               cmd;
                                                  /* The command */
                                                  /**/
    BYTE
               scheduleId;
                                                  /**/
    BYTE
               userIdentifier;
                                                  /**/
               startYear;
properties1;
    BYTE
                                                  /* masked byte */
    BYTE
                                                 /* masked byte */
/* masked byte */
/* masked byte */
    BYTE
               properties2;
    BYTE
               properties3;
    BYTE
               properties4;
                                                 /* masked byte */
               properties5;
durationByte1;
    BYTE
                                                 /* MSB */
    BYTE
               durationByte2;
                                                  /* LSB */
    BYTE
               reportsToFollow;
               numberOfCmdToFollow;
VG_COMMAND_SCHEDULE_SET_4BYTE_VG_variantgroup1;
VG_COMMAND_SCHEDULE_SET_4BYTE_VG_variantgroup2;
VG_COMMAND_SCHEDULE_SET_4BYTE_VG_variantgroup3;
} ZW_COMMAND_SCHEDULE_SET_3BYTE_FRAME;
typedef struct _ZW_COMMAND_SCHEDULE_SET_4BYTE_FRAME_
    BYTE
               cmdClass;
                                                  /* The command class */
                                                  /* The command */
    BYTE
               cmd;
               scheduleId;
                                                  /**/
    RYTE
                                                 /**/
               userIdentifier;
    BYTE
                                                  /**/
    BYTE
               startYear;
                                                 /* masked byte */
/* masked byte */
/* masked byte */
/* masked byte */
               properties1;
               properties2;
    BYTE
               properties3;
    BYTE
    BYTE
               properties4;
                                                 /* masked byte */
    BYTE
               properties5;
durationByte1;
                                                  /* MSB */
    BYTE
                                                  /* LSB */
               durationByte2;
               reportsToFollow;
    BYTE
    BYTE numberOfCmdToFollow; /**/
VG_COMMAND_SCHEDULE_SET_4BYTE_VG_variantgroup1;
VG_COMMAND_SCHEDULE_SET_4BYTE_VG_variantgroup2;
VG_COMMAND_SCHEDULE_SET_4BYTE_VG_variantgroup3;
VG_COMMAND_SCHEDULE_SET_4BYTE_VG_variantgroup4;
} ZW_COMMAND_SCHEDULE_SET_4BYTE_FRAME;
/* Command Schedule Get command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_GET_FRAME_
                                                 /* The command class */
/* The command */
    BYTE
               cmdClass;
    BYTE
               cmd;
               scheduleId;
    BYTE
} ZW COMMAND SCHEDULE GET FRAME;
typedef struct _VG_COMMAND_SCHEDULE_REPORT_1BYTE_VG_
```

```
cmdLength;
cmdByte1;
                                       /**/
   BYTE
} VG_COMMAND_SCHEDULE_REPORT_1BYTE_VG;
/* Command Schedule Report variant group structs */
typedef struct _VG_COMMAND_SCHEDULE_REPORT_2BYTE_VG_
   BYTE
           cmdLength;
          cmdByte1;
                                       /* MSB */
   BYTE
            cmdByte2;
} VG_COMMAND_SCHEDULE_REPORT_2BYTE_VG;
  typedef struct _VG_COMMAND_SCHEDULE_REPORT_3BYTE_VG_
        cmdLength;
cmdByte1;
cmdByte2;
cmdByte3;
   BYTE
                                       /* MSB */
   BYTE
   BYTE
                                       /* LSB */
} VG COMMAND SCHEDULE REPORT 3BYTE VG;
typedef struct _VG_COMMAND_SCHEDULE_REPORT_4BYTE_VG_
   BYTE
           cmdLength;
                                       /* MSB */
   BYTE
          cmdByte1;
   BYTE
           cmdByte2;
          cmdByte3;
cmdByte4;
   BYTE
                                       /* LSB */
} VG_COMMAND_SCHEDULE_REPORT_4BYTE_VG;
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_1BYTE_FRAME_
   BYTE
          cmdClass;
                                       /* The command class */
                                       /* The command */
          cmd;
   BYTE
           scheduleId;
   BYTE
                                       /**/
   BYTE
           userIdentifier;
                                      /**/
/* masked byte */
/* masked byte */
/* masked byte */
   BYTE
           startYear;
   BYTE
           properties1;
   RYTE
           properties2;
   BYTE
           properties3;
           properties4;
                                       /* masked byte */
   BYTE
                                      /* masked byte */
/* MSB */
           properties5;
   BYTE
           durationByte1;
                                       /* LSB */
   BYTE
           durationByte2;
   BYTE
           reportsToFollow;
   BYTE numberOfCmdToFollow; /**/
VG_COMMAND_SCHEDULE_REPORT_4BYTE_VG variantgroup1;
} ZW_COMMAND_SCHEDULE_REPORT_1BYTE_FRAME;
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_2BYTE_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
                                       /* The command */
   BYTE
           cmd;
           scheduleId;
   BYTE
                                       /**/
   BYTE
           userIdentifier;
                                       /**/
   BYTE
           startYear;
                                       /* masked byte */
/* masked byte */
/* masked byte */
/* masked byte */
           properties1;
   BYTE
           properties2;
   BYTE
           properties3;
          propertiess;
properties4;
properties5;
durationByte1;
durationByte2;
   BYTE
                                       /* masked byte */
   BYTE
                                       /* MSB */
/* LSB */
   BYTE
   BYTE
   BYTE
           reportsToFollow;
   BYTE numberOfCmdToFollow; /**/
VG_COMMAND_SCHEDULE_REPORT_4BYTE_VG variantgroup1;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_VG variantgroup2;
                                       /**/
```

```
} ZW COMMAND SCHEDULE REPORT 2BYTE FRAME;
/* Command Schedule Report 3byte command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_3BYTE_FRAME_
                                                   /* The command class */
/* The command */
/**/
     BYTE
                cmdClass;
     BYTE
               cmd;
               scheduleId;
     BYTE
                                                   /**/
     BYTE
               userIdentifier;
                                                   /**/
     BYTE
               startYear;
                                                  /* masked byte */
               properties1;
     BYTE
               properties2;
    BYTE
               properties3;
             properties3;
properties4;
properties5;
durationByte1;
durationByte2;
     BYTE
     BYTE
                                                   /* MSB */
     BYTE
                                                  /* LSB */
     BYTE
              reportsToFollow;
                                                  /**/
/**/
     BYTE
    BYTE numberOfCmdToFollow; /**/
VG_COMMAND_SCHEDULE_REPORT_4BYTE_VG_variantgroup1;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_VG_variantgroup2;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_VG_variantgroup3;
} ZW COMMAND SCHEDULE REPORT 3BYTE FRAME;
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_4BYTE_FRAME_
                                                   /\star The command class \star/
     BYTE
               cmdClass;
                                                   /* The command */
    BYTE
               cmd;
               scheduleId;
     BYTE
               userIdentifier;
                                                   /**/
     BYTE
                                                   /**/
               startYear;
                                                  /* masked byte */
/* masked byte */
/* masked byte */
/* masked byte */
     BYTE
               properties1;
     BYTE
              properties2;
     RYTE
               properties3;
               properties4;
properties5;
     BYTE
                                                  /* masked byte */
/* MSB */
/* LSB */
     BYTE
               durationByte1;
     BYTE
               durationByte2;
    BYTE
               reportsToFollow;
BYTE numberOfCmdToFollow; /**/
VG_COMMAND_SCHEDULE_REPORT_4BYTE_VG_variantgroup1;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_VG_variantgroup2;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_VG_variantgroup3;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_VG_variantgroup4;
} ZW_COMMAND_SCHEDULE_REPORT_4BYTE_FRAME;
    **********************
/* Schedule Remove command class structs */
typedef struct _ZW_SCHEDULE_REMOVE_FRAME_
            cmdClass;
cmd;
school
     BYTE
                                                   /* The command class */
                                                   /* The command */
    BYTE
                scheduleId;
} ZW_SCHEDULE_REMOVE_FRAME;
typedef struct _ZW_SCHEDULE_STATE_SET_FRAME_
                                                   /\!\!\!\!\!^{\star} The command class */ /\!\!\!\!\!\!^{\star} The command */
               cmdClass;
     BYTE
            cmd;
scheduleId;
     BYTE
     BYTE
                scheduleState;
} ZW_SCHEDULE_STATE_SET_FRAME;
typedef struct _ZW_SCHEDULE_STATE_GET_FRAME_
              cmdClass;
                                                   /* The command class */
     BYTE
                                                   /* The command */
    BYTE
                cmd:
} ZW_SCHEDULE_STATE_GET_FRAME;
```

```
.
typedef struct _ZW_SCHEDULE_STATE_REPORT_FRAME_
           cmdClass; /* The command class; cmd; /* The command class; cmd; /* The command */ numberOfSupportedScheduleId; /**/
properties1; /* masked byte */ properties2; /* masked byte */ properties3; /* masked byte */
    BYTE
                                                    /* The command class */
    BYTE
    BYTE
                                                   /* masked byte */
    BYTE
               properties3;
} ZW_SCHEDULE_STATE_REPORT_FRAME;
typedef struct _ZW_SCHEDULE_SUPPORTED_GET_V2_FRAME_
    BYTE
              cmdClass;
                                                    /* The command class */
    BYTE
           cmd;
scheduleIdBlock;
                                                   /* The command */
    BYTE
} ZW_SCHEDULE_SUPPORTED_GET_V2_FRAME;
/* Schedule Supported Report V2 variant group structs */
typedef struct _VG_SCHEDULE_SUPPORTED_REPORT_V2_VG_
            supportedCc;
                                                   /* masked byte */
                properties2;
VG_SCHEDULE_SUPPORTED_REPORT_V2_VG;
   /* Schedule Supported Report 1byte V2 command class structs */
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_1BYTE_V2_FRAME_
            /* The command class */
    BYTE
                                                   /* The command */
    BYTE
    BYTE
                                                   /* masked byte */
    UMDOPTOLISUPPORTED_REPORT_V2_VG variantgroup1;

BYTE properties3; /* masked byte */

BYTE scheduleIdBlock; /**/

BYTE numberOfSupportedScheduleBlocks; /**/

W SCHEDULE SUPPORTED_REPORT 19/07/14/
} ZW SCHEDULE_SUPPORTED_REPORT_1BYTE_V2_FRAME;
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_V2 FRAME
   BYTE cmdClass; /* The command cla
BYTE cmd; /* The command cla
BYTE numberOfSupportedScheduleId; /**/
BYTE properties1; /* masked byte */
BYTE numberOfSupportedCc; /**/
VG_SCHEDULE_SUPPORTED_REPORT_V2_VG variantgroup1;
VG_SCHEDULE_SUPPORTED_REPORT_V2_VG variantgroup2;
BYTE properties3; /* masked byte */
scheduleIdBlock; /**/
                                                   /\star The command class \star/
                                                                                  /**/
               numberOfSupportedScheduleBlocks;/**/
    BYTE
} ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_V2_FRAME;
   typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_3BYTE_V2_FRAME_
    BYTE cmdClass; /* The command clast cmd; /* The command clast cmd; /* The command */
BYTE numberOfSupportedScheduleId; /**/
BYTE properties1; /* masked byte */
BYTE numberOfSupportedCc; /**/
VG_SCHEDULE_SUPPORTED_REPORT_V2_VG variantgroup1; VG_SCHEDULE_SUPPORTED_REPORT_V2_VG variantgroup2; VG_SCHEDULE_SUPPORTED_REPORT_V2_VG variantgroup3; RYTE properties3; /* masked byte */
                                                   /* The command class */
           properties3;
                                      /* masked byte */
/**/
    BYTE
                scheduleIdBlock;
    BYTE
               numberOfSupportedScheduleBlocks;/**/
    BYTE
```

```
} ZW SCHEDULE SUPPORTED REPORT 3BYTE V2 FRAME;
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_V2 FRAME
            BYTE
   BYTE
   BYTE
           properties1;
                                           /* masked byte */
   BYTE
   POPELIEST, / masked
BYTE numberOfSupportedCc; /**/
VG SCHEDULE SUPPORTED REPORT_V2_VG variantgroup1;
VG_SCHEDULE_SUPPORTED_REPORT_V2_VG variantgroup2;
VG_SCHEDULE_SUPPORTED_REPORT_V2_VG variantgroup3;
VG_SCHEDULE_SUPPORTED_REPORT_V2_VG variantgroup4;
VG_SCHEDULE_SUPPORTED_REPORT_V2_VG variantgroup4;

VG_SCHEDULE_SUPPORTED_REPORT_V2_VG variantgroup4;
             properties3;
                                              masked byte */
           scheduleIdBlock; /**/
numberOfSupportedScheduleBlocks;/**/
} ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_V2_FRAME;
typedef struct _VG_COMMAND_SCHEDULE_SET_1BYTE_V2_VG_
   BYTE
           cmdLength;
             cmdByte1;
   BYTE
} VG_COMMAND_SCHEDULE_SET_1BYTE_V2_VG;
typedef struct _VG_COMMAND_SCHEDULE_SET_2BYTE_V2_VG_
   BYTE
            cmdLength;
          cmdByte1;
cmdByte2;
   BYTE
                                           /* MSB */
   BYTE
} VG_COMMAND_SCHEDULE_SET_2BYTE_V2_VG;
/
/* Command Schedule Set V2 variant group structs */
typedef struct _VG_COMMAND_SCHEDULE_SET_3BYTE_V2_VG_
          cmdLength;
cmdByte1;
cmdByte2;
                                           /* MSB */
                                            /* LSB */
   BYTE
             cmdByte3;
} VG_COMMAND_SCHEDULE_SET_3BYTE_V2_VG;
/* Command Schedule Set V2 variant group structs */
typedef struct _VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG_
           cmdLength;
cmdByte1;
cmdByte2;
cmdByte3;
   BYTE
                                           /* MSB */
   BYTE
   BYTE
                                           /* LSB */
   BYTE
             cmdBvte4;
} VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG;
/* Command Schedule Set 1byte V2 command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_SET_1BYTE_V2_FRAME_
   BYTE
            cmdClass;
                                           /* The command class */
                                            /* The command */
   BYTE
            cmd;
                                           /**/
/**/
/**/
            scheduleId;
   BYTE
             scheduleIdBlock;
   BYTE
             startYear;
             properties1;
                                           /* masked byte */
   BYTE
            properties2;
                                           /* masked byte */
   BYTE
            properties3;
properties4;
                                           /* masked byte */
   BYTE
                                           /* masked byte */
/* masked byte */
/* MSB */
   BYTE
            properties5;
durationByte1;
   BYTE
   RYTE
                                            /* LSB */
            durationByte2;
   BYTE
             reportsToFollow;
```

```
numberOfCmdToFollow;
    VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG variantgroup1;
                                                                                   /**/
} ZW_COMMAND_SCHEDULE_SET_1BYTE_V2_FRAME;
/* Command Schedule Set 2byte V2 command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_SET_2BYTE_V2_FRAME_
                                                   /* The command class */
    BYTE
               cmdClass;
                                                   /* The command */
    BYTE
               cmd;
                                                   /**/
               scheduleId;
    BYTE
                scheduleIdBlock;
                                                   /**/
                                                    /**/
    BYTE
               startYear;
                                                    /* masked byte */
    BYTE
               properties1;
                                                   /* masked byte */
/* masked byte */
/* masked byte */
               properties2;
properties3;
    BYTE
    BYTE
    BYTE
               properties4;
                                                   /* masked byte */
                                                   /* masked byte */
    BYTE
               properties5;
                                                   /* MSB */
/* LSB */
    BYTE
                durationBytel;
    BYTE
               durationByte2;
               reportsToFollow;
numberOfCmdToFollow;
    BYTE
    BYTE
    VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG_variantgroup1;
VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG_variantgroup2;
} ZW_COMMAND_SCHEDULE_SET_2BYTE_V2_FRAME;
   typedef struct _ZW_COMMAND_SCHEDULE_SET_3BYTE_V2_FRAME_
                                                   /* The command class */
/* The command */
               cmdClass;
    BYTE
    BYTE
               cmd;
               scheduleId;
                                                    /**/
    BYTE
                                                   /**/
/**/
               scheduleIdBlock;
    BYTE
                startYear;
                                                   /* masked byte */
/* masked byte */
    BYTE
              properties1;
    BYTE
               properties2;
                                                   /* masked byte */
               properties3;
properties4;
    BYTE
                                                   /* masked byte */
    BYTE
                                                   /* masked byte */
/* MSB */
/* LSB */
               properties5;
    BYTE
                durationByte1;
    BYTE
               durationByte2;
              reportsToFollow;
numberOfCmdToFollow;
    BYTE
VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG variantgroup1;
VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG variantgroup2;
VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG variantgroup3;
} ZW_COMMAND_SCHEDULE_SET_3BYTE_V2_FRAME;
    ****************
/* Command Schedule Set 4byte V2 command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_SET_4BYTE_V2_FRAME_
               cmdClass;
                                                    /* The command class */
    BYTE
                                                    /* The command */
    BYTE
               cmd;
                                                   /**/
/**/
/**/
    BYTE
               scheduleId;
    BYTE
                scheduleIdBlock;
    BYTE
                startYear;
                                                   /* masked byte */
               properties1;
    BYTE
                                                   /* masked byte */
/* masked byte */
/* masked byte */
                properties2;
    BYTE
               properties3;
    BYTE
                                                   /* masked byte */
/* masked byte */
/* MSB */
               properties4;
    BYTE
               properties5;
    BYTE
                durationByte1;
                                                   /* LSB */
    BYTE
               durationByte2;
              reportsToFollow;
numberOfCmdToFollow;
    BYTE
VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG variantgroup1;
VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG variantgroup2;
VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG variantgroup3;
VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG variantgroup4;
} ZW_COMMAND_SCHEDULE_SET_4BYTE_V2_FRAME;
/************************
/* Command Schedule Get V2 command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_GET_V2_FRAME
```

BYTE

```
cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
          cmd;
   BYTE
           scheduleId;
   BYTE
            \verb|scheduleIdBlock|;
} ZW_COMMAND_SCHEDULE_GET_V2_FRAME;
typedef struct _VG_COMMAND_SCHEDULE_REPORT_1BYTE_V2_VG_
         cmdLength;
            cmdByte1;
} VG_COMMAND_SCHEDULE_REPORT_1BYTE_V2_VG;
  typedef struct _VG_COMMAND_SCHEDULE_REPORT_2BYTE_V2_VG_
        cmdLength;
cmdByte1;
cmdByte2:
   BYTE
                                      /* MSB */
   BYTE
                                      /* LSB */
           cmdByte2;
   BYTE
} VG_COMMAND_SCHEDULE_REPORT_2BYTE_V2_VG;
/* Command Schedule Report V2 variant group structs */
typedef struct _VG_COMMAND_SCHEDULE_REPORT_3BYTE_V2_VG_
   BYTE
          cmdLength;
                                      /* MSB */
       cmdByte1;
cmdByte2;
cmdByte3;
   BYTE
   BYTE
                                      /* LSB */
   BYTE
} VG_COMMAND_SCHEDULE_REPORT_3BYTE_V2_VG;
/* Command Schedule Report V2 variant group structs */
typedef struct _VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG_
           cmdLength;
        cmdByte1;
cmdByte2;
cmdByte3;
   BYTE
                                     /* MSB */
   BYTE
   BYTE
                                     /* LSB */
           cmdBvte4;
} VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG;
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_1BYTE_V2_FRAME_
         cmdClass;
cmd;
scheduleId;
                                      /* The command class */
   BYTE
                                      /* The command */
   BYTE
                                      /**/
   BYTE
          scheduleIdBlock;
startYear;
                                     /**/
   BYTE
                                      /**/
                                     /* masked byte */
   BYTE
           properties1;
   BYTE
           properties2;
          properties3;
properties4;
   BYTE
   BYTE
          properties5;
durationByte1;
durationByte2;
reportsToFollow;
                                     /* masked byte */
   BYTE
                                     /* MSB */
   BYTE
                                     /* LSB */
   BYTE numberOfCmdToFollow; /**/
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG variantgroup1;
                                                               /**/
} ZW_COMMAND_SCHEDULE_REPORT_1BYTE_V2_FRAME;
/* Command Schedule Report 2byte V2 command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_2BYTE_V2_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
/**/
/**/
   BYTE
           scheduleId;
           scheduleIdBlock;
   RYTE
           startYear;
                                      /**/
   BYTE
           properties1;
                                      /* masked byte */
```

```
properties2;
                                                  /* masked byte */
                                                  /* masked byte */
               properties3;
    BYTE
                                                 /* masked byte */
    BYTE
               properties4;
                                                 /* masked byte */
/* MSB */
    BYTE
               properties5;
               durationByte1;
    BYTE
                                                 /* LSB */
               durationByte2;
    BYTE
              reportsToFollow;
                                                 /**/
               numberOfCmdToFollow;
                                                 /**/
    VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG_variantgroup1;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG_variantgroup2;
} ZW_COMMAND_SCHEDULE_REPORT_2BYTE_V2_FRAME;
/* Command Schedule Report 3byte V2 command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_3BYTE_V2_FRAME_
               cmdClass;
                                                 /* The command class */
                                                 /* The command */
    BYTE
              cmd;
                                                 /**/
/**/
    BYTE
               scheduleId;
    BYTE
               scheduleIdBlock;
                                                 /**/
    BYTE
               startYear;
                                                 /* masked byte */
               properties1;
    BYTE
              properties2;
                                                 /* masked byte */
                                                 /* masked byte */
/* masked byte */
/* masked byte */
    BYTE
              properties3;
    BYTE
               properties4;
    BYTE
               properties5;
              durationByte1;
durationByte2;
                                                 /* MSB */
    BYTE
                                                 /* LSB */
    BYTE
               reportsToFollow;
                                                 /**/
               numberOfCmdToFollow;
    BYTE
    VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG_variantgroup1;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG_variantgroup2;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG_variantgroup3;
} ZW_COMMAND_SCHEDULE_REPORT_3BYTE_V2_FRAME;
/* Command Schedule Report 4byte V2 command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_4BYTE_V2_FRAME_
               cmdClass;
                                                 /* The command class */
                                                 /* The command cla
/* The command */
/**/
    BYTE
               cmd;
               scheduleId;
    BYTE
                                                 /**/
    BYTE
               scheduleIdBlock;
    BYTE
               startYear;
                                                 /* masked byte */
/* masked byte */
/* masked byte */
               properties1;
    BYTE
    BYTE
               properties2;
    BYTE
               properties3;
                                                 /* masked byte */
    RYTE
               properties4;
                                                 /* masked byte */
    BYTE
               properties5;
              durationByte1;
                                                 /* MSB */
    BYTE
              durationByte2;
                                                 /* LSB */
               reportsToFollow;
    BYTE numberOfCmdToFollow; /**/
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG_variantgroup1;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG_variantgroup2;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG_variantgroup3;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG_variantgroup4;
} ZW_COMMAND_SCHEDULE_REPORT_4BYTE_V2_FRAME;
/* Schedule Remove V2 command class structs */
typedef struct _ZW_SCHEDULE_REMOVE_V2_FRAME_
                                                 /\!\!\!\!\!^{\star} The command class */ /\!\!\!\!\!\!^{\star} The command */
               cmdClass;
    BYTE
    BYTE
              cmd:
            scheduleId;
    BYTE
               scheduleIdBlock;
} ZW_SCHEDULE_REMOVE_V2_FRAME;
typedef struct _ZW_SCHEDULE_STATE_SET_V2_FRAME_
                                                  /* The command class */
    BYTE
               cmdClass;
                                                 /* The command */
    RYTE
               cmd;
               scheduleId;
    BYTE
               scheduleState;
```

```
scheduleIdBlock;
} ZW_SCHEDULE_STATE_SET_V2_FRAME;
/* Schedule State Get V2 command class structs */
typedef struct _ZW_SCHEDULE_STATE_GET_V2_FRAME_
         cmdClass;
                                  cmd;
                                  /* The command */
   BYTE
          scheduleIdBlock;
  BYTE
} ZW_SCHEDULE_STATE_GET_V2_FRAME;
/***********************
/* Schedule State Report V2 command class structs */
typedef struct _ZW_SCHEDULE_STATE_REPORT_V2_FRAME_
   BYTE
          cmdClass;
                                  /* The command class */
         numberOfSupportedScheduleId; /**/
properties1:
  BYTE
  BYTE
          properties1;
  BYTE
        properties2;
properties3;
scheduleIdBle
                                  /* masked byte */
  BYTE
                                  /* masked byte */
          scheduleIdBlock;
} ZW_SCHEDULE_STATE_REPORT_V2_FRAME;
typedef struct _ZW_SCHEDULE_SUPPORTED_GET_V3_FRAME_
                                  /* The command class */
/* The command */
          cmdClass;
  BYTE
       cmd;
  BYTE
          scheduleIdBlock;
  BYTE
} ZW_SCHEDULE_SUPPORTED_GET_V3_FRAME;
typedef struct _VG_SCHEDULE_SUPPORTED_REPORT_V3_VG_
                                  /**/
       supportedCc;
                                  /* masked byte */
  BYTE
          properties2;
} VG_SCHEDULE_SUPPORTED_REPORT_V3_VG;
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_1BYTE_V3_FRAME_
                                  /* The command class */
   BYTE
          cmdClass;
                                  /* The command */
          cmd;
        cmd; /* Tr
numberOfSupportedScheduleId; /**/
properties1; /* ma
numberOfSupportedCc; /**/
                                  /* masked byte */
   BYTE
   BYTE
  VG_SCHEDULE_SUPPORTED_REPORT_V3_VG variantgroup1;
BYTE properties3; /* masked byte */
BYTE scheduleIdBlock; /**/
BYTE numberOfSupportedScheduleBlocks;/**/
                                                      /**/
} ZW_SCHEDULE_SUPPORTED_REPORT_1BYTE_V3_FRAME;
  typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_V3_FRAME_
         cmdClass;
                                  /* The command class */
   BYTE
         cmd;
numberOfSupportedScheduleId;
                                  /* The command */
   BYTE
                                 /**/
         properties1;
                                  /* masked byte */
  } ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_V3_FRAME;
/* Schedule Supported Report 3byte V3 command class structs */
```

```
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_3BYTE_V3_FRAME_
                                        /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
   BYTE
            cmd;
           numberOfSupportedScheduleId; /**/
   BYTE
           properties1;
                                        /* masked byte */
            numberOfSupportedCc;
   VG_SCHEDULE_SUPPORTED_REPORT_V3_VG variantgroup1;
VG_SCHEDULE_SUPPORTED_REPORT_V3_VG variantgroup2;
VG_SCHEDULE_SUPPORTED_REPORT_V3_VG variantgroup3;
BYTE properties3; /* masked byte */
         properties3;
          scheduleIdBlock; /**/
numberOfSupportedScheduleBlocks;/**/
   BYTE
} ZW_SCHEDULE_SUPPORTED_REPORT_3BYTE_V3_FRAME;
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_V3_FRAME_
                                        /* The command class */
            cmdClass;
                                        /* The command */
   BYTE
            cmd;
                                       /**/
            numberOfSupportedScheduleId;
           properties1;
                                        /* masked byte */
            numberOfSupportedCc;
                                        /**/
   VG_SCHEDULE_SUPPORTED_REPORT_V3_VG_variantgroup1;
VG_SCHEDULE_SUPPORTED_REPORT_V3_VG_variantgroup2;
VG_SCHEDULE_SUPPORTED_REPORT_V3_VG_variantgroup3;
VG_SCHEDULE_SUPPORTED_REPORT_V3_VG_variantgroup4;
   BYTE
           properties3;
           scheduleIdBlock;
   BYTE
            numberOfSupportedScheduleBlocks;/**/
   BYTE
} ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_V3_FRAME;
/* Command Schedule Set V3 variant group structs */
typedef struct _VG_COMMAND_SCHEDULE_SET_1BYTE_V3_VG_
           cmdLength;
            cmdByte1;
} VG_COMMAND_SCHEDULE_SET_1BYTE_V3_VG;
typedef struct _VG_COMMAND_SCHEDULE_SET_2BYTE_V3_VG_
         cmdLength;
cmdByte1;
   BYTE
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
            cmdBvte2;
} VG_COMMAND_SCHEDULE_SET_2BYTE_V3_VG;
/* Command Schedule Set V3 variant group structs */
typedef struct _VG_COMMAND_SCHEDULE_SET_3BYTE_V3_VG_
   BYTE
           cmdLength;
          cmdByte1;
cmdByte2;
                                        /* MSB */
   BYTE
   BYTE
                                        /* LSB */
   BYTE
            cmdBvte3;
} VG_COMMAND_SCHEDULE_SET_3BYTE_V3_VG;
/* Command Schedule Set V3 variant group structs */
typedef struct _VG_COMMAND_SCHEDULE_SET 4BYTE V3 VG
   BYTE
           cmdLength;
          cmdByte1;
cmdByte2;
                                        /* MSB */
   BYTE
   BYTE
         cmdByte3;
cmdByte4;
   BYTE
                                        /* LSB */
   BYTE
} VG_COMMAND_SCHEDULE_SET_4BYTE_V3_VG;
/**********************
typedef struct _ZW_COMMAND_SCHEDULE_SET_1BYTE_V3_FRAME_
```

```
{
     BYTE
                  cmdClass;
                                                               /* The command class */
                   cmd;
                                                               /* The command */
     BYTE
                                                              /**/
                  scheduleId;
     BYTE
                                                              /**/
                   scheduleIdBlock;
     BYTE
                   startYear;
                                                              /**/
     BYTE
                 properties1;
                                                              /* masked byte */
     BYTE
                                                             /* masked byte */
/* masked byte */
/* masked byte */
/* masked byte */
                 properties2;
properties3;
     BYTE
BYTE propertiess; /* masked f
BYTE properties4; /* masked f
BYTE properties5; /* masked f
BYTE durationByte1; /* MSB */
BYTE durationByte2; /* LSB */
BYTE reportsToFollow; /**/
BYTE numberOfCmdToFollow; /**/
VG_COMMAND_SCHEDULE_SET_4BYTE_V3_VG_variantgroup1;
} ZW_COMMAND_SCHEDULE_SET_1BYTE_V3_FRAME;
                                                                                                   /**/
/* Command Schedule Set 2byte V3 command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_SET_2BYTE_V3_FRAME_
     BYTE
                 cmdClass;
                                                              /* The command class */
     BYTE
                  cmd;
                                                              /* The command */
                                                              /**/
                 scheduleId;
     BYTE
                                                              /**/
     BYTE
                   scheduleIdBlock;
                  startYear;
properties1;
                                                              /**/
     BYTE
                                                              /* masked byte */
     BYTE
                properties1;
properties2;
properties3;
properties4;
properties5;
durationByte1;
durationByte2;
reportsToFollow;
numberOfCmdToFollow;
                                                            /* masked byte */
/* MSB */
     BYTE
     BYTE
     BYTE
     BYTE
     BYTE
                                                             /* LSB */
     BYTE
     BYTE
                   numberOfCmdToFollow;
     BYTE
     VG_COMMAND_SCHEDULE_SET_4BYTE_V3_VG_variantgroup1;
VG_COMMAND_SCHEDULE_SET_4BYTE_V3_VG_variantgroup2;
} ZW_COMMAND_SCHEDULE_SET_2BYTE_V3_FRAME;
typedef struct _ZW_COMMAND_SCHEDULE_SET_3BYTE_V3_FRAME_
              cmdClass;
cmd;
scheduleId;
scheduleIdBlock;
                                                             /* The command class */
/* The command */
/**/
     BYTE
     BYTE
     BYTE
     BYTE
                  startYear;
                                                              /**/
     BYTE
                startYear;
properties1;
properties2;
properties3;
properties4;
properties5;
durationByte1;
durationByte2;
reportsToFollow;
numberOfCmdToFollow;
                                                            /**/
/* masked byte */
     BYTE
     BYTE
     BYTE
     BYTE
                                                             /* MSB */
     BYTE
                                                              /* LSB */
     BYTE
     VG_COMMAND_SCHEDULE_SET_4BYTE_V3_VG_variantgroup1;
VG_COMMAND_SCHEDULE_SET_4BYTE_V3_VG_variantgroup2;
VG_COMMAND_SCHEDULE_SET_4BYTE_V3_VG_variantgroup3;
} ZW_COMMAND_SCHEDULE_SET_3BYTE_V3_FRAME;
    /* Command Schedule Set 4byte V3 command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_SET_4BYTE_V3_FRAME_
                cmdClass;
cmd;
scheduleId;
      BYTE
                                                              /\,^{\star} The command class ^{\star}/\,
                                                               /* The command */
     BYTE
                                                              /**/
     BYTE
                                                              /**/
                  scheduleIdBlock;
     BYTE
                                                              /**/
     BYTE
                  startYear;
                                                             /* masked byte */
/* masked byte */
/* masked byte */
/* masked byte */
                 properties1;
properties2;
     BYTE
     BYTE
     BYTE
                  properties3;
                  properties4;
     BYTE
                                                              /* masked byte */
     BYTE
                   properties5;
                                                              /* MSB */
                   durationByte1;
     BYTE
```

```
durationByte2;
                                       /* LSB */
                                       /**/
            reportsToFollow;
            numberOfCmdToFollow;
   VG_COMMAND_SCHEDULE_SET_4BYTE_V3_VG variantgroup1;
VG_COMMAND_SCHEDULE_SET_4BYTE_V3_VG variantgroup2;
VG_COMMAND_SCHEDULE_SET_4BYTE_V3_VG variantgroup3;
VG_COMMAND_SCHEDULE_SET_4BYTE_V3_VG variantgroup4;
} ZW_COMMAND_SCHEDULE_SET_4BYTE_V3_FRAME;
/* Command Schedule Get V3 command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_GET_V3_FRAME_
   BYTE
           cmdClass;
                                       /\,^{\star} The command class ^{\star}/\,
           cmd;
                                       /* The command */
   BYTE
          scheduleId;
scheduleIdBlock;
   BYTE
                                       /**/
            properties1;
                                       /* masked byte */
} ZW_COMMAND_SCHEDULE_GET_V3_FRAME;
typedef struct _VG_COMMAND_SCHEDULE_REPORT_1BYTE_V3_VG_
         cmdLength;
   BYTE
           cmdByte1;
   BYTE
} VG_COMMAND_SCHEDULE_REPORT_1BYTE_V3_VG;
typedef struct _VG_COMMAND_SCHEDULE_REPORT_2BYTE_V3_VG_
   BYTE
          cmdLength;
         cmdByte1;
cmdByte2;
                                       /* MSB */
   BYTE
   BYTE
} VG_COMMAND_SCHEDULE_REPORT_2BYTE_V3_VG;
typedef struct _VG_COMMAND_SCHEDULE_REPORT_3BYTE_V3_VG_
           cmdLength;
          cmdByte1;
cmdByte2;
                                       /* MSB */
   BYTE
                                       /* LSB */
   BYTE
            cmdByte3;
} VG_COMMAND_SCHEDULE_REPORT_3BYTE_V3_VG;
/* Command Schedule Report V3 variant group structs */
typedef struct _VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG_
          cmdLength;
cmdByte1;
cmdByte2;
cmdByte3;
   BYTE
                                       /* MSB */
   BYTE
   BYTE
   BYTE
                                       /* LSB */
   BYTE
            cmdBvte4;
} VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG;
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_1BYTE_V3_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
                                       /**/
/**/
/**/
           scheduleId;
   BYTE
            scheduleIdBlock;
   BYTE
            startYear;
                                       /* masked byte */
/* masked byte */
           properties1;
   BYTE
           properties2;
   BYTE
           properties3;
                                       /* masked byte */
   BYTE
                                      /* masked byte */
/* masked byte */
/* MSB */
   BYTE
           properties4;
           properties5;
   BYTE
           durationByte1;
   RYTE
                                       /* LSB */
   BYTE
           durationByte2;
   BYTE
           reportsToFollow;
```

```
numberOfCmdToFollow;
    VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG variantgroup1;
                                                                                       /**/
} ZW_COMMAND_SCHEDULE_REPORT_1BYTE_V3_FRAME;
/* Command Schedule Report 2byte V3 command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_2BYTE_V3_FRAME_
            cmdClass;
                                                    /* The command class */
    BYTE
              cmd;
scheduleId;
                                                    /* The command */
    BYTE
                                                    /**/
    BYTE
                scheduleIdBlock;
                                                    /**/
               startYear;
                                                    /**/
    BYTE
                                                    /* masked byte */
/* masked byte */
/* masked byte */
    BYTE
                properties1;
               properties2;
properties3;
    BYTE
    BYTE
              properties4;
properties5;
    BYTE
                                                    /* masked byte */
                                                   /* masked byte */
    BYTE
                                                   /* MSB */
/* LSB */
    BYTE
                durationBytel;
    BYTE
               durationByte2;
               reportsToFollow;
    BYTE
                numberOfCmdToFollow;
    BYTE
    VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG_variantgroup1;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG_variantgroup2;
} ZW_COMMAND_SCHEDULE_REPORT_2BYTE_V3_FRAME;
    typedef struct _ZW_COMMAND_SCHEDULE_REPORT_3BYTE_V3_FRAME_
                                                    /* The command class */
/* The command */
               cmdClass;
    BYTE
    BYTE
               cmd;
               scheduleId;
                                                    /**/
    BYTE
                                                    /**/
/**/
/* masked byte */
/* masked byte */
               scheduleIdBlock;
    BYTE
                startYear;
    BYTE
              properties1;
    BYTE
               properties2;
                                                    /* masked byte */
               properties3;
properties4;
    BYTE
                                                   /* masked byte */
    BYTE
               properties5;
                                                   /* masked byte */
/* MSB */
/* LSB */
    BYTE
                durationBytel;
    BYTE
               durationByte2;
             reportsToFollow;
numberOfCmdToFollow;
    BYTE
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG variantgroup1;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG variantgroup2;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG variantgroup3;
} ZW_COMMAND_SCHEDULE_REPORT_3BYTE_V3_FRAME;
    /* Command Schedule Report 4byte V3 command class structs */
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_4BYTE_V3_FRAME_
               cmdClass;
                                                    /* The command class */
    BYTE
                                                    /* The command */
    BYTE
              cmd;
                                                    /**/
/**/
/**/
    BYTE
               scheduleId;
    BYTE
                scheduleIdBlock;
    BYTE
                startYear;
                                                    /* masked byte */
              properties1;
    BYTE
                                                    /* masked byte */
/* masked byte */
/* masked byte */
                properties2;
    BYTE
               properties3;
properties4;
    BYTE
                                                    /* masked byte */
/* masked byte */
/* masked byte */
/* MSB */
               properties5;
    BYTE
    BYTE
                durationByte1;
              durationByte2;
reportsToFollow;
numberOfCmdToFollow;
                                                    /* LSB */
    BYTE
    BYTE
                                                    /**/
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG variantgroup1;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG variantgroup2;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG variantgroup3;
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG variantgroup4;
} ZW_COMMAND_SCHEDULE_REPORT_4BYTE_V3_FRAME;
/************************
/* Schedule Remove V3 command class structs */
typedef struct _ZW_SCHEDULE_REMOVE_V3_FRAME
```

```
BYTE
          cmdClass;
                                  /* The command class */
   BYTE
                                  /* The command */
         cmd;
  BYTE
          scheduleId;
  BYTE
          scheduleIdBlock;
} ZW_SCHEDULE_REMOVE_V3_FRAME;
typedef struct _ZW_SCHEDULE_STATE_SET_V3_FRAME_
          cmdClass;
                                  /* The command class */
   BYTE
         cmd:
cmd;
scheduleId;
scheduleState;
                                  /* The command */
                                  /**/
   BYTE
  BYTE
  BYTE
          scheduleIdBlock;
} ZW_SCHEDULE_STATE_SET_V3_FRAME;
/**********************
typedef struct _ZW_SCHEDULE_STATE_GET_V3_FRAME_
   BYTE
         cmdClass;
                                  /* The command class */
       cmd;
scheduleIdBlock;
  BYTE
                                  /* The command */
  BYTE
} ZW_SCHEDULE_STATE_GET_V3_FRAME;
typedef struct _ZW_SCHEDULE_STATE_REPORT_V3_FRAME_
   BYTE
         cmdClass;
                                  /* The command class */
                                  /* The command */
   BYTE
          cmd;
        ....werOfSupportedScheduleId;
properties1;
properties2;
properties3;
schedul
         numberOfSupportedScheduleId;
                                 /**/
                                  /* masked byte */
   BYTE
                                  /* masked byte */
   BYTE
                                  /* masked byte */
  BYTE
          scheduleIdBlock;
  BYTE
} ZW_SCHEDULE_STATE_REPORT_V3_FRAME;
typedef struct _ZW_CONTROLLER_CHANGE_FRAME_
   BYTE
         cmdClass;
                                  /* The command class */
         cmd;
seqNo;
                                  /* The command */
  BYTE
                                  /**/
  BYTE
  BYTE
          reserved;
         mode;
   BYTE
          txOptions;
} ZW_CONTROLLER_CHANGE_FRAME;
typedef struct _ZW_CONTROLLER_CHANGE_STATUS_1BYTE_FRAME_
                                  /* The command class */
  BYTE
          cmdClass;
                                  /* The command */
   BYTE
          cmd;
                                  /**/
          seqNo;
  BYTE
                                  /**/
          status;
   BYTE
          reserved;
                                  /**/
                                  /**/
/**/
  BYTE
          newNodeId;
   BYTE
          nodeInfoLength;
                                  /* masked byte */
  BYTE
         properties1;
properties2;
basicDeviceClass;
                                  /* masked byte */
   BYTE
   BYTE
        genericDeviceClass;
specificDeviceClass;
   BYTE
  BYTE
          commandClass1;
} ZW_CONTROLLER_CHANGE_STATUS_1BYTE_FRAME;
/* Controller Change Status 2byte command class structs */
,
typedef struct _ZW_CONTROLLER_CHANGE_STATUS_2BYTE_FRAME_
   BYTE
          cmdClass;
                                  /* The command class */
```

/* The command */

BYTE

cmd;

```
/**/
   BYTE
            seqNo;
                                       .
/**/
   BYTE
            status;
                                       /**/
   BYTE
            reserved;
                                       /**/
   BYTE
            newNodeId;
   BYTE
           nodeInfoLength;
                                       /* masked byte */
   BYTE
           properties1;
   BYTE
           properties2;
                                       /* masked byte */
                                       /**/
          basicDeviceClass;
   BYTE
          genericDeviceClass;
specificDeviceClass;
   BYTE
   BYTE
          commandClass1;
                                       /* MSB */
   BYTE
            commandClass2;
} ZW_CONTROLLER_CHANGE_STATUS_2BYTE_FRAME;
typedef struct _ZW_CONTROLLER_CHANGE_STATUS_3BYTE_FRAME_
                                      /* The command class */
/* The command */
           cmdClass;
   BYTE
   BYTE
           cmd;
                                       /**/
           seqNo;
   BYTE
                                       /**/
           status;
                                       /**/
/**/
   BYTE
            reserved;
   BYTE
           newNodeId;
   BYTE
           nodeInfoLength;
                                       /* masked byte */
          properties1;
   BYTE
           properties2;
                                       /* masked byte */
   BYTE
          pasicDeviceClass;
genericDeviceClass;
specificDeviceClass;
commandClass1;
commandClass2;
           basicDeviceClass;
                                      /**/
   BYTE
                                      /**/
   BYTE
   BYTE
                                      /* MSB */
   BYTE
   BYTE
            commandClass3;
                                       /* LSB */
   BYTE
} ZW CONTROLLER CHANGE STATUS 3BYTE FRAME;
typedef struct _ZW_CONTROLLER_CHANGE_STATUS_4BYTE_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
                                       /**/
   BYTE
           seqNo;
                                       /**/
   BYTE
            status;
                                       /**/
   BYTE
            reserved;
   BYTE
           newNodeId;
                                       /**/
   BYTE
           nodeInfoLength;
                                      /* masked byte */
   BYTE
          properties1;
                                       /* masked byte */
   BYTE
           properties2;
           basicDeviceClass;
                                      /**/
   BYTE
          genericDeviceClass;
                                      /**/
   BYTE
           specificDeviceClass;
          commandClass1; commandClass2;
                                      /* MSB */
   BYTE
   BYTE
          commandClass3;
   BYTE
            commandClass4;
                                      /* LSB */
   BYTE
} ZW_CONTROLLER_CHANGE_STATUS_4BYTE_FRAME;
typedef struct _ZW_ZIP_NODE_SOLICITATION_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
                                       /* The command */
   BYTE
           cmd;
   BYTE
           reserved:
                                       /**/
   BYTE
           nodeId;
           ipv6Address1;
                                       /* MSB */
   BYTE
            ipv6Address2;
   BYTE
           ipv6Address3;
   BYTE
           ipv6Address4;
            ipv6Address5;
   BYTE
   BYTE
           ipv6Address6;
   BYTE
            ipv6Address7;
            ipv6Address8;
   BYTE
   BYTE
            ipv6Address9;
   RYTE
           ipv6Address10;
   BYTE
           ipv6Address11;
   BYTE
            ipv6Address12;
```

```
ipv6Address13;
          ipv6Address14;
ipv6Address15;
   BYTE
   BYTE
                                      /* LSB */
   BYTE
            ipv6Address16;
} ZW_ZIP_NODE_SOLICITATION_FRAME;
/* Zip Inv Node Solicitation command class structs */
typedef struct _ZW_ZIP_INV_NODE_SOLICITATION_FRAME_
                                       /* The command class */
           cmdClass;
         cmd;
properties1;
                                       /* The command */
                                       /* masked byte */
   BYTE
   BYTE
            nodeId;
} ZW_ZIP_INV_NODE_SOLICITATION_FRAME;
/* Zip Node Advertisement command class structs */
typedef struct _ZW_ZIP_NODE_ADVERTISEMENT_FRAME_
          cmdClass;
cmd;
.
   BYTE
                                       /* The command class */
                                       /* The command */
          properties1;
nodeId;
                                       /* masked byte */
/**/
   BYTE
   BYTE
                                       /* MSB */
   BYTE
           ipv6Address1;
           ipv6Address2;
   BYTE
           ipv6Address3;
   BYTE
          ipv6Address5;
ipv6Address5;
ipv6Address6;
   BYTE
   BYTE
   BYTE
           ipv6Address7;
   BYTE
          ipv6Address7;
ipv6Address9;
ipv6Address10;
ipv6Address11;
ipv6Address12;
ipv6Address13;
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
           ipv6Address15;
ipv6Address15;
   BYTE
           ipv6Address16;
                                       /* LSB */
        homeId1;
homeId2;
homeId3;
homeId4;
                                       /* MSB */
   BYTE
   BYTE
   BYTE
                                      /* LSB */
   BYTE
} ZW ZIP NODE ADVERTISEMENT FRAME;
typedef struct _ZW_ASSOCIATION_GROUP_NAME_GET_FRAME
         cmdClass;
cmd;
groupingTo
                                      /* The command class */
   BYTE
                                       /* The command */
   BYTE
            groupingIdentifier;
   BYTE
} ZW_ASSOCIATION_GROUP_NAME_GET_FRAME;
,
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_1BYTE_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
          cmd;
                                      /* The command */
   BYTE
           groupingIdentifier;
          lengthOfName;
   BYTE
   BYTE
            name1:
} ZW_ASSOCIATION_GROUP_NAME_REPORT_1BYTE_FRAME;
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_2BYTE_FRAME_
                                      /* The command class */
/* The command */
/**/
           cmdClass;
           groupingIdentifier;
   BYTE
   RYTE
           lengthOfName;
                                       /* MSB */
           name1;
   BYTE
                                       /* LSB */
            name2;
```

```
} ZW ASSOCIATION GROUP NAME REPORT 2BYTE FRAME;
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_3BYTE_FRAME_
                                 /* The command class */
/* The command */
/**/
   BYTE
   BYTE
          cmd;
         groupingIdentifier;
lengthOfName;
   BYTE
   BYTE
         name1;
                                 /* MSB */
   BYTE
         name2;
                                 /* LSB */
  BYTE
          name3;
} ZW_ASSOCIATION_GROUP_NAME_REPORT_3BYTE_FRAME;
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_4BYTE_FRAME_
                                 /* The command class */
          cmdClass;
                                 /* The command */
   BYTE
         cmd;
                                 /**/
          groupingIdentifier;
         lengthOfName;
   BYTE
                                 /**/
   BYTE
         name1;
                                  /* MSB */
  BYTE
          name2;
        name3;
  BYTE
                                  /* LSB */
          name4;
} ZW_ASSOCIATION_GROUP_NAME_REPORT_4BYTE_FRAME;
typedef struct _ZW_ASSOCIATION_GROUP_INFO_GET_FRAME
        cmdClass;
cmd;
properties1;
groupingIdent.
   BYTE
                                 /* The command class */
                                 /* The command */
   BYTE
                                 /* masked byte */
  BYTE
          groupingIdentifier;
  BYTE
} ZW_ASSOCIATION_GROUP_INFO_GET_FRAME;
typedef struct _VG_ASSOCIATION_GROUP_INFO_REPORT_VG_
   BYTE
         groupingIdentifier;
         mode;
profile1;
                                  /**/
  BYTE
                                  /**/
   BYTE
        profile1;
profile2;
reserved;
eventCode1;
eventCode2;
                                 /**/
  BYTE
   BYTE
  BYTE
} VG_ASSOCIATION_GROUP_INFO_REPORT_VG;
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_1BYTE_FRAME_
                                 /* The command class */
  BYTE
          cmdClass;
                                 /* The command */
  BYTE
          cmd;
                                  /* masked byte */
          properties1;
   VG ASSOCIATION GROUP INFO REPORT VG variantgroup1;
                                                      /**/
} ZW_ASSOCIATION_GROUP_INFO_REPORT_1BYTE_FRAME;
/* Association Group Info Report 2byte command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_2BYTE_FRAME_
                                 /* The command class */
          cmdClass;
                                 /* The command */
/* masked byte */
   BYTE
         cmd;
          properties1;
  VG_ASSOCIATION_GROUP_INFO_REPORT_VG_variantgroup1;
VG_ASSOCIATION_GROUP_INFO_REPORT_VG_variantgroup2;
} ZW_ASSOCIATION_GROUP_INFO_REPORT_2BYTE_FRAME;
/* Association Group Info Report 3byte command class structs */
```

```
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_3BYTE_FRAME_
    BYTE
             cmdClass;
                                             cmd;
                                            /* The command */
    BYTE
                                             /* masked byte */
             properties1;
    BYTE
    VG_ASSOCIATION_GROUP_INFO_REPORT_VG_variantgroup1;
VG_ASSOCIATION_GROUP_INFO_REPORT_VG_variantgroup2;
VG_ASSOCIATION_GROUP_INFO_REPORT_VG_variantgroup3;
} ZW_ASSOCIATION_GROUP_INFO_REPORT_3BYTE_FRAME;
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_4BYTE_FRAME_
             cmdClass;
                                             /* The command class */
            cmd;
properties1;
                                            /* The command */
                                             /* masked byte */
VG_ASSOCIATION_GROUP_INFO_REPORT_VG variantgroup1;
VG_ASSOCIATION_GROUP_INFO_REPORT_VG variantgroup2;
VG_ASSOCIATION_GROUP_INFO_REPORT_VG variantgroup3;
VG_ASSOCIATION_GROUP_INFO_REPORT_VG variantgroup4;
} ZW_ASSOCIATION_GROUP_INFO_REPORT_4BYTE_FRAME;
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST GET FRAME
    BYTE
             cmdClass;
                                             /* The command class */
                                            /* The command */
    BYTE
             cmd;
    BYTE properties1;
                                            /* masked byte */
              groupingIdentifier;
    BYTE
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_GET_FRAME;
/* Association Group Command List Report 1byte command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_1BYTE_FRAME_
             cmdClass;
                                            /* The command class */
                                            /* The command */
    BYTE
             cmd;
          groupingIdentifier;
listLength;
    BYTE
    BYTE
              command1;
} ZW ASSOCIATION GROUP COMMAND LIST REPORT 1BYTE FRAME;
// Association Group Command List Report 2byte command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_2BYTE_FRAME
          cmdClass;
cmd;
groupingIdentifier;
listLength;
command1;
command2;
                                            /* The command class */
    BYTE
                                             /* The command */
    BYTE
                                            /**/
    BYTE
    BYTE
                                            /* MSB */
              command2;
                                             /* LSB */
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_2BYTE_FRAME;
/* Association Group Command List Report 3byte command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_3BYTE_FRAME_
                                            /* The command class */
/* The command */
             cmdClass;
    BYTE
    BYTE
           cmd;
groupingIdentifier;
listLength;
             cmd:
                                            /**/
    BYTE
                                            /**/
    BYTE
         command1;
                                            /* MSB */
    BYTE
                                             /* LSB */
    BYTE
              command3;
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_3BYTE_FRAME;
/* Association Group Command List Report 4byte command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_FRAME_
           cmdClass;
    BYTE
                                            /* The command class */
```

```
cmd;
                                           /* The command */
                                           /**/
/**/
             groupingIdentifier;
   BYTE
   BYTE
             listLength;
                                           /* MSB */
            command1;
   BYTE
   BYTE
            command2;
           command3;
command4;
   BYTE
                                           /* LSB */
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_FRAME;
typedef struct _ZW_ASSOCIATION_GROUP_NAME_GET_V2_FRAME_
                                          /* The command class */
   BYTE
            cmdClass;
                                          /* The command */
   BYTE
         cmd;
   BYTE
             groupingIdentifier;
} ZW_ASSOCIATION_GROUP_NAME_GET_V2_FRAME;
/* Association Group Name Report lbyte V2 command class struct */
/************************/
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_1BYTE_V2_FRAME_
   BYTE
             cmdClass;
                                           /* The command class */
                                           /* The command */
   BYTE
            cmd;
           groupingIdentifier;
lengthOfName;
   BYTE
   BYTE
             name1;
} ZW_ASSOCIATION_GROUP_NAME_REPORT_1BYTE_V2_FRAME;
/* Association Group Name Report 2byte V2 command class structs */
/***********************/
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_2BYTE_V2_FRAME
           cmdClass;
cmd;
groupingIdentifier;
lengthOfName;
name;
                                          /* The command class */
   BYTE
                                           /* The command */
   BYTE
   BYTE
                                          /**/
   BYTE
             name2;
} ZW_ASSOCIATION_GROUP_NAME_REPORT_2BYTE_V2_FRAME;
// Association Group Name Report 3byte V2 command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_3BYTE_V2_FRAME_
         cmdClass;
cmd;
groupingIdentifier;
lengthOfName;
name1;
name2;
name3.
   BYTE
                                          /* The command class */
                                          /* The command */
   BYTE
                                          /**/
/**/
   BYTE
   BYTE
                                          /* MSB */
   BYTE
                                          /* LSB */
   BYTE
             name3;
} ZW_ASSOCIATION_GROUP_NAME_REPORT_3BYTE_V2_FRAME;
/* Association Group Name Report 4byte V2 command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_4BYTE_V2_FRAME_
   BYTE
            cmdClass;
                                           /* The command class */
                                           /* The command */
           cmd;
                                          /**/
/**/
   BYTE
            groupingIdentifier;
   BYTE
             lengthOfName;
                                           /* MSB */
   BYTE
            name1:
   BYTE
            name2;
           name3;
   BYTE
             name4;
} ZW_ASSOCIATION_GROUP_NAME_REPORT_4BYTE_V2_FRAME;
typedef struct _ZW_ASSOCIATION_GROUP_INFO_GET_V2_FRAME_
           cmdClass;
                                          /* The command class */
   BYTE
                                           /* The command */
   BYTE
            cmd;
           properties1;
                                           /* masked byte */
```

```
groupingIdentifier;
} ZW_ASSOCIATION_GROUP_INFO_GET_V2_FRAME;
typedef struct _VG_ASSOCIATION_GROUP_INFO_REPORT_V2 VG
            groupingIdentifier;
mode;
   BYTE
   RYTE
            profile1;
                                            /**/
   BYTE
           profile2;
reserved;
eventCode1;
                                            /**/
   BYTE
   BYTE
                                            /* MSB */
   BYTE
             eventCode2;
                                            /* LSB */
} VG_ASSOCIATION_GROUP_INFO_REPORT_V2_VG;
/st Association Group Info Report 1byte V2 command class structs st/
/**************
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_1BYTE_V2_FRAME_
          cmdClass;
cmd;
properties1;
cmd GROUP INFO_
   BYTE
                                            /* The command class */
                                            /* The command */
   BYTE
                                            /* masked byte */
   VG_ASSOCIATION_GROUP_INFO_REPORT_V2_VG variantgroup1;
} ZW_ASSOCIATION_GROUP_INFO_REPORT_1BYTE_V2_FRAME;
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_2BYTE_V2_FRAME_
   BYTE
             cmdClass;
                                            /* The command class */
            cmd;
properties1;
                                            /* The command */
   BYTE
                                            /* masked byte */
   VG_ASSOCIATION_GROUP_INFO_REPORT_V2_VG_variantgroup1;
VG_ASSOCIATION_GROUP_INFO_REPORT_V2_VG_variantgroup2;
} ZW_ASSOCIATION_GROUP_INFO_REPORT_2BYTE_V2_FRAME;
/* Association Group Info Report 3byte V2 command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_3BYTE_V2_FRAME_
            cmdClass;
                                            /* The command class */
            cmd;
                                            /* The command */
             properties1;
                                            /* masked byte */
   VG_ASSOCIATION_GROUP_INFO_REPORT_V2_VG_variantgroup1;
VG_ASSOCIATION_GROUP_INFO_REPORT_V2_VG_variantgroup2;
VG_ASSOCIATION_GROUP_INFO_REPORT_V2_VG_variantgroup3;
} ZW_ASSOCIATION_GROUP_INFO_REPORT_3BYTE_V2_FRAME;
/* Association Group Info Report 4byte V2 command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_4BYTE_V2_FRAME_
             cmdClass;
                                           /* The command class */
                                           /* The command */
/* masked byte */
             properties1;
   Droperties;

VG_ASSOCIATION_GROUP_INFO_REPORT_V2_VG variantgroup1;

VG_ASSOCIATION_GROUP_INFO_REPORT_V2_VG variantgroup2;

VG_ASSOCIATION_GROUP_INFO_REPORT_V2_VG variantgroup3;

VG_ASSOCIATION_GROUP_INFO_REPORT_V2_VG variantgroup4;
} ZW_ASSOCIATION_GROUP_INFO_REPORT_4BYTE_V2_FRAME;
/* Association Group Command List Get V2 command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_GET_V2_FRAME_
                                            /* The command class */
   BYTE
             cmdClass;
           cmd;
properties1;
                                            /* The command */
   BYTE
                                            /* masked byte */
              groupingIdentifier;
   BYTE
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_GET_V2_FRAME;
/* Association Group Command List Report 1byte V2 command class structs */
```

```
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_1BYTE_V2_FRAME_
             cmdClass;
    BYTE
                                            /* The command class */
            cmd;
                                            /* The command */
    BYTE
            groupingIdentifier;
    BYTE
            listLength;
   BYTE
              command1;
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_1BYTE_V2_FRAME;
/
/* Association Group Command List Report 2byte V2 command class structs */
/************************/
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_2BYTE_V2_FRAME_
                                            /* The command class */
    BYTE
             cmdClass;
                                            /* The command */
   BYTE
             cmd;
    BYTE
             groupingIdentifier;
            listLength;
    BYTE
                                             /**/
           command1;
    BYTE
                                            /* MSB */
                                             /* LSB */
   BYTE
             command2;
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_2BYTE_V2_FRAME;
/* Association Group Command List Report 3byte V2 command class structs */
/***************
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_3BYTE_V2_FRAME_
                                            /* The command class */
    BYTE
             cmdClass:
                                            /* The command */
   BYTE
             cmd;
            groupingIdentifier;
listLength;
command1;
                                            /**/
/**/
    BYTE
    BYTE
                                            /* MSB */
   BYTE
           command2;
   BYTE
                                            /* LSB */
   BYTE
             command3;
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_3BYTE_V2_FRAME;
/* Association Group Command List Report 4byte V2 command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_V2_FRAME_
             cmdClass;
                                            /* The command class */
                                           /* The command cla
/* The command */
/**/
    BYTE
             cmd;
             groupingIdentifier;
   BYTE
                                            /**/
    BYTE
             listLength;
                                            /* MSB */
    BYTE
             command1;
           command2;
command3;
    BYTE
    BYTE
                                            /* LSB */
   BYTE
             command4;
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_V2_FRAME;
/* Association Group Name Get V3 command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_NAME_GET_V3_FRAME_
                                            /* The command class */
   BYTE
             cmdClass:
          cmd;
                                            /* The command */
              groupingIdentifier;
} ZW_ASSOCIATION_GROUP_NAME_GET_V3_FRAME;
/* Association Group Name Report 1byte V3 command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_1BYTE_V3_FRAME_
                                            /* The command class */
/* The command */
             cmdClass;
    BYTE
   BYTE
             cmd:
    BYTE
             groupingIdentifier;
   BYTE
            lengthOfName;
              name1;
} ZW_ASSOCIATION_GROUP_NAME_REPORT_1BYTE_V3_FRAME;
/* Association Group Name Report 2byte V3 command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_2BYTE_V3_FRAME_
            cmdClass;
    BYTE
                                            /* The command class */
                                            /* The command */
   BYTE
             cmd;
            groupingIdentifier;
```

```
lengthOfName;
                                      /* MSB */
/* LSB */
   BYTE
          name1;
   BYTE
            name2;
} ZW_ASSOCIATION_GROUP_NAME_REPORT_2BYTE_V3_FRAME;
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_3BYTE_V3_FRAME_
                                      /* The command class */
/* The command */
   BYTE
           cmdClass;
   BYTE
           cmd;
                                      /**/
/**/
           groupingIdentifier;
           lengthOfName;
   BYTE
                                      /* MSB */
   BYTE
           name1;
   BYTE
           name2;
                                       /* LSB */
   BYTE
            name3;
} ZW_ASSOCIATION_GROUP_NAME_REPORT_3BYTE_V3_FRAME;
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_4BYTE_V3 FRAME
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command c18
/* The command */
/**/
   BYTE
           cmd;
           groupingIdentifier;
   BYTE
            lengthOfName;
   BYTE
                                      /* MSB */
   BYTE
           name1;
   BYTE
           name2;
          name3;
   BYTE
                                      /* LSB */
   BYTE
           name4;
} ZW_ASSOCIATION_GROUP_NAME_REPORT_4BYTE_V3_FRAME;
/* Association Group Info Get V3 command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_INFO_GET_V3_FRAME_
        cmdClass;
cmd;
properties1;
groupingIdent
   BYTE
                                      /* The command class */
                                      /* The command */
   BYTE
                                       /* masked byte */
   BYTE
            groupingIdentifier;
} ZW_ASSOCIATION_GROUP_INFO_GET_V3_FRAME;
typedef struct _VG_ASSOCIATION_GROUP_INFO_REPORT_V3_VG_
   BYTE
           groupingIdentifier;
          mode;
profile1;
                                      /**/
   BYTE
                                       /**/
           profile2;
reserved;
                                       /**/
   BYTE
                                       /**/
   BYTE
                                      /* MSB */
          eventCode1;
   BYTE
                                      /* LSB */
            eventCode2:
   BYTE
} VG_ASSOCIATION_GROUP_INFO_REPORT_V3_VG;
/* Association Group Info Report 1byte V3 command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_1BYTE_V3_FRAME_
           cmdClass;
                                      /* The command class */
          cmd;
                                      /* The command */
   BYTE
                                      /* masked byte */
BYTE properties1; /* masked byte VG_ASSOCIATION_GROUP_INFO_REPORT_V3_VG variantgroup1; } ZW_ASSOCIATION_GROUP_INFO_REPORT_1BYTE_V3_FRAME;
                                                                /**/
/* Association Group Info Report 2byte V3 command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_2BYTE_V3_FRAME_
           cmdClass;
                                      /* The command class */
                                      /* The command */
/* masked byte */
   BYTE
            properties1;
   VG_ASSOCIATION_GROUP_INFO_REPORT_V3_VG_variantgroup1;
VG_ASSOCIATION_GROUP_INFO_REPORT_V3_VG_variantgroup2;
} ZW_ASSOCIATION_GROUP_INFO_REPORT_2BYTE_V3_FRAME;
```

```
/* Association Group Info Report 3byte V3 command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_3BYTE_V3_FRAME_
                                              /* The command class */
             cmdClass;
          cmd;
properties1;
                                             /* The command */
/* masked byte */
    BYTE
    BYTE
   VG_ASSOCIATION_GROUP_INFO_REPORT_V3_VG_variantgroup1;
VG_ASSOCIATION_GROUP_INFO_REPORT_V3_VG_variantgroup2;
VG_ASSOCIATION_GROUP_INFO_REPORT_V3_VG_variantgroup3;
} ZW_ASSOCIATION_GROUP_INFO_REPORT_3BYTE_V3_FRAME;
/* Association Group Info Report 4byte V3 command class struct */
/************************/
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_4BYTE_V3_FRAME_
                                              /* The command class */
    BYTE
             cmdClass;
                                              /* The command */
    BYTE
            cmd;
   BYTE properties1; /* masked byte
VG_ASSOCIATION_GROUP_INFO_REPORT_V3_VG_variantgroup1;
VG_ASSOCIATION_GROUP_INFO_REPORT_V3_VG_variantgroup2;
VG_ASSOCIATION_GROUP_INFO_REPORT_V3_VG_variantgroup3;
VG_ASSOCIATION_GROUP_INFO_REPORT_V3_VG_variantgroup4;
                                              /* masked byte */
} ZW_ASSOCIATION_GROUP_INFO_REPORT_4BYTE_V3_FRAME;
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_GET_V3_FRAME_
    BYTE
             cmdClass;
                                              /* The command class */
          cmd;
cmd;
properties1;
groupingIdentifier;
                                              /* The command */
    BYTE
                                              /* masked byte */
   BYTE
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_GET_V3_FRAME;
/\star Association Group Command List Report 1byte V3 command class structs \star/
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_1BYTE_V3_FRAME_
                                             /* The command class */
             cmdClass;
   BYTE
                                             /* The command */
   BYTE
             cmd;
          groupingIdentifier;
listLength;
    BYTE
   BYTE
              command1;
} ZW ASSOCIATION GROUP COMMAND LIST REPORT 1BYTE V3 FRAME;
^{\prime} /* Association Group Command List Report 2byte V3 command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_2BYTE_V3_FRAME_
          cmdClass;
cmd;
groupingIdentifier;
listLength;
command1;
command2;
                                              /* The command class */
   BYTE
                                              /* The command */
   BYTE
    BYTE
                                              /**/
                                              /**/
    BYTE
                                              /* MSB */
   BYTE
                                              /* LSB */
   BYTE
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_2BYTE_V3_FRAME;
/* Association Group Command List Report 3byte V3 command class structs */
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_3BYTE_V3_FRAME_
             cmdClass;
                                              /* The command class */
                                              /* The command */
             cmd;
                                             /**/
/**/
            groupingIdentifier;
listLength;
    BYTE
   BYTE
                                              /* MSB */
           command1;
command2;
command3;
    BYTE
   BYTE
    BYTE
                                              /* LSB */
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_3BYTE_V3_FRAME;
./* Association Group Command List Report 4byte V3 command class structs ^{\star}/
```

```
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_V3_FRAME_
          cmdClass;
                                   /* The command class */
   BYTE
                                   /* The command */
          cmd;
   BYTE
         groupingIdentifier;
listLength;
   BYTE
                                  /**/
   BYTE
        command1;
command2;
command3;
                                  /* MSB */
   BYTE
   BYTE
   BYTE
                                   /* LSB */
   BYTE
          command4:
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_V3_FRAME;
/* Device Reset Locally Notification command class structs */
typedef struct _ZW_DEVICE_RESET_LOCALLY_NOTIFICATION_FRAME_
         cmdClass;
cmd;
                                   /* The command class */
                                   /* The command */
} ZW_DEVICE_RESET_LOCALLY_NOTIFICATION_FRAME;
^{\prime} /* Central Scene Supported Get command class structs */
typedef struct _ZW_CENTRAL_SCENE_SUPPORTED_GET_FRAME_
                                   /* The command class */
   BYTE
         cmdClass;
                                   /* The command */
   BYTE
          cmd:
} ZW_CENTRAL_SCENE_SUPPORTED_GET_FRAME;
typedef struct _ZW_CENTRAL_SCENE_SUPPORTED_REPORT_FRAME_
   BYTE
         cmdClass;
                                   /* The command class */
        cmd;
   BYTE
                                   /* The command */
          supportedScenes;
   BYTE
} ZW_CENTRAL_SCENE_SUPPORTED_REPORT_FRAME;
^{\prime} /* Central Scene Notification command class structs */
typedef struct _ZW_CENTRAL_SCENE_NOTIFICATION_FRAME_
         cmdClass;
cmd;
sequenceNumber;
properties1;
second();
                                   /* The command class */
                                   /* The command */
   BYTE
                                   /**/
                                   /* masked byte */
   BYTE
   BYTE
           sceneNumber:
} ZW_CENTRAL_SCENE_NOTIFICATION_FRAME;
/* Central Scene Supported Get V2 command class structs */
typedef struct _ZW_CENTRAL_SCENE_SUPPORTED_GET_V2_FRAME_
        cmdClass;
                                  /* The command class */
           cmd;
                                   /* The command */
} ZW_CENTRAL_SCENE_SUPPORTED_GET_V2_FRAME;
typedef struct _VG_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V2_VG_
          supportedKeyAttributesForScenel;
} VG_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V2_VG;
/* Central Scene Supported Report V2 variant group structs */
typedef struct _VG_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V2_VG_
        supportedKeyAttributesForScene1;/* MSB */
           supportedKeyAttributesForScene2;/* LSB */
} VG_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V2_VG;
```

```
typedef struct _VG_CENTRAL_SCENE_SUPPORTED_REPORT_3BYTE_V2_VG_
    BYTE
               supportedKeyAttributesForScene1;/* MSB */
    BYTE
              supportedKeyAttributesForScene2;
               supportedKeyAttributesForScene3;/* LSB */
    BYTE
} VG_CENTRAL_SCENE_SUPPORTED_REPORT_3BYTE_V2_VG;
/* Central Scene Supported Report V2 variant group structs */
typedef struct _VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE V2 VG
    BYTE
              supportedKeyAttributesForScene1;/* MSB */
               supportedKeyAttributesForScene2;
    BYTE
    BYTE
               supportedKeyAttributesForScene3;
               supportedKeyAttributesForScene4;/* LSB */
    BYTE
} VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_VG;
/* Central Scene Supported Report 1byte V2 command class structs */
typedef struct _ZW_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V2_FRAME_
    BYTE
              cmdClass;
                                                /* The command class */
    BYTE
              cmd;
                                                /* The command */
                                                /**/
              supportedScenes;
    BYTE
BYTE properties1; /* masked byte */
VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_VG variantgroup1;
} ZW_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V2_FRAME;
                                                /* masked byte */
                                                                                         /**/
/* Central Scene Supported Report 2byte V2 command class structs */
typedef struct _ZW_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V2_FRAME_
    BYTE
              cmdClass;
                                                /* The command class */
    BYTE
                                                /* The command */
              cmd;
                                                /**/
/* masked byte */
              supportedScenes;
    BYTE
    BYTE properties1; /* masked byte */
VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_VG variantgroup1;
VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_VG variantgroup2;
                                                                                         /**/
} ZW_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V2_FRAME;
   /* Central Scene Supported Report 3byte V2 command class structs */
typedef struct _ZW_CENTRAL_SCENE_SUPPORTED_REPORT_3BYTE_V2_FRAME_
    BYTE
              cmdClass;
                                                /* The command class */
                                                ^{\prime} /* The command */
    BYTE
              cmd;
                                                /**/
              supportedScenes;
    BYTE
                                                 /* masked byte */
               properties1;
    VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_VG_variantgroup1;
VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_VG_variantgroup2;
VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_VG_variantgroup3;
} ZW_CENTRAL_SCENE_SUPPORTED_REPORT_3BYTE_V2_FRAME;
 /* Central Scene Supported Report 4byte V2 command class structs */
typedef struct _ZW_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_FRAME_
                                                 /* The command class */
              cmdClass;
    BYTE
                                                 /* The command */
              cmd;
    BYTE
               supportedScenes;
                                                /**/
                                                /* masked byte */
               properties1;
    BYTE properties1; /* masked byte */
VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_VG variantgroup1;
VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_VG variantgroup2;
VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_VG variantgroup3;
VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_VG variantgroup4;
} ZW_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_FRAME;
typedef struct _ZW_CENTRAL_SCENE_NOTIFICATION_V2_FRAME
                                                /\,^{\star} The command class ^{\star}/\,
    BYTE
               cmdClass;
                                                /* The command */
               cmd;
    RYTE
               sequenceNumber;
    BYTE
               properties1;
                                                 /* masked byte */
```

```
sceneNumber;
} ZW_CENTRAL_SCENE_NOTIFICATION_V2_FRAME;
/***********************
/* Central Scene Supported Get V3 command class structs */
typedef struct _ZW_CENTRAL_SCENE_SUPPORTED_GET_V3_FRAME_
          cmdClass;
                                    /\,^{\star} The command class ^{\star}/\,
                                    /* The command */
   BYTE
           cmd:
} ZW_CENTRAL_SCENE_SUPPORTED_GET_V3_FRAME;
/* Central Scene Supported Report V3 variant group structs */
typedef struct _VG_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V3_VG_
           supportedKeyAttributesForScenel;
} VG_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V3_VG;
typedef struct _VG_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V3_VG_
          supportedKeyAttributesForScenel;/* MSB */
           supportedKeyAttributesForScene2;/* LSB */
} VG_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V3_VG;
typedef struct _VG_CENTRAL_SCENE_SUPPORTED_REPORT_3BYTE_V3_VG_
           supportedKeyAttributesForScene1;/* MSB */
           supportedKeyAttributesForScene2;
           supportedKeyAttributesForScene3;/* LSB */
   BYTE
} VG_CENTRAL_SCENE_SUPPORTED_REPORT_3BYTE_V3_VG;
/* Central Scene Supported Report V3 variant group structs */
typedef struct _VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_VG_
           supportedKeyAttributesForScene1;/* MSB */
   BYTE
           supportedKeyAttributesForScene2;
   BYTE
           supportedKeyAttributesForScene3;
           supportedKeyAttributesForScene4;/* LSB */
} VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_VG;
 /* Central Scene Supported Report 1byte V3 command class structs */
typedef struct _ZW_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V3_FRAME_
                                    /* The command class */
   BYTE
           cmdClass;
                                    /* The command */
   BYTE
           cmd:
           supportedScenes;
           properties1;
                                     /* masked byte */
   VG CENTRAL SCENE SUPPORTED REPORT 4BYTE V3 VG variantgroup1;
                                                                   /**/
} ZW_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V3_FRAME;
  /* Central Scene Supported Report 2byte V3 command class structs */
typedef struct _ZW_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V3_FRAME_
                                    /* The command class */
   BYTE
           cmdClass;
                                    /* The command */
   BYTE
          cmd;
          supportedScenes;
                                     /* masked byte */
           properties1;
   VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_VG_variantgroup1;
VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_VG_variantgroup2;
} ZW_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V3_FRAME;
/* Central Scene Supported Report 3byte V3 command class structs */
typedef struct _ZW_CENTRAL_SCENE_SUPPORTED_REPORT_3BYTE_V3_FRAME_
   BYTE
           cmdClass;
                                    /* The command class */
```

```
cmd;
                                           /* The command */
             supportedScenes;
   BYTE
                                           /* masked byte */
   BYTE
             properties1;
   VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_VG variantgroup1;
VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_VG variantgroup2;
VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_VG variantgroup3;
} ZW_CENTRAL_SCENE_SUPPORTED_REPORT_3BYTE_V3_FRAME;
// Central Scene Supported Report 4byte V3 command class structs */
typedef struct _ZW_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_FRAME
            cmdClass;
                                          /* The command class */
                                          /* The command */
   BYTE
             cmd;
                                          /**/
            supportedScenes;
   BYTE
             properties1;
                                           /* masked byte */
   BYTE properties;

VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_VG variantgroup1;

VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_VG variantgroup2;

VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_VG variantgroup3;

VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_VG variantgroup4;
} ZW_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_FRAME;
/* Central Scene Notification V3 command class structs */
typedef struct _ZW_CENTRAL_SCENE_NOTIFICATION_V3_FRAME_
            cmdClass;
                                           /* The command class */
            cmd;
sequenceNumber;
                                          /* The command */
   BYTE
           properties1;
                                          /* masked byte */
   BYTE
   BYTE
             sceneNumber;
} ZW_CENTRAL_SCENE_NOTIFICATION_V3_FRAME;
/\star Central Scene Configuration Set V3 command class structs \star/
typedef struct _ZW_CENTRAL_SCENE_CONFIGURATION_SET_V3_FRAME_
                                           /* The command class */
            cmdClass;
          cmd;
                                          /* The command */
                                           /* masked byte */
             properties1;
   BYTE
} ZW_CENTRAL_SCENE_CONFIGURATION_SET_V3_FRAME;
/* Central Scene Configuration Get V3 command class structs */
typedef struct _ZW_CENTRAL_SCENE_CONFIGURATION_GET_V3_FRAME_
            cmdClass;
                                          /* The command class */
                                           ^{\prime} /* The command */
   BYTE
             cmd;
} ZW_CENTRAL_SCENE_CONFIGURATION_GET_V3_FRAME;
/* Central Scene Configuration Report V3 command class structs */
typedef struct _ZW_CENTRAL_SCENE_CONFIGURATION_REPORT_V3_FRAME_
   BYTE
            cmdClass;
                                           /* The command class */
          cmd;
properties1;
                                          /* The command */
   BYTE
                                          /* masked byte */
   BYTE
} ZW_CENTRAL_SCENE_CONFIGURATION_REPORT_V3_FRAME;
typedef struct _ZW_IP_ASSOCIATION_SET_FRAME_
            cmdClass;
                                           /* The command class */
                                           /* The command */
   BYTE
             groupingIdentifier;
                                          /* MSB */
   BYTE
             ipv6Address1;
             ipv6Address2;
   BYTE
   BYTE
             ipv6Address3;
   BYTE
             ipv6Address4;
             ipv6Address5;
   BYTE
   BYTE
             ipv6Address6;
   RYTE
             ipv6Address7;
   BYTE
             ipv6Address8;
    BYTE
             ipv6Address9;
```

```
ipv6Address10;
   BYTE
          ipv6Address11;
ipv6Address12;
   BYTE
   BYTE
          ipv6Address13;
          ipv6Address14;
   BYTE
   BYTE
          ipv6Address15;
         ipv6Address16;
                                    /* LSB */
   BYTE
           endPoint;
} ZW_IP_ASSOCIATION_SET_FRAME;
typedef struct _ZW_IP_ASSOCIATION_GET_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
          cmd;
        groupingIdentifier; index;
   BYTE
                                    /**/
} ZW_IP_ASSOCIATION_GET_FRAME;
typedef struct _ZW_IP_ASSOCIATION_REPORT_FRAME_
          cmdClass;
                                    /* The command class */
   BYTE
         cmd;
groupingIdentifier;
index;
                                    /* The command */
   BYTE
                                    /**/
   BYTE
                                    /**/
/**/
   BYTE
          actualNodes;
ipv6Address1;
   BYTE
                                    /* MSB */
   BYTE
   BYTE
          ipv6Address2;
          ipv6Address3;
   BYTE
   BYTE
          ipv6Address4;
   BYTE
          ipv6Address5;
   BYTE
          ipv6Address6;
          ipv6Address7;
ipv6Address8;
   BYTE
   RYTE
          ipv6Address9;
ipv6Address10;
ipv6Address11;
   BYTE
   BYTE
          ipv6Address12;
   BYTE
          ipv6Address13;
          ipv6Address14;
   BYTE
          ipv6Address15;
   BYTE
         ipv6Address16;
endPoint;
                                    /* LSB */
   BYTE
   BYTE
} ZW_IP_ASSOCIATION_REPORT_FRAME;
typedef struct _ZW_IP_ASSOCIATION_REMOVE_FRAME_
                                    /* The command class */
           cmdClass;
   BYTE
                                    /* The command */
/**/
   BYTE
          cmd:
          groupingIdentifier;
          ipv6Address1;
                                    /* MSB */
          ipv6Address2;
   BYTE
   BYTE
          ipv6Address3;
          ipv6Address4;
   BYTE
   BYTE
          ipv6Address5;
           ipv6Address6;
   BYTE
          ipv6Address7;
   BYTE
           ipv6Address8;
   BYTE
           ipv6Address9;
          ipv6Address10;
   BYTE
   BYTE
          ipv6Address11;
   BYTE
          ipv6Address12;
         ipv6Address14;
ipv6Address14;
ipv6Address15;
   BYTE
   BYTE
         ipv6Address16;
                                    /* LSB */
   BYTE
   BYTE
           endPoint;
} ZW IP ASSOCIATION REMOVE FRAME;
typedef struct _ZW_ANTITHEFT_SET_1BYTE_FRAME_
```

```
{
    BYTE
             cmdClass;
                                                /* The command class */
                                                /* The command */
    BYTE
               cmd;
                                               /* masked byte */
             properties1;
    BYTE
               magicCode1;
    BYTE
           mayIccodel;
manufacturerId1;
manufacturerId2;
antiTheftHintNumberBytes;
antiTheftHintNumberBytes;
    BYTE
                                               /* MSB */
                                               /* LSB */
    BYTE
    BYTE
              antiTheftHintBytel;
} ZW_ANTITHEFT_SET_1BYTE_FRAME;
typedef struct _ZW_ANTITHEFT_SET_2BYTE_FRAME_
    BYTE
              cmdClass;
                                                /* The command class */
             cmd;
properties1;
    BYTE
                                                /* The command */
         properties1;
magicCode1;
magicCode2;
manufacturerId1;
manufacturerId2;
antiTheftHintNumberBytes;
antiTheftHintByte1;
antiTheftHintByte2;
ITHEFT SET 2BYTE FRAME:
    BYTE
                                               /* masked byte */
                                               /* MSB */
/* LSB */
    BYTE
    BYTE
                                               /* MSB */
    BYTE
                                               /* LSB */
    BYTE
                                               /**/
    BYTE
                                               /* MSB */
    BYTE
                                               /* LSB */
} ZW_ANTITHEFT_SET_2BYTE_FRAME;
typedef struct _ZW_ANTITHEFT_SET_3BYTE_FRAME_
    BYTE
              cmdClass;
                                                /* The command class */
             cmd;
properties1;
magicCode1;
    BYTE
                                                /* The command */
                                                /* masked byte */
                                                /* MSB */
    BYTE
BYTE magicCodel;
BYTE magicCode2;
BYTE magicCode3;
BYTE magicCode3;
BYTE manufacturerId1;
BYTE manufacturerId2;
BYTE antiTheftHintNumberBytes;
BYTE antiTheftHintByte1;
BYTE antiTheftHintByte2;
BYTE antiTheftHintByte3;

} ZW_ANTITHEFT_SET_3BYTE_FRAME;
                                               /* LSB */
                                               /* MSB */
                                               /* LSB */
                                               /* MSB */
                                               /* LSB */
/* Antitheft Set 4byte command class structs */
typedef struct _ZW_ANTITHEFT_SET_4BYTE_FRAME_
              cmdClass;
                                                /* The command class */
                                                /* The command */
              cmd;
             properties1;
magicCode1;
                                                /* masked byte */
    BYTE
         magicCode1;
magicCode2;
magicCode3;
magicCode4;
manufacturerId1;
manufacturerId2;
antiTheftHintNumberBytes;
antiTheftHintByte1;
antiTheftHintByte2;
antiTheftHintByte3;
antiTheftHintByte3;
                                                /* MSB */
    BYTE
    BYTE
    BYTE
                                               /* LSB */
/* MSB */
/* LSB */
    BYTE
    BYTE
    BYTE
    BYTE
                                               /* MSB */
    BYTE
    BYTE
                                               /* LSB */
    BYTE
               antiTheftHintByte4;
} ZW_ANTITHEFT_SET_4BYTE_FRAME;
   /* Antitheft Get command class structs */
typedef struct _ZW_ANTITHEFT_GET_FRAME_
                                             /* The command class */
          cmdClass;
cmd;
    BYTE
                                               /* The command */
    BYTE
} ZW ANTITHEFT GET FRAME;
typedef struct ZW ANTITHEFT REPORT 1BYTE FRAME
```

```
{
              cmdClass;
     BYTE
                                                            /* The command class */
                                                            /* The command */
                 cmd;
     BYTE
    BYTE cmd;
BYTE antiTheftProtectionStatus;
BYTE manufacturerId1;
BYTE manufacturerId2;
BYTE antiTheftHintNumberBytes;
BYTE antiTheftHintByte1;

ANTITUDET DEDORT 1BYTE FRAME;
                                                           /**/
                                                           /* MSB */
                                                            /* LSB */
} ZW_ANTITHEFT_REPORT_1BYTE_FRAME;
    /* Antitheft Report 2byte command class structs */
typedef struct _ZW_ANTITHEFT_REPORT_2BYTE_FRAME_
    BYTE cmdClass; /* The cor
BYTE cmd; /* The cor
BYTE antiTheftProtectionStatus; /**/
BYTE manufacturerId1; /* MSB */
BYTE manufacturerId2; /* LSB */
BYTE antiTheftHintNumberBytes; /**/
BYTE antiTheftHintByte1; /* MSB */
BYTE antiTheftHintByte2; /* LSB */
WANTITHET BEDDET 2BYTE FEMME.
                                                           /* The command class */
                                                           /* The command */
} ZW_ANTITHEFT_REPORT_2BYTE_FRAME;
/* Antitheft Report 3byte command class structs */
typedef struct _ZW_ANTITHEFT_REPORT_3BYTE_FRAME_
     BYTE
                 cmdClass;
                                                            /* The command class */
    BYTE cmdClass; /* Th
BYTE cmd; /* Th
BYTE antiTheftProtectionStatus; /**/
BYTE manufacturerId1; /* MS
BYTE manufacturerId2; /* LS
BYTE antiTheftHintNumberBytes; /**/
BYTE antiTheftHintByte1; /* MS
BYTE antiTheftHintByte2;
BYTE antiTheftHintByte3; /* LS
                                                           /* The command */
                                                           /* MSB */
                                                          /* LSB */
/**/
/* MSB */
                                                         /* LSB */
                  antiTheftHintBvte3;
} ZW_ANTITHEFT_REPORT_3BYTE_FRAME;
typedef struct _ZW_ANTITHEFT_REPORT_4BYTE_FRAME_
    BYTE cmdClass;
BYTE cmd;
BYTE cmd;
BYTE antiTheftProtectionStatus;
BYTE manufacturerId1;
BYTE manufacturerId2;
BYTE antiTheftHintNumberBytes;
BYTE antiTheftHintByte1;
BYTE antiTheftHintByte2;
BYTE antiTheftHintByte3;
BYTE antiTheftHintByte4;
                                                           /* The command class */
                                                           /* The command */
                                                           /**/
                                                           /* MSB */
                                                           /* LSB */
                                                          /* MSB */
                                                          /* LSB */
} ZW_ANTITHEFT_REPORT_4BYTE_FRAME;
/* Antitheft Set 1byte V2 command class structs */
,
typedef struct _ZW_ANTITHEFT_SET_1BYTE_V2_FRAME_
           cmdClass;
cmd;
properties1;
magicCode1;
manufacturerId1;
manufacturerId2;
antiTheftHintNumberBytes;
antiTheftHintByte1;
     BYTE
                                                           /* The command class */
                                                           /* The command */
                                                           /* masked byte */
     BYTE
     BYTE
                                                          /* MSB */
     BYTE
                                                           /* LSB */
     BYTE
                  antiTheftHintBytel;
} ZW_ANTITHEFT_SET_1BYTE_V2_FRAME;
/* Antitheft Set 2byte V2 command class structs */
typedef struct _ZW_ANTITHEFT_SET_2BYTE_V2_FRAME_
                cmdClass;
cmd;
     BYTE
                                                           /* The command class */
                                                           /* The command */
     BYTE
              properties1;
                                                            /* masked byte */
```

```
magicCode1;
                                            /* MSB */
             magicCode2;
                                            /* LSB */
   BYTE
                                            /* MSB */
   BYTE
             manufacturerId1;
          manufacturerId2;
antiTheftHintNumberBytes;
antiTheftHintByte1;
antiTheftHintByte2;
                                            /* LSB */
   BYTE
   BYTE
                                            /* MSB */
   BYTE
                                            /* LSB */
} ZW_ANTITHEFT_SET_2BYTE_V2_FRAME;
/* Antitheft Set 3byte V2 command class structs */
typedef struct _ZW_ANTITHEFT_SET_3BYTE_V2_FRAME_
    BYTE
             cmdClass;
                                            /* The command class */
                                            /* The command */
   BYTE
             cmd;
                                            /* masked byte */
   BYTE
             properties1;
   BYTE
             magicCode1;
   BYTE
             magicCode2;
   BYTE
             magicCode3;
                                            /* LSB */
         magicCode3;
manufacturerId1;
manufacturerId2;
antiTheftHintNumberBytes;
antiTheftHintByte1;
antiTheftHintByte2;
antiTheftHintByte3;
                                            /* MSB */
   BYTE
                                            /* LSB */
   BYTE
                                            /**/
   BYTE
                                            /* MSB */
   BYTE
   BYTE
                                            /* LSB */
} ZW_ANTITHEFT_SET_3BYTE_V2_FRAME;
typedef struct _ZW_ANTITHEFT_SET_4BYTE_V2_FRAME_
    BYTE
             cmdClass;
                                            /* The command class */
    BYTE
                                            /* The command */
             cmd;
            properties1;
                                            /* masked byte */
                                            /* MSB */
   BYTE
             magicCode1;
            magicCode2;
   BYTE
   BYTE
             magicCode3;
          magicCode3;
magicCode4;
manufacturerId1;
manufacturerId2;
antiTheftHintNumberBytes;
antiTheftHintByte1;
antiTheftHintByte2;
antiTheftHintByte3;
antiTheftHintByte4;
                                            /* LSB */
   BYTE
                                            /* MSB */
                                            /* LSB */
/**/
   BYTE
                                            /* MSB */
   BYTE
   BYTE
   BYTE
                                            /* LSB */
             antiTheftHintByte4;
} ZW_ANTITHEFT_SET_4BYTE_V2_FRAME;
typedef struct _ZW_ANTITHEFT_GET_V2_FRAME_
           cmdClass;
   BYTE
                                            /* The command class */
                                            /* The command */
   BYTE
             cmd;
} ZW_ANTITHEFT_GET_V2_FRAME;
/* Antitheft Report 1byte V2 command class structs */
typedef struct _ZW_ANTITHEFT_REPORT_1BYTE_V2_FRAME_
   BYTE
             cmdClass;
                                            /* The command class */
        cmdClass;
cmd;
antiTheftProtectionStatus;
manufacturerId1;
manufacturerId2;
antiTheftHintNumberBytes;
antiTheftHintByte1;
                                            /* The command */
   BYTE
                                            /* MSB */
    BYTE
                                            /* LSB */
   BYTE
    BYTE
             antiTheftHintBytel;
} ZW_ANTITHEFT_REPORT_1BYTE_V2_FRAME;
typedef struct _ZW_ANTITHEFT_REPORT_2BYTE_V2_FRAME_
                                            /\star The command class \star/
    BYTE
             cmdClass;
                                            /* The command */
             cmd;
    BYTE
             antiTheftProtectionStatus;
   BYTE
                                            /* MSB */
             manufacturerId1;
```

```
manufacturerId2;
                                           /* LSB */
          antiTheftHintByte1;
antiTheftHintByte1;
antiTheftHintByte1?
   BYTE
                                           /* MSB */
   BYTE
                                           /* LSB */
   BYTE
             antiTheftHintByte2;
} ZW_ANTITHEFT_REPORT_2BYTE_V2_FRAME;
/* Antitheft Report 3byte V2 command class structs */
typedef struct _ZW_ANTITHEFT_REPORT_3BYTE_V2_FRAME_
                                           /* The command class */
            cmdClass;
           cmd;
cmd;
antiTheftProtectionStatus;
manufacturerId1;
....facturerId2;
                                           /* The command */
                                          /**/
   BYTE
                                           /* MSB */
   BYTE
        manufacturerId2;
antiTheftHintNumberBytes;
antiTheftHintByte1;
antiTheftHintByte2;
antiTheftHintByte3;
                                           /* LSB */
   BYTE
   BYTE
   BYTE
                                          /* MSB */
   BYTE
   BYTE
                                          /* LSB */
} ZW_ANTITHEFT_REPORT_3BYTE_V2_FRAME;
/* Antitheft Report 4byte V2 command class structs */
typedef struct _ZW_ANTITHEFT_REPORT_4BYTE_V2_FRAME_
                                           /* The command class */
   BYTE
            cmdClass:
                                           /* The command */
   BYTE
            cmd;
            antiTheftProtectionStatus;
                                          /**/
   BYTE antiTheftProtectionStatus;
BYTE manufacturerId1;
BYTE manufacturerId2;
BYTE antiTheftHintNumberBytes;
BYTE antiTheftHintByte1;
BYTE antiTheftHintByte2;
BYTE antiTheftHintByte4;
BYTE antiTheftHintByte4;
                                           /* MSB */
                                           /* LSB */
                                          /* MSB */
                                          /* LSB */
} ZW_ANTITHEFT_REPORT_4BYTE_V2_FRAME;
/* Zwaveplus Info Get command class structs */
typedef struct _ZW_ZWAVEPLUS_INFO_GET_FRAME_
          cmdClass;
                                           /* The command class */
   BYTE
                                          /* The command */
   BYTE
             cmd;
} ZW ZWAVEPLUS INFO GET FRAME;
/* Zwaveplus Info Report command class structs */
typedef struct _ZW_ZWAVEPLUS_INFO_REPORT_FRAME
   BYTE cmdClass;
BYTE cmd;
BYTE zWaveVersion;
BYTE roleType;
BYTE nodeType;
                                           /* The command class */
                                           /* The command */
                                           /**/
} ZW_ZWAVEPLUS_INFO_REPORT_FRAME;
typedef struct _ZW_ZWAVEPLUS_INFO_GET_V2_FRAME_
           cmdClass;
                                          /* The command class */
                                          /* The command */
             cmd;
   BYTE
} ZW_ZWAVEPLUS_INFO_GET_V2_FRAME;
/* Zwaveplus Info Report V2 command class structs */
typedef struct _ZW_ZWAVEPLUS_INFO_REPORT_V2_FRAME_
                                           /* The command class */
   BYTE
            cmdClass;
           cmd;
zWaveVersion;
                                           /* The command */
   BYTE
                                           /**/
/**/
   BYTE
   BYTE
             roleType;
                                           /**/
   BYTE
            nodeType;
            installerIconType1;
                                           /* MSB */
   BYTE
                                           /* LSB */
             installerIconType2;
```

```
userIconType1;
userIconType2;
                                  /* MSB */
} ZW_ZWAVEPLUS_INFO_REPORT_V2_FRAME;
/* Gateway Mode Set command class structs */
typedef struct _ZW_GATEWAY_MODE_SET_FRAME_
  BYTE
          cmdClass;
                                 /* The command class */
                                 /* The command */
        cmd;
  BYTE
  BYTE
          mode;
} ZW_GATEWAY_MODE_SET_FRAME;
typedef struct _ZW_GATEWAY_MODE_GET_FRAME_
        cmdClass;
                                 /* The command class */
/* The command */
   BYTE
  BYTE
          cmd;
} ZW_GATEWAY_MODE_GET_FRAME;
typedef struct _ZW_GATEWAY_MODE_REPORT_FRAME_
       cmdClass;
cmd;
mode;
                                  /* The command class */
                                  /* The command */
  BYTE
} ZW_GATEWAY_MODE_REPORT_FRAME;
typedef struct _ZW_GATEWAY_PEER_SET_1BYTE_FRAME_
          cmdClass;
                                 /* The command class */
   BYTE
                                 /* The command */
   BYTE
          cmd;
         peerProfile;
          ipv6Address1;
                                  /* MSB */
  BYTE
          ipv6Address2;
  BYTE
          ipv6Address3;
   BYTE
          ipv6Address4;
          ipv6Address5;
  BYTE
   BYTE
          ipv6Address6;
         ipv6Address7;
   BYTE
  BYTE
          ipv6Address8;
   BYTE
          ipv6Address9;
         ipv6Address10;
  BYTE
         ipv6Address11;
   BYTE
         ipv6Address12;
   BYTE
          ipv6Address13;
   BYTE
         ipv6Address14;
  BYTE
         ipv6Address15;
                                 /* LSB */
          ipv6Address16;
   BYTE
         port1;
                                 /* MSB */
  BYTE
   BYTE
         port2;
                                  /* LSB */
   BYTE
          properties1;
                                 /* masked byte */
  BYTE
          peerName1;
} ZW_GATEWAY_PEER_SET_1BYTE_FRAME;
typedef struct _ZW_GATEWAY_PEER_SET_2BYTE_FRAME_
   BYTE
         cmdClass;
                                 /* The command class */
                                 /* The command */
  BYTE
         cmd;
         peerProfile;
                                  /**/
                                 /* MSB */
   BYTE
          ipv6Address1;
  BYTE
          ipv6Address2;
          ipv6Address3;
   BYTE
  BYTE
          ipv6Address4;
   BYTE
          ipv6Address5;
         ipv6Address6;
   BYTE
   BYTE
          ipv6Address7;
   RYTE
          ipv6Address8;
   BYTE
          ipv6Address9;
   BYTE
          ipv6Address10;
```

```
ipv6Address11;
   BYTE
           ipv6Address12;
   BYTE
           ipv6Address13;
   BYTE
           ipv6Address14;
           ipv6Address15;
   BYTE
   BYTE
           ipv6Address16;
                                      /* LSB */
                                      /* MSB */
   BYTE
           port1;
   BYTE
           port2;
                                      /* LSB */
                                      /* masked byte */
   BYTE
           properties1;
          peerName1;
                                      /* MSB */
   BYTE
                                      /* LSB */
           peerName2;
   BYTE
} ZW_GATEWAY_PEER_SET_2BYTE_FRAME;
typedef struct _ZW_GATEWAY_PEER_SET_3BYTE_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
/**/
   BYTE
           cmd;
           peerProfile;
   BYTE
                                      /* MSB */
   BYTE
           ipv6Address1;
           ipv6Address2;
   BYTE
           ipv6Address3;
   BYTE
           ipv6Address4;
   BYTE
           ipv6Address5;
   BYTE
           ipv6Address6;
           ipv6Address7;
   BYTE
           ipv6Address8;
   BYTE
           ipv6Address9;
   BYTE
           ipv6Address10;
   BYTE
   BYTE
           ipv6Address11;
   BYTE
           ipv6Address12;
           ipv6Address13;
   BYTE
           ipv6Address14;
   BYTE
   BYTE
           ipv6Address15;
                                      /* LSB */
   BYTE
           ipv6Address16;
                                      /* MSB */
   BYTE
           port1;
                                      /* LSB */
   BYTE
           port2;
         properties1;
properties1;
peerName1;
peerName2;
                                      /* masked byte */
   BYTE
                                      /* MSB */
   BYTE
   BYTE
            peerName3;
                                      /* LSB */
} ZW_GATEWAY_PEER_SET_3BYTE_FRAME;
/* Gateway Peer Set 4byte command class structs */
typedef struct _ZW_GATEWAY_PEER_SET_4BYTE_FRAME_
           cmdClass;
   BYTE
                                      /* The command class */
                                      /* The command */
/**/
   BYTE
           cmd;
           peerProfile;
   BYTE
            ipv6Address1;
                                      /* MSB */
   BYTE
           ipv6Address2;
   BYTE
           ipv6Address3;
           ipv6Address4;
   BYTE
   BYTE
           ipv6Address5;
   BYTE
           ipv6Address6;
   BYTE
           ipv6Address7;
   BYTE
           ipv6Address8;
   BYTE
           ipv6Address9;
           ipv6Address10;
   BYTE
           ipv6Address11;
   BYTE
           ipv6Address12;
   BYTE
           ipv6Address13;
   BYTE
           ipv6Address14;
   BYTE
           ipv6Address15;
   BYTE
           ipv6Address16;
                                      /* LSB */
                                      /* MSB */
   BYTE
           port1;
           port2;
                                      /* masked byte */
   BYTE
           properties1;
                                      /* MSB */
   BYTE
           peerName1;
   BYTE
           peerName2;
         peerName2;
peerName3;
   BYTE
                                     /* LSB */
   BYTE
           peerName4;
} ZW_GATEWAY_PEER_SET_4BYTE_FRAME;
```

```
typedef struct _ZW_GATEWAY_PEER_GET_FRAME_
                                         /* The command class */
/* The command */
   BYTE
            cmdClass;
   BYTE
          cmd;
             peerProfile;
   BYTE
} ZW_GATEWAY_PEER_GET_FRAME;
/* Gateway Peer Report 1byte command class structs */
.
typedef struct _ZW_GATEWAY_PEER_REPORT_1BYTE_FRAME_
                                          /* The command class */
/* The command */
   BYTE
            cmdClass;
   BYTE
           cmd;
                                         /**/
/**/
   BYTE
            peerProfile;
            peerCount;
ipv6Address1;
   BYTE
   BYTE
                                          /* MSB */
   BYTE
            ipv6Address2;
            ipv6Address3;
   BYTE
            ipv6Address4;
   BYTE
            ipv6Address5;
   BYTE
            ipv6Address6;
   BYTE
            ipv6Address7;
   BYTE
            ipv6Address8;
ipv6Address9;
   BYTE
   BYTE
            ipv6Address10;
   BYTE
            ipv6Address11;
            ipv6Address12;
   BYTE
   BYTE
            ipv6Address13;
            ipv6Address14;
   BYTE
           ipv6Address15;
ipv6Address16;
   BYTE
                                          /* LSB */
   BYTE
                                          /* MSB */
   BYTE
           port1;
                                          /* LSB */
            port2;
   BYTE
           properties1;
                                          /* masked byte */
   BYTE
             peerName1;
} ZW_GATEWAY_PEER_REPORT_1BYTE_FRAME;
typedef struct _ZW_GATEWAY_PEER_REPORT_2BYTE_FRAME_
   BYTE
            cmdClass;
                                          /* The command class */
           ..ucl
cmd;
                                          /* The command */
   BYTE
            peerProfile;
   BYTE
            peerCount;
                                          /**/
   BYTE
            ipv6Address1;
   BYTE
                                          /* MSB */
   BYTE
            ipv6Address2;
   BYTE
            ipv6Address3;
            ipv6Address4;
   BYTE
            ipv6Address5;
   BYTE
            ipv6Address6;
   BYTE
            ipv6Address7;
   BYTE
            ipv6Address8;
   BYTE
            ipv6Address9;
            ipv6Address10;
   BYTE
   BYTE
            ipv6Address11;
   BYTE
            ipv6Address12;
   BYTE
            ipv6Address13;
   BYTE
            ipv6Address14;
            ipv6Address15;
   BYTE
                                          /* LSB */
   BYTE
            ipv6Address16;
           port1;
port2;
                                          /* MSB */
   BYTE
   BYTE
                                          /* LSB */
   BYTE
            properties1;
                                          /* masked byte */
                                         /* MSB */
/* LSB */
          peerName1;
   BYTE
   BYTE
             peerName2:
} ZW GATEWAY PEER REPORT 2BYTE FRAME;
/* Gateway Peer Report 3byte command class structs */
typedef struct _ZW_GATEWAY_PEER_REPORT_3BYTE_FRAME_
            cmdClass;
                                          /* The command class */
                                         /* The command */
/**/
/**/
   BYTE
   BYTE
            peerProfile;
            peerCount;
ipv6Address1;
   RYTE
                                          /* MSB */
   BYTE
             ipv6Address2;
```

```
ipv6Address3;
   BYTE
           ipv6Address4;
   BYTE
           ipv6Address5;
   BYTE
           ipv6Address6;
           ipv6Address7;
   BYTE
   BYTE
           ipv6Address8;
          ipv6Address9;
   BYTE
           ipv6Address10;
   BYTE
           ipv6Address11;
          ipv6Address12;
   BYTE
           ipv6Address13;
   BYTE
           ipv6Address14;
   BYTE
           ipv6Address15;
   BYTE
          ipv6Address16;
                                    /* LSB */
                                    /* MSB */
   BYTE
           port1;
                                    /* LSB */
   BYTE
           port2;
   BYTE
           properties1;
                                    /* masked byte */
   BYTE
          peerName1;
                                     /* MSB */
   BYTE
         peerName2;
           peerName3;
   BYTE
                                    /* LSB */
} ZW_GATEWAY_PEER_REPORT_3BYTE_FRAME;
/* Gateway Peer Report 4byte command class structs */
typedef struct _ZW_GATEWAY_PEER_REPORT_4BYTE_FRAME_
                                    /* The command class */
           cmdClass:
   BYTE
                                    /* The command */
   BYTE
           cmd;
                                    /**/
/**/
          peerProfile;
   BYTE
          peerCount;
   BYTE
                                    /* MSB */
   BYTE
           ipv6Address1;
          ipv6Address2;
   BYTE
           ipv6Address3;
   BYTE
   BYTE
           ipv6Address4;
   BYTE
          ipv6Address5;
   BYTE
           ipv6Address6;
   BYTE
          ipv6Address7;
   RYTE
          ipv6Address8;
           ipv6Address9;
   BYTE
   BYTE
          ipv6Address10;
           ipv6Address11;
   BYTE
           ipv6Address12;
   BYTE
          ipv6Address13;
          ipv6Address14;
   BYTE
           ipv6Address15;
   BYTE
           ipv6Address16;
                                    /* LSB */
   BYTE
   BYTE
           port1;
                                    /* MSB */
                                    /* LSB */
   BYTE
           port2;
           properties1;
                                    /* masked byte */
   RYTE
                                    /* MSB */
   BYTE
           peerName1;
   BYTE
           peerName2;
          peerName3;
   BYTE
           peerName4;
                                    /* LSB */
} ZW_GATEWAY_PEER_REPORT_4BYTE_FRAME;
typedef struct _ZW_GATEWAY_LOCK_SET_FRAME_
                                    /* The command class */
   BYTE
           cmdClass;
                                    /* The command */
   BYTE
          cmd;
                                    /* masked byte */
           properties1;
   BYTE
} ZW_GATEWAY_LOCK_SET_FRAME;
typedef struct _ZW_UNSOLICITED_DESTINATION_SET_FRAME_
          cmdClass;
                                    /* The command class */
   BYTE
           cmd; /* The command */
unsolicitedIpv6Destination1; /* MSB */
   BYTE
   BYTE
           unsolicitedIpv6Destination2;
   BYTE
           unsolicitedIpv6Destination3;
   BYTE
   BYTE
           unsolicitedIpv6Destination4;
   BYTE
           unsolicitedIpv6Destination5;
   RYTE
           unsolicitedIpv6Destination6;
   BYTE
           unsolicitedIpv6Destination7;
           unsolicitedIpv6Destination8;
```

```
unsolicitedIpv6Destination9;
             unsolicitedIpv6Destination10;
   BYTE
             unsolicitedIpv6Destination11;
   BYTE
             unsolicitedIpv6Destination12;
   BYTE
             unsolicitedIpv6Destination13;
             unsolicitedIpv6Destination14;
   BYTE
   BYTE
             unsolicitedIpv6Destination15;
             unsolicitedIpv6Destination16; /* LSB */
unsolicitedDestinationPort1; /* MSB */
   BYTE
   BYTE
             unsolicitedDestinationPort2; /* LSB */
   BYTE
} ZW_UNSOLICITED_DESTINATION_SET_FRAME;
/* Unsolicited Destination Get command class structs */
typedef struct _ZW_UNSOLICITED_DESTINATION_GET_FRAME_
            cmdClass;
cmd;
                                            /* The command class */
} ZW_UNSOLICITED_DESTINATION_GET_FRAME;
typedef struct _ZW_UNSOLICITED_DESTINATION_REPORT_FRAME_
   BYTE
                                            /* The command class */
             cmdClass;
                                            /* The command */
   BYTE
             cmd:
             unsolicitedIpv6Destination1; /* MSB */
   BYTE
             unsolicitedIpv6Destination2;
   BYTE
   BYTE
             unsolicitedIpv6Destination3;
   BYTE
             unsolicitedIpv6Destination4;
   BYTE
             unsolicitedIpv6Destination5;
   BYTE
             unsolicitedIpv6Destination6;
             unsolicitedIpv6Destination7;
   BYTE
             unsolicitedIpv6Destination8;
   BYTE
   BYTE
             unsolicitedIpv6Destination9;
   BYTE
             unsolicitedIpv6Destination10;
   BYTE
             unsolicitedIpv6Destination11;
   BYTE
             unsolicitedIpv6Destination12;
             unsolicitedIpv6Destination13;
             unsolicitedIpv6Destination14;
   BYTE
             unsolicitedIpv6Destination15;
             unsolicitedIpv6Destination16; /* LSB */
   BYTE
          unsolicitedDestinationPort1; /* MSB */
unsolicitedDestinationPort2; /* LSB */
   BYTE
} ZW UNSOLICITED DESTINATION REPORT FRAME;
   ********************
// Command Application Node Info Set 1byte command class structs */
typedef struct _ZW_COMMAND_APPLICATION_NODE_INFO_SET_1BYTE_FRAME
           cmdClass;
                                           /* The command class */
   BYTE
          cmd;
cmd;
nonSecureCommandClass1;
securitySchemeOMark1;
securitySchemeOMark2;
securitySchemeOCommandClas
                                           /* The command */
   BYTE
   BYTE
                                           /* MSB */
   BYTE
                                           /* LSB */
             securityScheme0CommandClass1;
} ZW_COMMAND_APPLICATION_NODE_INFO_SET_1BYTE_FRAME;
/* Command Application Node Info Set 2byte command class structs */
typedef struct _ZW_COMMAND_APPLICATION_NODE_INFO_SET_2BYTE_FRAME
                                           /* The command class */
/* The command */
   BYTE
             cmdClass;
   BYTE
             cmd:
          cmd; /* The common consecureCommandClass1; /* MSB */
nonSecureCommandClass2; /* LSB */
securitySchemeOMark1; /* MSB */
securitySchemeOMark2; /* LSB */
securitySchemeOCommandClass1; /* MSB */
securitySchemeOCommandClass2; /* LSB */
   BYTE
   BYTE
   BYTE
   BYTE
} ZW_COMMAND_APPLICATION_NODE_INFO_SET_2BYTE_FRAME;
/* Command Application Node Info Set 3byte command class structs */
typedef struct _ZW_COMMAND_APPLICATION_NODE_INFO_SET_3BYTE_FRAME
```

```
cmdClass;
                                           /* The command class */
                                           /* The command */
   BYTE
             cmd;
                                           /* MSB */
   BYTE
             nonSecureCommandClass1;
             nonSecureCommandClass2;
nonSecureCommandClass3;
   BYTE
                                          /* LSB */
   BYTE
            securitySchemeOMark1;
securitySchemeOMark2;
                                          /* MSB */
   BYTE
                                          /* LSB */
   BYTE
   BYTE
             securitySchemeOCommandClass1; /* MSB */
             securityScheme0CommandClass2;
securityScheme0CommandClass3; /* LSB */
   BYTE
   BYTE
} ZW_COMMAND_APPLICATION_NODE_INFO_SET_3BYTE_FRAME;
/* Command Application Node Info Set 4byte command class structs */
typedef struct _ZW_COMMAND_APPLICATION_NODE_INFO_SET_4BYTE_FRAME_
             cmdClass;
                                           /* The command class */
                                           /* The command */
   BYTE
             cmd;
   BYTE
             nonSecureCommandClass1;
                                           /* MSB */
   BYTE
             nonSecureCommandClass2;
             nonSecureCommandClass3;
   BYTE
             nonSecureCommandClass4;
                                          /* LSB */
   BYTE
            securitySchemeOMark1;
securitySchemeOMark2;
   BYTE
                                           /* LSB */
            securitySchemeOCommandClass1; /* MSB */
   BYTE
          securityScheme0CommandClass2;
securityScheme0CommandClass3;
securityScheme0CommandClass4; /* LSB */
   BYTE
   BYTE
} ZW_COMMAND_APPLICATION_NODE_INFO_SET_4BYTE_FRAME;
   typedef struct _ZW_COMMAND_APPLICATION_NODE_INFO_GET_FRAME_
            cmdClass;
                                           /* The command class */
            cmd;
} ZW_COMMAND_APPLICATION_NODE_INFO_GET_FRAME;
^{\prime \star} Command Application Node Info Report 1byte command class structs ^{\star \prime}
typedef struct _ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_1BYTE_FRAME_
                                           /* The command class */
            cmdClass;
                                           /* The command */
            cmd;
            nonSecureCommandClass1;
             securitySchemeOMark1;
                                           /* MSB */
   BYTE
                                          /* LSB */
   BYTE
           securitySchemeOMark2;
             securityScheme0CommandClass1;
   BYTE
} ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_1BYTE_FRAME;
/* Command Application Node Info Report 2byte command class structs */
typedef struct _ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_2BYTE_FRAME_
                                          /* The command class */
/* The command */
/* MSB */
             cmdClass;
   BYTE
            nonSecureCommandClass1;
nonSecureCommandClass2;
   BYTE
                                          /* LSB */
   BYTE
          securityScheme0Mark1; /* MSB */
securityScheme0CommandClass1; /* MSB */
securityScheme0CommandClass1; /* MSB */
securityScheme0CommandClass2; /* LSB */
   BYTE
   BYTE
} ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_2BYTE_FRAME;
   ./* Command Application Node Info Report 3byte command class structs ^{\star}/
typedef struct _ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_3BYTE_FRAME_
   BYTE
            cmdClass;
                                           /* The command class */
                                           /* The command */
   BYTE
            cmd;
                                           /* MSB */
   BYTE
            nonSecureCommandClass1;
   BYTE
             nonSecureCommandClass2;
                                           /* LSB */
   BYTE
             nonSecureCommandClass3;
                                          /* MSB */
            securitySchemeOMark1;
   RYTE
             securitySchemeOMark2;
                                           /* LSB */
   BYTE
             securitySchemeOCommandClass1; /* MSB */
```

```
securitySchemeOCommandClass2;
             securityScheme0CommandClass3; /* LSB */
} ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_3BYTE_FRAME;
/* Command Application Node Info Report 4byte command class structs */
typedef struct _ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_4BYTE_FRAME_
   BYTE
             cmdClass;
                                           /* The command class */
                                           /* The command */
   BYTE
             cmd;
                                           /* MSB */
             nonSecureCommandClass1;
   BYTE
             nonSecureCommandClass2;
   BYTE
             nonSecureCommandClass3;
                                          /* LSB */
   BYTE
             nonSecureCommandClass4;
                                          /* MSB */
             securitySchemeOMark1;
securitySchemeOMark2;
   BYTE
                                          /* LSB */
   BYTE
   BYTE
             securitySchemeOCommandClass1; /* MSB */
   BYTE
             securitySchemeOCommandClass2;
   BYTE
             securitySchemeOCommandClass3;
             securitySchemeOCommandClass4; /* LSB */
   BYTE
} ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_4BYTE_FRAME;
typedef struct _ZW_GATEWAY_CONFIGURATION_SET_FRAME_
             cmdClass;
                                           /* The command class */
                                           /* The command */
   BYTE
             cmd;
                                           /* MSB */
   BYTE
             lanIpv6Address1;
   BYTE
             lanIpv6Address2;
             lanIpv6Address3;
lanIpv6Address4;
   BYTE
   BYTE
   BYTE
             lanIpv6Address5;
    BYTE
             lanIpv6Address6;
   BYTE
             lanIpv6Address7;
   BYTE
             lanIpv6Address8;
   BYTE
             lanIpv6Address9;
             lanIpv6Address10;
   BYTE
             lanIpv6Address11;
   BYTE
             lanIpv6Address12;
   BYTE
             lanIpv6Address13;
   BYTE
             lanIpv6Address14;
             lanIpv6Address15;
   BYTE
             lanIpv6Address16;
                                           /* LSB */
   BYTE
   BYTE
             lanIpv6PrefixLength;
   BYTE
             portalIpv6Prefix1;
                                           /* MSB */
   BYTE
             portalIpv6Prefix2;
   BYTE
             portalIpv6Prefix3;
             portalIpv6Prefix4;
   BYTE
             portalIpv6Prefix5;
   BYTE
             portalIpv6Prefix6;
   BYTE
             portalIpv6Prefix7;
   BYTE
             portalIpv6Prefix8;
   BYTE
             portalIpv6Prefix9;
             portalIpv6Prefix10;
   BYTE
             portalIpv6Prefix11;
   BYTE
    BYTE
             portalIpv6Prefix12;
   BYTE
             portalIpv6Prefix13;
   BYTE
             portalIpv6Prefix14;
             portalIpv6Prefix15;
   BYTE
                                           /* LSB */
             portalIpv6Prefix16;
   BYTE
             portalIpv6PrefixLength;
   BYTE
             defaultGatewayIpv6Address1;
                                           /* MSB */
    BYTE
   BYTE
             defaultGatewayIpv6Address2;
   BYTE
             defaultGatewayIpv6Address3;
   BYTE
             defaultGatewayIpv6Address4;
    BYTE
             defaultGatewayIpv6Address5;
   BYTE
             defaultGatewayIpv6Address6;
             defaultGatewayIpv6Address7;
   BYTE
             defaultGatewayIpv6Address8;
             defaultGatewayIpv6Address9;
defaultGatewayIpv6Address10;
defaultGatewayIpv6Address11;
   BYTE
   BYTE
   BYTE
             defaultGatewayIpv6Address12;
    BYTE
    BYTE
             defaultGatewayIpv6Address13;
   BYTE
             defaultGatewayIpv6Address14;
             defaultGatewayIpv6Address15;
defaultGatewayIpv6Address16;
   BYTE
                                           /* LSB */
   BYTE
                                           /* MSB */
    BYTE
             panIpv6Prefix1;
```

```
panIpv6Prefix2;
   BYTE
             panIpv6Prefix3;
   BYTE
             panIpv6Prefix4;
             panIpv6Prefix5;
panIpv6Prefix6;
   BYTE
   BYTE
   BYTE
             panIpv6Prefix7;
   BYTE
             panIpv6Prefix8;
   BYTE
             panIpv6Prefix9;
   BYTE
             panIpv6Prefix10;
             panIpv6Prefix11;
   BYTE
             panIpv6Prefix12;
   BYTE
             panIpv6Prefix13;
   BYTE
           panIpv6Prefix14;
panIpv6Prefix15;
   BYTE
                                           /* LSB */
   BYTE
             panIpv6Prefix16;
} ZW_GATEWAY_CONFIGURATION_SET_FRAME;
/st Gateway Configuration Status command class structs st/
/*****************
typedef struct _ZW_GATEWAY_CONFIGURATION_STATUS_FRAME_
          cmdClass;
cmd;
status;
                                           /* The command class */
/* The command */
   BYTE
   BYTE
} ZW_GATEWAY_CONFIGURATION_STATUS_FRAME;
   typedef struct _ZW_GATEWAY_CONFIGURATION_GET_FRAME_
         cmdClass;
                                           /* The command class */
/* The command */
   BYTE
   BYTE
             cmd;
} ZW GATEWAY CONFIGURATION GET FRAME;
/* Gateway Configuration Report command class structs */
typedef struct _ZW_GATEWAY_CONFIGURATION_REPORT_FRAME
             cmdClass;
                                           /* The command class */
/* The command */
/* MSB */
   BYTE
             cmd;
             lanIpv6Address1;
   BYTE
             lanIpv6Address2;
   BYTE
             lanIpv6Address3;
   BYTE
             lanIpv6Address4;
   BYTE
   BYTE
             lanIpv6Address5;
   BYTE
             lanIpv6Address6;
   RYTE
             lanIpv6Address7;
   BYTE
             lanIpv6Address8;
             lanIpv6Address9;
   BYTE
             lanIpv6Address10;
   BYTE
             lanIpv6Address11;
   BYTE
             lanIpv6Address12;
   BYTE
             lanIpv6Address13;
             lanIpv6Address14;
   BYTE
             lanIpv6Address15;
   BYTE
                                           /* LSB */
/**/
   BYTE
             lanIpv6Address16;
   BYTE
             lanIpv6PrefixLength;
                                           /* MSB */
   BYTE
             portalIpv6Prefix1;
             portalIpv6Prefix2;
   BYTE
             portalIpv6Prefix3;
   BYTE
             portalIpv6Prefix4;
   BYTE
    BYTE
             portalIpv6Prefix5;
   BYTE
             portalIpv6Prefix6;
   BYTE
             portalIpv6Prefix7;
             portalIpv6Prefix8;
   BYTE
   BYTE
             portalIpv6Prefix9;
   BYTE
             portalIpv6Prefix10;
             portalIpv6Prefix11;
   BYTE
             portalIpv6Prefix12;
   BYTE
             portalIpv6Prefix13;
             portalIpv6Prefix14;
   BYTE
             portalIpv6Prefix15;
   BYTE
                                           /* LSB */
/**/
/* MSB */
             portalIpv6Prefix16;
   BYTE
    BYTE
             portalIpv6PrefixLength;
   BYTE
             defaultGatewayIpv6Address1;
             defaultGatewayIpv6Address2;
defaultGatewayIpv6Address3;
   RYTE
   BYTE
             defaultGatewayIpv6Address4;
```

```
defaultGatewayIpv6Address5;
             defaultGatewayIpv6Address6;
   BYTE
   BYTE
             defaultGatewayIpv6Address7;
   BYTE
             defaultGatewayIpv6Address8;
   BYTE
             defaultGatewayIpv6Address9;
             defaultGatewayIpv6Address10;
   BYTE
   BYTE
             defaultGatewayIpv6Address11;
             defaultGatewayIpv6Address12;
   BYTE
             defaultGatewayIpv6Address13;
   BYTE
             defaultGatewayIpv6Address14;
             defaultGatewayIpv6Address15;
   BYTE
                                          /* LSB */
   BYTE
             defaultGatewayIpv6Address16;
             panIpv6Prefix1;
   BYTE
             panIpv6Prefix2;
   BYTE
             panIpv6Prefix3;
            panIpv6Prefix4;
panIpv6Prefix5;
   BYTE
   BYTE
   BYTE
            panIpv6Prefix6;
   BYTE
            panIpv6Prefix7;
           panIpv6Prefix8;
panIpv6Prefix9;
panIpv6Prefix10;
   BYTE
   BYTE
   BYTE
          panipv6Prefix11;
panipv6Prefix12;
panipv6Prefix13;
panipv6Prefix13;
panipv6Prefix14;
panipv6Prefix15;
panipv6Prefix16;
   BYTE
   BYTE
   BYTE
   RYTE
                                          /* LSB */
             panIpv6Prefix16;
   BYTE
} ZW_GATEWAY_CONFIGURATION_REPORT_FRAME;
/************************
typedef struct _ZW_DMX_ADDRESS_SET_FRAME_
   BYTE
            cmdClass;
                                          /* The command class */
                                          /* The command */
   BYTE
            cmd;
           properties1;
                                          /* masked byte */
   BYTE
   BYTE
             channelId;
} ZW_DMX_ADDRESS_SET_FRAME;
typedef struct _ZW_DMX_ADDRESS_GET_FRAME_
   BYTE cmdClass;
BYTE cmd;
                                          /* The command class */
} ZW_DMX_ADDRESS_GET_FRAME;
/* Dmx Address Report command class structs */
typedef struct _ZW_DMX_ADDRESS_REPORT_FRAME_
                                          /* The command class */
            cmdClass;
   BYTE
                                          /* The command */
   BYTE
            cmd:
           properties1;
                                           /* masked byte */
   BYTE
             channelId;
} ZW_DMX_ADDRESS_REPORT_FRAME;
/* Dmx Capability Get command class structs */
typedef struct _ZW_DMX_CAPABILITY_GET_FRAME_
                                          /\!\!\!\!\!^{\star} The command class */ /\!\!\!\!\!\!^{\star} The command */
            cmdClass;
   BYTE
   BYTE
            cmd:
             channelId;
   BYTE
} ZW_DMX_CAPABILITY_GET_FRAME;
typedef struct _ZW_DMX_CAPABILITY_REPORT_FRAME_
   BYTE
            cmdClass;
                                           /* The command class */
   BYTE
            cmd;
                                          /* The command */
                                          /**/
            channelId;
   BYTE
                                          /* MSB */
            propertyId1;
   BYTE
                                          /* LSB */
            propertyId2;
```

```
deviceChannels;
                                    /**/
           maxChannels;
} ZW DMX CAPABILITY REPORT FRAME;
/* Dmx Data 1byte command class structs */
typedef struct _ZW_DMX_DATA_1BYTE_FRAME_
                                    /* The command class */
   BYTE
           cmdClass;
                                    /* The command */
   BYTE
          cmd;
   BYTE
          source;
                                    /* masked byte */
           properties1;
   BYTE
           dmxChannel1;
} ZW_DMX_DATA_1BYTE_FRAME;
typedef struct _ZW_DMX_DATA_2BYTE_FRAME_
                                    /* The command class */
   BYTE
           cmdClass;
                                    /* The command */
   BYTE
          cmd;
          source;
   BYTE
          properties1;
                                    /* masked byte */
                                    /* MSB */
   BYTE
          dmxChannel1;
                                    /* LSB */
   BYTE
           dmxChannel2;
} ZW_DMX_DATA_2BYTE_FRAME;
/* Dmx Data 3byte command class structs */
typedef struct _ZW_DMX_DATA_3BYTE_FRAME_
   BYTE
           cmdClass;
                                    /* The command class */
                                    /* The command */
          cmd;
   BYTE
           source;
                                    /**/
                                    /* masked byte */
   BYTE
          properties1;
                                    /* MSB */
   BYTE
           dmxChannell:
          dmxChannel2;
   BYTE
   BYTE
           dmxChannel3;
                                    /* LSB */
} ZW_DMX_DATA_3BYTE_FRAME;
/* Dmx Data 4byte command class structs */
typedef struct _ZW_DMX_DATA_4BYTE_FRAME_
   BYTE
           cmdClass;
                                    /* The command class */
                                    /* The command */
   BYTE
           cmd;
                                    /**/
   BYTE
           source;
                                    /* masked byte */
   BYTE
          properties1;
           dmxChannel1;
                                    /* MSB */
         dmxChannel3;
   BYTE
   BYTE
                                    /* LSB */
   BYTE
           dmxChannel4:
} ZW_DMX_DATA_4BYTE_FRAME;
/* Barrier Operator Set command class structs */
typedef struct _ZW_BARRIER_OPERATOR_SET_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
                                    /* The command */
         cmd;
           targetValue;
} ZW_BARRIER_OPERATOR_SET_FRAME;
  /* Barrier Operator Get command class structs */
typedef struct _ZW_BARRIER_OPERATOR_GET_FRAME_
         cmdClass;
cmd;
                                    /* The command class */
   BYTE
                                    /* The command */
   BYTE
} ZW BARRIER OPERATOR GET FRAME;
typedef struct _ZW_BARRIER_OPERATOR_REPORT_FRAME_
```

```
{
          cmdClass;
   BYTE
                                      /* The command class */
           cmd;
                                      /* The command */
   BYTE
   BYTE
           state;
} ZW_BARRIER_OPERATOR_REPORT_FRAME;
^{\prime\prime} Barrier Operator Signal Supported Get command class structs ^{\star\prime}
typedef struct _ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_GET_FRAME_
          cmdClass;
                                     /* The command class */
                                      /* The command */
            cmd;
} ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_GET_FRAME;
/*
/* Barrier Operator Signal Supported Report 1byte command class structs */
/*************************/
typedef struct _ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT_1BYTE_FRAME_
                                     /* The command class */
/* The command */
   BYTE
           cmdClass;
        cmd;
bitMask1;
   BYTE
   BYTE
} ZW BARRIER OPERATOR SIGNAL SUPPORTED REPORT 1BYTE FRAME;
/* Barrier Operator Signal Supported Report 2byte command class structs */
typedef struct _ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT_2BYTE_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                     /* The command */
   BYTE
           cmd;
        bitMask1;
                                     /* MSB */
   BYTE
                                      /* LSB */
           bitMask2;
   BYTE
} ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT_2BYTE_FRAME;
/* Barrier Operator Signal Supported Report 3byte command class structs */
typedef struct _ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT_3BYTE_FRAME
                                     /* The command class */
/* The command */
           cmdClass;
   BYTE
           cmd;
          bitMask1;
                                     /* MSB */
   BYTE
        bitMask2;
   BYTE
                                      /* LSB */
           bitMask3;
} ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT_3BYTE_FRAME;
typedef struct _ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT_4BYTE_FRAME
         cmdClass;
   BYTE
                                     /* The command class */
                                      /* The command */
   BYTE
           cmd;
                                     /* MSB */
          bitMask1;
   BYTE
   BYTE
           bitMask2:
          bitMask3;
           bitMask4;
} ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT_4BYTE_FRAME;
typedef struct _ZW_BARRIER_OPERATOR_SIGNAL_SET_FRAME_
                                     /* The command class */
/* The command */
   BYTE
           cmdClass;
   BYTE
           cmd:
        subsystemType;
                                     /**/
   BYTE
           subsystemState;
} ZW_BARRIER_OPERATOR_SIGNAL_SET_FRAME;
typedef struct _ZW_BARRIER_OPERATOR_SIGNAL_GET_FRAME_
   BYTE
           cmdClass;
                                      /* The command */
         cmd;
   BYTE
           subsystemType;
   BYTE
} ZW_BARRIER_OPERATOR_SIGNAL_GET_FRAME;
```

```
/************************
/* Barrier Operator Signal Report command class structs */
typedef struct _ZW_BARRIER_OPERATOR_SIGNAL_REPORT_FRAME_
        cmdClass;
                                 /* The command class */
       cmd;
subsystemType;
                                 /* The command */
   BYTE
  BYTE
  BYTE
          subsystemState;
} ZW_BARRIER_OPERATOR_SIGNAL_REPORT_FRAME;
/* Last Working Route Set command class structs */
typedef struct _ZW_LAST_WORKING_ROUTE_SET_FRAME_
         cmdClass;
                                 /* The command class */
                                 /* The command */
  BYTE
         cmd;
                                 /**/
/**/
  BYTE
         nodeid;
         repeater1;
  BYTE
  BYTE
         repeater2;
        repeater3;
repeater4;
  BYTE
  BYTE
          speed;
} ZW_LAST_WORKING_ROUTE_SET_FRAME;
/* Last Working Route Get command class structs */
typedef struct _ZW_LAST_WORKING_ROUTE_GET_FRAME_
       cmdClass;
cmd;
                                 /* The command class */
/* The command */
  BYTE
  BYTE
  BYTE
} ZW LAST WORKING ROUTE GET FRAME;
typedef struct _ZW_LAST_WORKING_ROUTE_REPORT_FRAME_
        cmdClass;
                                 /* The command class */
  BYTE
                                 /* The command */
  BYTE
         cmd;
        cma;
nodeid;
repeater1;
repeater2;
repeater3;
repeater4;
speed;
                                 /**/
  BYTE
                                 /**/
  BYTE
                                 /**/
  BYTE
                                 /**/
  BYTE
  BYTE
  BYTE
} ZW_LAST_WORKING_ROUTE_REPORT_FRAME;
typedef struct _ZW_STATISTICS_GET_FRAME_
       cmdClass;
                                 /* The command class */
       cmd;
nodeid;
                                 /* The command */
  BYTE
} ZW_STATISTICS_GET_FRAME;
typedef struct _VG_STATISTICS_REPORT_1BYTE_VG_
       type;
length;
value1;
  BYTE
                                 /**/
  BYTE
} VG_STATISTICS_REPORT_1BYTE_VG;
typedef struct _VG_STATISTICS_REPORT_2BYTE_VG_
        type;
length;
value1;
  BYTE
  BYTE
                                 /* MSB */
  BYTE
                                 /* LSB */
          value2;
```

```
} VG STATISTICS REPORT 2BYTE VG;
typedef struct _VG_STATISTICS_REPORT_3BYTE_VG_
   BYTE
           type;
   BYTE
           length;
                                    /* MSB */
   BYTE
          value1:
          value2;
   BYTE
                                    /* LSB */
   BYTE
           value3;
} VG STATISTICS REPORT 3BYTE VG;
typedef struct _VG_STATISTICS_REPORT_4BYTE_VG_
   BYTE
          type;
   BYTE
          length;
                                    /* MSB */
   BYTE
          value1;
   BYTE
          value2;
          value3;
value4;
   BYTE
                                    /* LSB */
} VG_STATISTICS_REPORT_4BYTE_VG;
/* Statistics Report 1byte command class structs */
typedef struct _ZW_STATISTICS_REPORT_1BYTE_FRAME_
          cmdClass;
   BYTE
                                    /\star The command class \star/
                                    /* The command */
   BYTE
          cmd;
           nodeid;
   BYTE
   VG STATISTICS REPORT_4BYTE_VG variantgroup1;
} ZW_STATISTICS_REPORT_1BYTE_FRAME;
typedef struct _ZW_STATISTICS_REPORT_2BYTE_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
   BYTE
          cmd;
           nodeid;
   VG_STATISTICS_REPORT_4BYTE_VG_variantgroup1;
VG_STATISTICS_REPORT_4BYTE_VG_variantgroup2;
} ZW_STATISTICS_REPORT_2BYTE_FRAME;
typedef struct _ZW_STATISTICS_REPORT_3BYTE_FRAME_
                                    /* The command class */
           cmdClass;
                                    /* The command */
   BYTE
          cmd:
           nodeid;
   VG_STATISTICS_REPORT_4BYTE_VG_variantgroup1;
VG_STATISTICS_REPORT_4BYTE_VG_variantgroup2;
VG_STATISTICS_REPORT_4BYTE_VG_variantgroup3;
} ZW_STATISTICS_REPORT_3BYTE_FRAME;
/* Statistics Report 4byte command class structs */
typedef struct _ZW_STATISTICS_REPORT_4BYTE_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
                                    /* The command */
          cmd;
   VG_STATISTICS_REPORT_4BYTE_VG variantgroup1;
VG_STATISTICS_REPORT_4BYTE_VG variantgroup2;
VG_STATISTICS_REPORT_4BYTE_VG variantgroup3;
VG_STATISTICS_REPORT_4BYTE_VG variantgroup4;
} ZW STATISTICS REPORT 4BYTE FRAME;
/* Statistics Clear command class structs */
typedef struct _ZW_STATISTICS_CLEAR_FRAME_
```

```
cmdClass;
cmd;
   BYTE
                                      /* The command class */
                                      /* The command */
   BYTE
} ZW_STATISTICS_CLEAR_FRAME;
/* Zip Naming Name Set 1byte command class structs */
typedef struct _ZW_ZIP_NAMING_NAME_SET_1BYTE_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
         cmd;
name1;
} ZW_ZIP_NAMING_NAME_SET_1BYTE_FRAME;
/* Zip Naming Name Set 2byte command class structs */
typedef struct _ZW_ZIP_NAMING_NAME_SET_2BYTE_FRAME_
        cmdClass;
cmd;
name1;
name2:
                                      /* The command class */
/* The command */
   BYTE
  BYTE
                                      /* MSB */
   BYTE
           name2;
} ZW ZIP NAMING NAME SET 2BYTE FRAME;
typedef struct _ZW_ZIP_NAMING_NAME_SET_3BYTE_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
/* MSB */
          cmd;
   BYTE
   BYTE
           name1;
          name2;
name3;
   BYTE
                                      /* LSB */
} ZW_ZIP_NAMING_NAME_SET_3BYTE_FRAME;
typedef struct _ZW_ZIP_NAMING_NAME_SET_4BYTE_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
          cmd;
name1;
name2;
name3;
                                      /* The command */
/* MSB */
   BYTE
   BYTE
   BYTE
   BYTE
   BYTE
           name4;
                                      /* LSB */
} ZW_ZIP_NAMING_NAME_SET_4BYTE_FRAME;
/* Zip Naming Name Get command class structs */
typedef struct _ZW_ZIP_NAMING_NAME_GET_FRAME_
        cmdClass;
cmd;
                                      /* The command class */
   BYTE
                                     /* The command */
   BYTE
} ZW_ZIP_NAMING_NAME_GET_FRAME;
typedef struct _ZW_ZIP_NAMING_NAME_REPORT_1BYTE_FRAME_
        cmdClass;
cmd;
ram=1
                                      /* The command class */
   BYTE
                                      /* The command */
   BYTE
           name1:
   BYTE
} ZW_ZIP_NAMING_NAME_REPORT_1BYTE_FRAME;
/* Zip Naming Name Report 2byte command class structs */
typedef struct _ZW_ZIP_NAMING_NAME_REPORT_2BYTE_FRAME_
           cmdClass;
                                      /* The command class */
          cmd;
name1;
                                      /* The command */
   BYTE
                                      /* MSB */
   BYTE
                                      /* LSB */
   BYTE
           name2;
} ZW_ZIP_NAMING_NAME_REPORT_2BYTE_FRAME;
```

```
/* Zip Naming Name Report 3byte command class structs */
typedef struct _ZW_ZIP_NAMING_NAME_REPORT_3BYTE_FRAME
        cmdClass;
cmd;
name1;
name2;
   BYTE
                                   /* The command class */
                                   /* The command */
   BYTE
   BYTE
                                   /* MSB */
   BYTE
                                   /* LSB */
   BYTE
          name3;
} ZW_ZIP_NAMING_NAME_REPORT_3BYTE_FRAME;
/* Zip Naming Name Report 4byte command class structs */
typedef struct _ZW_ZIP_NAMING_NAME_REPORT_4BYTE_FRAME_
          cmdClass;
                                   /* The command class */
                                   /* The command */
   BYTE
          cmd;
                                   /* MSB */
   BYTE
          name1;
   BYTE
          name2;
         name3;
   BYTE
                                   /* LSB */
   BYTE
          name4;
} ZW_ZIP_NAMING_NAME_REPORT_4BYTE_FRAME;
typedef struct _ZW_ZIP_NAMING_LOCATION_SET_1BYTE_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
         cmd;
                                   /* The command */
   BYTE
          location1;
  BYTE
} ZW_ZIP_NAMING_LOCATION_SET_1BYTE_FRAME;
/\star Zip Naming Location Set 2byte command class structs \star/
typedef struct _ZW_ZIP_NAMING_LOCATION_SET_2BYTE_FRAME_
        cmdClass;
   BYTE
                                   /* The command class */
        cmd;
location1;
location2;
                                   /* The command */
                                   /* MSB */
   BYTE
                                   /* LSB */
   BYTE
} ZW_ZIP_NAMING_LOCATION_SET_2BYTE_FRAME;
/* Zip Naming Location Set 3byte command class structs */
typedef struct _ZW_ZIP_NAMING_LOCATION_SET_3BYTE_FRAME_
          cmdClass;
   BYTE
                                   /* The command class */
         cmd;
location1;
location2;
location3;
                                   /* The command */
                                   /* MSB */
   BYTE
   BYTE
                                   /* LSB */
   BYTE
} ZW_ZIP_NAMING_LOCATION_SET_3BYTE_FRAME;
/* Zip Naming Location Set 4byte command class structs */
typedef struct _ZW_ZIP_NAMING_LOCATION_SET_4BYTE_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
        cmd;
location1;
location2;
location3;
location4;
                                   /* The command */
/* MSB */
   BYTE
   BYTE
   BYTE
   BYTE
                                   /* LSB */
} ZW_ZIP_NAMING_LOCATION_SET_4BYTE_FRAME;
typedef struct _ZW_ZIP_NAMING_LOCATION_GET_FRAME_
        cmdClass;
                                  /* The command class */
/* The command */
          cmd;
} ZW_ZIP_NAMING_LOCATION_GET_FRAME;
/***********************
```

```
/* Zip Naming Location Report 1byte command class structs */
typedef struct _ZW_ZIP_NAMING_LOCATION_REPORT_1BYTE_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
         cmd;
location1;
                                      /* The command */
   BYTE
   BYTE
} ZW_ZIP_NAMING_LOCATION_REPORT_1BYTE_FRAME;
typedef struct _ZW_ZIP_NAMING_LOCATION_REPORT_2BYTE_FRAME_
                                      /* The command class */
   BYTE
           cmdClass;
                                      /* The command */
/* MSB */
          cmd;
location1;
location2;
   BYTE
   BYTE
                                      /* LSB */
} ZW_ZIP_NAMING_LOCATION_REPORT_2BYTE_FRAME;
typedef struct _ZW_ZIP_NAMING_LOCATION_REPORT_3BYTE_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
/* MSB */
          cmd;
location1;
   BYTE
   BYTE
          location2;
   BYTE
   BYTE
            location3;
} ZW_ZIP_NAMING_LOCATION_REPORT_3BYTE_FRAME;
typedef struct _ZW_ZIP_NAMING_LOCATION_REPORT_4BYTE_FRAME_
                                      /* The command class */
/* The command */
/* MSB */
   BYTE
           cmdClass;
   BYTE
           cmd;
           location1;
   BYTE
   BYTE
           location2;
         location3;
location4;
   BYTE
                                      /* LSB */
} ZW_ZIP_NAMING_LOCATION_REPORT_4BYTE_FRAME;
/* Mailbox Configuration Get command class structs */
typedef struct _ZW_MAILBOX_CONFIGURATION_GET_FRAME_
           cmdClass;
                                     /* The command class */
                                      /* The command */
   BYTE
           cmd;
} ZW_MAILBOX_CONFIGURATION_GET_FRAME;
typedef struct _ZW_MAILBOX_CONFIGURATION_SET_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
                                      /* masked byte */
           properties1;
   BYTE
            forwardingDestinationIpv6Address1;/* MSB */
   BYTE
            forwardingDestinationIpv6Address2;
   BYTE
            forwardingDestinationIpv6Address3;
   BYTE
            forwardingDestinationIpv6Address4;
            forwardingDestinationIpv6Address5;
forwardingDestinationIpv6Address6;
   BYTE
   BYTE
   BYTE
            forwardingDestinationIpv6Address7;
            forwardingDestinationIpv6Address8;
   BYTE
            forwardingDestinationIpv6Address9;
   BYTE
            forwardingDestinationIpv6Address10;
   BYTE
            {\tt forwardingDestinationIpv6Address11;}
            forwardingDestinationIpv6Address12;
forwardingDestinationIpv6Address13;
   BYTE
   BYTE
            forwardingDestinationIpv6Address14;
   BYTE
   BYTE
            forwardingDestinationIpv6Address15;
            forwardingDestinationIpv6Address16;/* LSB */
   BYTE
                                     /* MSB */
/* LSB */
   RYTE
            udpPortNumber1;
   BYTE
            udpPortNumber2;
} ZW_MAILBOX_CONFIGURATION_SET_FRAME;
```

```
/**********************
/* Mailbox Configuration Report command class structs */
typedef struct _ZW_MAILBOX_CONFIGURATION_REPORT_FRAME_
                                         /* The command class */
           cmdClass;
   BYTE
            cmd;
                                         /* The command */
                                         /* masked byte */
           properties1;
   BYTE
                                         /* MSB */
            mailboxCapacity1;
   RYTE
            mailboxCapacity2;
                                         /* LSB */
   BYTE
            forwardingDestinationIpv6Address1;/* MSB */
   BYTE
             forwardingDestinationIpv6Address2;
   BYTE
            forwardingDestinationIpv6Address3;
   BYTE
            forwardingDestinationIpv6Address4;
            forwardingDestinationIpv6Address5;
forwardingDestinationIpv6Address6;
   BYTE
   BYTE
   BYTE
             forwardingDestinationIpv6Address7;
   BYTE
             forwardingDestinationIpv6Address8;
   BYTE
             forwardingDestinationIpv6Address9;
   BYTE
            forwardingDestinationIpv6Address10;
            {\tt forwardingDestinationIpv6Address11;}
   BYTE
             forwardingDestinationIpv6Address12;
   BYTE
             forwardingDestinationIpv6Address13;
   BYTE
             forwardingDestinationIpv6Address14;
   BYTE
            forwardingDestinationIpv6Address15;
            forwardingDestinationIpv6Address16;/* LSB */
   BYTE
         udpPortNumber1;
                              /* MSB */
   BYTE
                                        /* LSB */
            udpPortNumber2;
} ZW_MAILBOX_CONFIGURATION_REPORT_FRAME;
typedef struct _ZW_MAILBOX_QUEUE_1BYTE_FRAME
   BYTE
            cmdClass;
                                         /\,^{\star} The command class ^{\star}/\,
                                         /* The command */
           cmd;
sequenceNumber;
   BYTE
   RYTE
          properties1;
queueHandle;
mailboxEntry1;
                                         /* masked byte */
   BYTE
} ZW_MAILBOX_QUEUE_1BYTE_FRAME;
typedef struct _ZW_MAILBOX_QUEUE_2BYTE_FRAME_
   BYTE
                                         /* The command class */
            cmdClass;
                                         /* The command */
   BYTE
            cmd;
   BYTE cmd;
BYTE sequenceNumber;
BYTE properties1;
BYTE queueHandle;
BYTE mailboxEntry1;
BYTE mailboxEntry2:
                                        /* masked byte */
                                         /**/
                                         /* MSB */
                                        /* LSB */
   BYTE
            mailboxEntry2;
} ZW_MAILBOX_QUEUE_2BYTE_FRAME;
/* Mailbox Queue 3byte command class structs */
typedef struct _ZW_MAILBOX_QUEUE_3BYTE_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
                                         /* The command */
           cmd;
   BYTE
            sequenceNumber;
                                         /* masked byte */
   BYTE
           properties1;
         properties1;
queueHandle;
mailboxEntry1;
mailboxEntry2;
mailboxEntry2;
   BYTE
                                         /* MSB */
   BYTE
   BYTE
            mailboxEntry3;
                                         /* LSB */
} ZW_MAILBOX_QUEUE_3BYTE_FRAME;
typedef struct _ZW_MAILBOX_QUEUE_4BYTE_FRAME_
                                         /* The command class */
/* The command */
   BYTE
           cmdClass;
   BYTE
            cmd;
            sequenceNumber;
```

```
properties1;
                                     /* masked byte */
           queueHandle;
   BYTE
          mailboxEntry1;
   BYTE
                                     /* MSB */
        mailboxEntry2;
mailboxEntry3;
mailboxEntry4:
   BYTE
   BYTE
           mailboxEntry4;
                                     /* LSB */
   BYTE
} ZW_MAILBOX_QUEUE_4BYTE_FRAME;
typedef struct _ZW_MAILBOX_WAKEUP_NOTIFICATION_FRAME_
          cmdClass;
                                     /* The command class */
                                    /* The command */
/**/
        cmd;
   BYTE
           queueHandle;
   BYTE
} ZW_MAILBOX_WAKEUP_NOTIFICATION_FRAME;
/*********************
/* Mailbox Node Failing command class structs */
typedef struct _ZW_MAILBOX_NODE_FAILING_FRAME_
          cmdClass;
   BYTE
                                     /* The command class */
       cmd;
queueHandle;
   BYTE
                                     /* The command */
  BYTE
} ZW_MAILBOX_NODE_FAILING_FRAME;
typedef struct _ZW_WINDOW_COVERING_SUPPORTED_GET_FRAME_
         cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
           cmd;
} ZW WINDOW COVERING SUPPORTED GET FRAME;
// Window Covering Supported Report 1byte command class structs */
typedef struct _ZW_WINDOW_COVERING_SUPPORTED_REPORT_1BYTE_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE properties1;
BYTE parameterMask
                                     /* The command class */
                                     /* The command */
                                     /* masked byte */
           parameterMask1;
} ZW WINDOW COVERING SUPPORTED REPORT 1BYTE FRAME;
// Window Covering Supported Report 2byte command class structs */
typedef struct _ZW_WINDOW_COVERING_SUPPORTED_REPORT_2BYTE_FRAME
       cmdClass;
cmd;
properties1;
parameterMask1;
parameterMask2;
                                     /* The command class */
   BYTE
                                     /* The command */
   BYTE
                                     /* masked byte */
   BYTE
                                    /* MSB */
   BYTE
           parameterMask2;
   BYTE
} ZW_WINDOW_COVERING_SUPPORTED_REPORT_2BYTE_FRAME;
// Window Covering Supported Report 3byte command class structs */
typedef struct _ZW_WINDOW_COVERING_SUPPORTED_REPORT_3BYTE_FRAME
   BYTE
           cmdClass;
                                     /* The command class */
                                     /* The command */
   BYTE
           cmd;
                                     /* masked byte */
          properties1;
   BYTE
        parameterMask1;
parameterMask2;
                                     /* MSB */
   BYTE
           parameterMask3;
} ZW_WINDOW_COVERING_SUPPORTED_REPORT_3BYTE_FRAME;
/* Window Covering Supported Report 4byte command class structs */
typedef struct _ZW_WINDOW_COVERING_SUPPORTED_REPORT_4BYTE_FRAME_
          cmdClass;
                                     /* The command class */
   BYTE
                                     /* The command */
   BYTE
          cmd;
                                     /* masked byte */
          properties1;
```

```
BYTE
           parameterMask1;
                                     /* MSB */
   BYTE
          parameterMask2;
   BYTE
           parameterMask3;
           parameterMask4;
                                     /* LSB */
   BYTE
} ZW_WINDOW_COVERING_SUPPORTED_REPORT_4BYTE_FRAME;
/* Window Covering Get command class structs */
typedef struct _ZW_WINDOW_COVERING_GET_FRAME_
                                     /* The command class */
           cmdClass;
         cmd;
parameterId;
                                     /* The command */
   BYTE
} ZW_WINDOW_COVERING_GET_FRAME;
/* Window Covering Report command class structs */
typedef struct _ZW_WINDOW_COVERING_REPORT_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
                                     /* The command */
   BYTE
          cmd;
                                     /**/
          parameterId;
   BYTE
          currentValue;
                                     /**/
   BYTE
         targetValue;
                                     /**/
   BYTE
           duration;
} ZW_WINDOW_COVERING_REPORT_FRAME;
/* Window Covering Set variant group structs */
typedef struct _VG_WINDOW_COVERING_SET_VG_
          parameterId;
   BYTE
           value;
} VG_WINDOW_COVERING_SET_VG;
typedef struct _ZW_WINDOW_COVERING_SET_1BYTE_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
         cmd;
                                     /* The command */
   BYTE
           properties1;
                                     /* masked byte */
   BYTE
   VG_WINDOW_COVERING_SET_VG variantgroup1;
BYTE duration;
} ZW_WINDOW_COVERING_SET_1BYTE_FRAME;
/* Window Covering Set 2byte command class structs */
typedef struct _ZW_WINDOW_COVERING_SET_2BYTE_FRAME_
                                    /* The command class */
   BYTE
           cmdClass;
                                    /* The command */
   BYTE
           cmd:
                                    /* masked byte */
           properties1;
   VG_WINDOW_COVERING_SET_VG_variantgroup1;
VG_WINDOW_COVERING_SET_VG_variantgroup2;
BYTE duration;
                                                  /**/
} ZW_WINDOW_COVERING_SET_2BYTE_FRAME;
typedef struct _ZW_WINDOW_COVERING_SET_3BYTE_FRAME_
   BYTE
           cmdClass;
                                     /* The command class */
                                    /* The command */
          cmd;
                                    /* masked byte */
           properties1;
   WG_WINDOW_COVERING_SET_VG variantgroup1;
VG_WINDOW_COVERING_SET_VG variantgroup2;
VG_WINDOW_COVERING_SET_VG variantgroup3;
BYTE duration;
                                       /**/
} ZW_WINDOW_COVERING_SET_3BYTE_FRAME;
/* Window Covering Set 4byte command class structs */
typedef struct _ZW_WINDOW_COVERING_SET_4BYTE_FRAME_
```

```
{
   BYTE
            cmdClass;
                                       /* The command class */
            cmd;
   BYTE
                                       /* The command */
                                       /* masked byte */
   BYTE
            properties1;
   VG_WINDOW_COVERING_SET_VG variantgroup1;
VG_WINDOW_COVERING_SET_VG variantgroup2;
VG_WINDOW_COVERING_SET_VG variantgroup3;
                                                     /**/
                                                      /**/
   VG_WINDOW_COVERING_SET_VG variantgroup4;
BYTE duration;
} ZW_WINDOW_COVERING_SET_4BYTE_FRAME;
/* Window Covering Start Level Change command class structs */
typedef struct _ZW_WINDOW_COVERING_START_LEVEL_CHANGE_FRAME_
   BYTE
           cmdClass;
                                       /* The command class */
          cmd;
properties1;
   BYTE
                                       /* The command */
                                       /* masked byte */
   BYTE
          parameterId;
   BYTE
   BYTE
            duration;
} ZW_WINDOW_COVERING_START_LEVEL_CHANGE_FRAME;
/st Window Covering Stop Level Change command class structs st/
typedef struct _ZW_WINDOW_COVERING_STOP_LEVEL_CHANGE_FRAME_
           cmdClass;
                                       /* The command class */
        cmd;
parameterId;
                                       /* The command */
   BYTE
} ZW_WINDOW_COVERING_STOP_LEVEL_CHANGE_FRAME;
typedef struct _ZW_SECURITY_2_NONCE_GET_FRAME_
                                       /* The command class */
   BYTE
            cmdClass:
                                       /* The command */
   BYTE
           cmd;
            sequenceNumber;
} ZW_SECURITY_2_NONCE_GET_FRAME;
typedef struct _ZW_SECURITY_2_NONCE_REPORT_FRAME_
   BYTE
            cmdClass;
                                       /* The command class */
                                       ^{\prime} /* The command */
   RYTE
           cmd;
                                       /**/
            sequenceNumber;
   BYTE
           properties1;
                                       /* masked byte */
   BYTE
            receiversEntropyInput1;
                                       /* MSB */
           receiversEntropyInput2;
   BYTE
          receiversEntropyInput3;
   BYTE
   BYTE
           receiversEntropyInput4;
           receiversEntropyInput5;
   BYTE
           receiversEntropyInput6;
   BYTE
   BYTE
           receiversEntropyInput7;
   BYTE
            receiversEntropyInput8;
   BYTE
            receiversEntropyInput9;
           receiversEntropyInput10;
   BYTE
   BYTE
            receiversEntropyInput11;
            receiversEntropyInput12;
   BYTE
           receiversEntropyInput13;
   BYTE
            receiversEntropyInput14;
   BYTE
            receiversEntropyInput15;
                                       /* LSB */
   BYTE
            receiversEntropyInput16;
} ZW_SECURITY_2_NONCE_REPORT_FRAME;
/* Security 2 Message Encapsulation variant group structs */
typedef struct _VG_SECURITY_2_MESSAGE_ENCAPSULATION_1BYTE_VG_
            extensionLength;
           properties1;
                                       /* masked byte */
            extension1;
} VG_SECURITY_2_MESSAGE_ENCAPSULATION_1BYTE_VG;
```

```
typedef struct _VG_SECURITY_2_MESSAGE_ENCAPSULATION_2BYTE_VG_
              extensionLength;
           properties1;
extension1;
extension2;
                                               /* masked byte */
    BYTE
                                               /* MSB */
                                                /* LSB */
} VG_SECURITY_2_MESSAGE_ENCAPSULATION_2BYTE_VG;
/* Security 2 Message Encapsulation variant group structs */
typedef struct _VG_SECURITY_2_MESSAGE_ENCAPSULATION_3BYTE_VG_
    BYTE
              extensionLength;
         properties1;
extension1;
extension2;
extension3;
                                               /* masked byte */
    BYTE
    BYTE
                                               /* MSB */
    BYTE
                                               /* LSB */
    BYTE
} VG_SECURITY_2_MESSAGE_ENCAPSULATION_3BYTE_VG;
typedef struct _VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG_
    BYTE
              extensionLength;
           extensionLenger properties1; extension1; extension2; extension3; extension4;
                                               /* masked byte */
    BYTE
                                               /* MSB */
    BYTE
    BYTE
    BYTE
                                               /* LSB */
    BYTE
              extension4;
} VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG;
typedef struct _ZW_SECURITY_2_MESSAGE_ENCAPSULATION_1BYTE_FRAME_
           cmdClass;
                                               /* The command class */
         cmd;
sequenceNumber;
                                               /* The command */
                                              /* /**/
/* masked byte */
    BYTE
    BYTE
              properties1;
    VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG_variantgroup1;
BYTE ccmCiphertextObject1;
                                                                                     /**/
} ZW SECURITY 2 MESSAGE ENCAPSULATION 1BYTE FRAME;
typedef struct _ZW_SECURITY_2_MESSAGE_ENCAPSULATION_2BYTE_FRAME
           cmdClass;
cmd;
sequenceNumber;
properties1.
                                               /* The command class */
    BYTE
                                               /* The command */
    BYTE
                                               /**/
    BYTE
    BYTE sequenceAudition:

BYTE properties1; /* masked byte */

VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG variantgroup1;

VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG variantgroup2;

BYTE ccmCiphertextObject1; /* MSB */

BYTE ccmCiphertextObject2; /* LSB */

CROWDERW 2 MESSAGE_ENCAPSULATION_2BYTE_FRAME;
} ZW_SECURITY_2_MESSAGE_ENCAPSULATION_2BYTE_FRAME;
^{\prime\prime} Security 2 Message Encapsulation 3byte command class structs ^{*\prime}
typedef struct _ZW_SECURITY_2_MESSAGE_ENCAPSULATION_3BYTE_FRAME_
    BYTE
              cmdClass;
                                               /* The command class */
            cmd;
sequenceNumber;
                                               /* The command */
                                               /**/
                                               /* masked byte */
              properties1;
    BYTE properties;

VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG_variantgroup1;

VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG_variantgroup2;

VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG_variantgroup3;

BYTE ccmCiphertextObject1; /* MSB */
            ccmCiphertextObject2;
                                              /* LSB */
              ccmCiphertextObject3;
} ZW_SECURITY_2_MESSAGE_ENCAPSULATION_3BYTE_FRAME;
```

```
/* Security 2 Message Encapsulation 4byte command class structs */
typedef struct _ZW_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_FRAME_
                                                                            /* The command class */
      BYTE
                       cmdClass;
                                                                            /* The command */
      BYTE
                      cmd;
                                                                           /**/
                    sequenceNumber;
                       properties1;
                                                                            /* masked byte */
      BYTE properties:; / masked byte / masked byt
                   ccmCiphertextObject1;
ccmCiphertextObject2;
                                                                           /* MSB */
      BYTE
                     ccmCiphertextObject3;
      BYTE
                                                                      /* LSB */
BYTE ccmCiphertextObject4; /* LSB 
} ZW_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_FRAME;
/************************
typedef struct _ZW_KEX_GET_FRAME_
                  cmdClass;
                                                                           /* The command class */
                                                                           /* The command */
} ZW_KEX_GET_FRAME;
    typedef struct _ZW_KEX_REPORT_FRAME_
                                                                           /* The command class */
      BYTE
                      cmdClass;
                                                                           /* The command */
      BYTE
                      cmd;
                 cma,
properties1;
supportedKexSchemes;
supportedEcdhProfiles;
requestedKeys;
                                                                           /* masked byte */
      BYTE
                                                                           /**/
      BYTE
                                                                            /**/
      BYTE
} ZW_KEX_REPORT_FRAME;
typedef struct _ZW_KEX_SET_FRAME_
                      cmdClass;
                                                                            /* The command class */
                                                                           /* The command */
/* masked byte */
/**/
                      cmd;
                    properties1;
      BYTE
                      selectedKexScheme;
      BYTE
                                                                           /**/
                   selectedEcdhProfile;
      BYTE
      BYTE
                       grantedKeys;
} ZW_KEX_SET_FRAME;
/* Kex Fail command class structs */
typedef struct _ZW_KEX_FAIL_FRAME_
                                                                           /* The command class */
/* The command */
/**/
                      cmdClass;
      BYTE
      BYTE
                      kexFailType;
} ZW_KEX_FAIL_FRAME;
typedef struct _ZW_PUBLIC_KEY_REPORT_1BYTE_FRAME_
      BYTE
                      cmdClass;
                                                                           /* The command class */
                cmd;
properties1;
                                                                           /* The command */
                                                                           /* masked byte */
                       ecdhPublicKey1;
} ZW_PUBLIC_KEY_REPORT_1BYTE_FRAME;
typedef struct _ZW_PUBLIC_KEY_REPORT_2BYTE_FRAME_
      BYTE
                      cmdClass;
                                                                            /* The command class */
                                                                            /* The command */
      BYTE
                      cmd;
```

```
properties1;
ecdhPublicKey1;
ecdhPublicKey2;
                                      /* masked byte */
   BYTE
   BYTE
                                      /* LSB */
} ZW_PUBLIC_KEY_REPORT_2BYTE_FRAME;
/* Public Key Report 3byte command class structs */
typedef struct _ZW_PUBLIC_KEY_REPORT_3BYTE_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
         properties1;
ecdhPublicKey1;
ecdhPublicKey2;
                                      /* masked byte */
                                      /* MSB */
   BYTE
   BYTE
BYTE ecdhPublicKey3;
} ZW_PUBLIC_KEY_REPORT_3BYTE_FRAME;
                                      /* LSB */
/* Public Key Report 4byte command class structs */
typedef struct _ZW_PUBLIC_KEY_REPORT_4BYTE_FRAME_
   BYTE
                                      /* The command class */
           cmdClass;
   BYTE
           cmd;
                                      /* The command */
   BYTE
          properties1;
                                      /* masked byte */
         ecdhPublicKey1;
ecdhPublicKey2;
ecdhPublicKey3;
ecdhPublicKey4;
                                      /* MSB */
   BYTE
   BYTE
                                     /* LSB */
} ZW_PUBLIC_KEY_REPORT_4BYTE_FRAME;
/* Security 2 Network Key Get command class structs */
typedef struct _ZW_SECURITY_2_NETWORK_KEY_GET_FRAME_
                                      /\star The command class \star/
   BYTE
           cmdClass;
        ____cmd;
                                      /* The command */
   BYTE
           requestedKev;
   BYTE
} ZW_SECURITY_2_NETWORK_KEY_GET_FRAME;
typedef struct _ZW_SECURITY_2_NETWORK_KEY_REPORT_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
/**/
   BYTE
           cmd;
           grantedKey;
   RYTE
                                      /* MSB */
           networkKey1;
   BYTE
   BYTE
           networkKev2;
           networkKey3;
   BYTE
           networkKey4;
   BYTE
           networkKey5;
   BYTE
           networkKey6;
           networkKey7;
   BYTE
           networkKey8;
   BYTE
   BYTE
           networkKey9;
   BYTE
           networkKey10;
   BYTE
           networkKey11;
         networkKey11;
networkKey13;
networkKey14;
networkKey15;
   BYTE
   BYTE
   BYTE
   BYTE
            networkKey16;
                                      /* LSB */
} ZW_SECURITY_2_NETWORK_KEY_REPORT_FRAME;
/* Security 2 Network Key Verify command class structs */
typedef struct _ZW_SECURITY_2_NETWORK_KEY_VERIFY_FRAME_
         cmdClass;
cmd;
                                      /* The command class */
   BYTE
                                      /* The command */
   BYTE
} ZW_SECURITY_2_NETWORK_KEY_VERIFY_FRAME;
typedef struct _ZW_SECURITY_2_TRANSFER_END_FRAME_
```

```
{
          cmdClass;
   BYTE
                                           /\,^{\star} The command class ^{\star}/\,
                                           /* The command */
   BYTE
             cmd;
                                           /* masked byte */
             properties1;
   BYTE
} ZW_SECURITY_2_TRANSFER_END_FRAME;
^{\prime} /* Security 2 Commands Supported Get command class structs */
typedef struct _ZW_SECURITY_2_COMMANDS_SUPPORTED_GET_FRAME_
           cmdClass;
                                           /* The command class */
                                           /* The command */
             cmd;
} ZW_SECURITY_2_COMMANDS_SUPPORTED_GET_FRAME;
// Security 2 Commands Supported Report 1byte command class structs */
typedef struct _ZW_SECURITY_2_COMMANDS_SUPPORTED_REPORT_1BYTE_FRAME_
                                           /* The command class */
/* The command */
            cmdClass;
   BYTE
         cmd;
   BYTE
             commandClass1;
   BYTE
} ZW_SECURITY_2_COMMANDS_SUPPORTED_REPORT_1BYTE_FRAME;
/* Security 2 Commands Supported Report 2byte command class structs */
typedef struct _ZW_SECURITY_2_COMMANDS_SUPPORTED_REPORT_2BYTE_FRAME_
   BYTE
            cmdClass;
                                           /* The command class */
   BYTE cmd;
BYTE commandClass1;
BYTE
                                           /* The command */
                                           /* MSB */
                                           /* LSB */
} ZW_SECURITY_2_COMMANDS_SUPPORTED_REPORT_2BYTE_FRAME;
/* Security 2 Commands Supported Report 3byte command class structs */
typedef struct _ZW_SECURITY_2_COMMANDS_SUPPORTED_REPORT_3BYTE_FRAME_
                                           /* The command class */
/* The command */
             cmdClass;
         commandClass1;
commandClass2;
   BYTE
                                           /* MSB */
   BYTE
   BYTE
             commandClass3;
                                           /* LSB */
} ZW SECURITY 2 COMMANDS SUPPORTED REPORT 3BYTE FRAME;
// Security 2 Commands Supported Report 4byte command class structs */
typedef struct _ZW_SECURITY_2_COMMANDS_SUPPORTED_REPORT_4BYTE_FRAME
          cmdClass;
cmd;
comd;
commandClass1;
commandClass2;
commandClass3;
commandClass4;
                                           /* The command class */
   BYTE
                                           /* The command */
   BYTE
                                           /* MSB */
   BYTE
   BYTE
             commandClass4;
} ZW_SECURITY_2_COMMANDS_SUPPORTED_REPORT_4BYTE_FRAME;
/* Security 2 Capabilities Get command class structs */
typedef struct _ZW_SECURITY_2_CAPABILITIES_GET_FRAME_
         cmdClass;
                                           /* The command class */
/* The command */
   BYTE
   BYTE
             cmd:
} ZW_SECURITY_2_CAPABILITIES_GET_FRAME;
/* Security 2 Capabilities Report command class structs */
typedef struct _ZW_SECURITY_2_CAPABILITIES_REPORT_FRAME_
             cmdClass;
                                           /* The command class */
                                           /* The command */
            supportedSpans;
   BYTE
BYTE supportedMpans; } ZW_SECURITY_2_CAPABILITIES_REPORT_FRAME;
```

```
/\star Irrigation System Info Get command class structs \star/
typedef struct _ZW_IRRIGATION_SYSTEM_INFO_GET_FRAME_
         cmdClass;
cmd;
                                         /* The command class */
   BYTE
                                         /* The command */
   BYTE
} ZW_IRRIGATION_SYSTEM_INFO_GET_FRAME;
typedef struct _ZW_IRRIGATION_SYSTEM_INFO_REPORT_FRAME_
   BYTE
            cmdClass;
                                         /* The command class */
        cmd;
properties1;
totalNumberOfValves;
totalNumberOfValveTables;
properties2:
                                         /* The command */
   BYTE
                                         /* masked byte */
   BYTE
                                         /**/
                                         /**/
            properties2;
   BYTE
                                         /* masked byte */
} ZW_IRRIGATION_SYSTEM_INFO_REPORT_FRAME;
/* Irrigation System Status Get command class structs */
typedef struct _ZW_IRRIGATION_SYSTEM_STATUS_GET_FRAME_
           cmdClass;
                                         /* The command class */
   BYTE
                                         /* The command */
             cmd;
} ZW_IRRIGATION_SYSTEM_STATUS_GET_FRAME;
typedef struct _ZW_IRRIGATION_SYSTEM_STATUS_REPORT_1BYTE_FRAME_
          cmdClass;
cmd;
systemVoltage;
sensorStatus;
                                         /* The command class */
   BYTE
                                         /* The command */
   BYTE
                                         /
/**/
   BYTE
                                         /**/
   BYTE
   BYTE sensorStatus;
BYTE properties1;
BYTE flowValue1;
BYTE properties2;
BYTE pressureValue1;
BYTE shutoffDuration;
BYTE systemErrorStatus;
BYTE properties3;
BYTE valveId;
                                         /* masked byte */
                                         /* masked byte */
                                         /**/
                                         /**/
                                          /* masked byte */
                                          /**/
} ZW_IRRIGATION_SYSTEM_STATUS_REPORT_1BYTE_FRAME;
typedef struct _ZW_IRRIGATION_SYSTEM_STATUS_REPORT_2BYTE_FRAME_
                                         /* The command class */
            cmdClass;
   BYTE
           cmd;
systemVoltage;
                                         /* The command */
   BYTE
         sensorStatus;
properties1;
flowValue1;
flowValue2;
properties2;
pressureValue1;
pressureValue2;
shutoffDuration;
systemErrorStatus;
properties3;
valveId;
            sensorStatus;
                                         /**/
                                         /* masked byte */
/* MSB */
/* LSB */
   BYTE
   BYTE
   BYTE
                                         /* masked byte */
   BYTE
                                         /* MSB */
   BYTE
                                         /* LSB */
   BYTE
                                         /**/
/**/
   BYTE
   BYTE
                                          /* masked byte */
   BYTE
   BYTE
            valveId;
} ZW_IRRIGATION_SYSTEM_STATUS_REPORT_2BYTE_FRAME;
typedef struct _ZW_IRRIGATION_SYSTEM_STATUS_REPORT_3BYTE_FRAME_
           cmdClass;
   BYTE
                                          /* The command class */
           cmd;
systemVoltage;
sensorStatus;
   BYTE
                                          /* The command */
                                         /**/
/**/
   BYTE
   BYTE
           properties1;
                                          /* masked byte */
```

```
flowValue1;
                                      /* MSB */
           flowValue2;
   BYTE
          flowValue3;
                                      /* LSB */
   BYTE
                                      /* masked byte */
          properties2;
   BYTE
          pressureValue1;
pressureValue2;
pressureValue3;
shutoffDuration;
systemErrorStatus;
                                      /* MSB */
   BYTE
   BYTE
                                      /* LSB */
   BYTE
                                      /**/
/**/
   BYTE
   BYTE
         properties3;
                                      /* masked byte */
   RYTE
   BYTE
           valveId;
} ZW_IRRIGATION_SYSTEM_STATUS_REPORT_3BYTE_FRAME;
typedef struct _ZW_IRRIGATION_SYSTEM_STATUS_REPORT_4BYTE_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
/**/
   BYTE
           cmd;
          systemVoltage;
   BYTE
                                      /**/
           sensorStatus;
   BYTE
          properties1;
flowValue1;
                                      /* masked byte */
   BYTE
   BYTE
           flowValue2;
          flowValue3;
flowValue4;
   BYTE
                                      /* LSB */
   BYTE
          properties2;
pressureValue1;
pressureValue2;
pressureValue3;
pressureValue4;
shutoffDuration;
                                      /* masked byte */
   BYTE
                                      /* MSB */
   BYTE
   BYTE
   BYTE
                                      /* LSB */
   BYTE
                                      /**/
   BYTE
   BYTE
           systemErrorStatus;
         properties3;
                                      /* masked byte */
   BYTE
            valveId;
} ZW_IRRIGATION_SYSTEM_STATUS_REPORT_4BYTE_FRAME;
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_SET_1BYTE_FRAME_
                                      /* The command class */
          cmdClass;
   BYTE
                                      /* The command */
   BYTE
           cmd;
           masterValveDelay;
   RYTE
                                      /* masked byte */
   BYTE
           properties1;
           highPressureThresholdValue1;
   BYTE
         properties2;
lowPressureThresholdValue1;
                                      /* masked byte */
   BYTE
   BYTE
           sensorPolarity;
   BYTE
} ZW_IRRIGATION_SYSTEM_CONFIG_SET_1BYTE_FRAME;
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_SET_2BYTE_FRAME_
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
   BYTE
           masterValveDelay;
                                      /* masked byte */
   BYTE
           properties1;
           highPressureThresholdValue1; /* MSB */
   BYTE
           highPressureThresholdValue2; /* LSB */
   BYTE
          properties2;
                                      /* masked byte */
                                     /* MSB */
   BYTE
            lowPressureThresholdValue1;
                                     /^ FISE ,
/* LSB */
/**/
         lowPressureThresholdValue2;
   BYTE
   BYTE
            sensorPolarity:
} ZW_IRRIGATION_SYSTEM_CONFIG_SET_2BYTE_FRAME;
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_SET_3BYTE_FRAME_
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
   BYTE
           masterValveDelay;
           properties1;
                                      /* masked byte */
   RYTE
           highPressureThresholdValue1; /* MSB */
   BYTE
           highPressureThresholdValue2;
```

```
highPressureThresholdValue3; /* LSB */
                                  /* masked byte */
          properties2;
   BYTE
                                  /* MSB */
   BYTE
          lowPressureThresholdValue1;
          lowPressureThresholdValue2;
   BYTE
                                  /* LSB */
          lowPressureThresholdValue3;
   BYTE
          sensorPolarity;
  BYTE
} ZW IRRIGATION SYSTEM CONFIG SET 3BYTE FRAME;
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_SET_4BYTE_FRAME_
   BYTE
          cmdClass;
                                  /* The command class */
                                  /* The command */
  BYTE
          cmd;
          masterValveDelay;
   BYTE
                                  /* masked byte */
   BYTE
          properties1;
   BYTE
          highPressureThresholdValue1;
                                  /* MSB */
   BYTE
          highPressureThresholdValue2;
   BYTE
          highPressureThresholdValue3;
          highPressureThresholdValue4; /* LSB */
   BYTE
                                  /* masked byte */
   BYTE
          properties2;
          lowPressureThresholdValue1;
                                  /* MSB */
   BYTE
         lowPressureThresholdValue2;
   BYTE
          lowPressureThresholdValue3;
         lowPressureThresholdValue4;
   BYTE
                                  /* LSB */
  BYTE
           sensorPolarity;
} ZW_IRRIGATION_SYSTEM_CONFIG_SET_4BYTE_FRAME;
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_GET_FRAME_
          cmdClass;
                                  /* The command class */
                                  /* The command */
} ZW_IRRIGATION_SYSTEM_CONFIG_GET_FRAME;
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_1BYTE_FRAME_
                                  /* The command class */
  BYTE
          cmdClass;
                                  /* The command */
   BYTE
          cmd;
          masterValveDelay;
   RYTE
                                  /* masked byte */
   BYTE
          properties1;
          highPressureThresholdValue1;
   BYTE
          properties2;
lowPressureThresholdValue1;
                                  /* masked byte */
   BYTE
   BYTE
          sensorPolarity;
  BYTE
} ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_1BYTE_FRAME;
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_2BYTE_FRAME
          cmdClass;
                                  /* The command class */
                                  /* The command */
/**/
   BYTE
   BYTE
          masterValveDelay;
                                  /* masked byte */
          properties1;
   BYTE
          highPressureThresholdValue1; /* MSB */
  BYTE
          highPressureThresholdValue2; /* LSB */
   BYTE
          properties2;
                                  /* masked byte */
                                  /* MSB */
   BYTE
           lowPressureThresholdValue1;
                                 /* LSB */
         lowPressureThresholdValue2;
   BYTE
  BYTE
          sensorPolarity:
} ZW IRRIGATION SYSTEM CONFIG REPORT 2BYTE FRAME;
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_3BYTE_FRAME_
          cmdClass;
                                  /* The command class */
                                  /* The command */
   BYTE
   BYTE
          masterValveDelay;
          properties1;
                                  /* masked byte */
   RYTE
          highPressureThresholdValue1;
                                  /* MSB */
   BYTE
          highPressureThresholdValue2;
```

```
highPressureThresholdValue3; /* LSB */
                                    /* masked byte */
          properties2;
   BYTE
                                   /* MSB */
   BYTE
           lowPressureThresholdValue1;
          lowPressureThresholdValue2;
   BYTE
                                  /* LSB */
   BYTE
          lowPressureThresholdValue3;
                                    /**/
           sensorPolarity;
   BYTE
} ZW IRRIGATION_SYSTEM_CONFIG_REPORT_3BYTE_FRAME;
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_4BYTE_FRAME
          cmdClass;
                                   /* The command class */
                                   /* The command */
/**/
   BYTE
          cmd;
          masterValveDelay;
   BYTE
   BYTE
          properties1;
                                   /* masked byte */
   BYTE
           highPressureThresholdValue1;
                                   /* MSB */
   BYTE
          highPressureThresholdValue2;
   BYTE
          highPressureThresholdValue3;
         highPressureThresholdValue4; /* LSB */
   BYTE
          properties2;
                                   /* masked byte */
   BYTE
           lowPressureThresholdValue1;
                                   /* MSB */
   BYTE
         lowPressureThresholdValue2;
   BYTE
          lowPressureThresholdValue3;
   BYTE
        lowPressureThresholdValue4;
                                   /* LSB */
BYTE sensorPolarity; /**/
} ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_4BYTE_FRAME;
/* Irrigation Valve Info Get command class structs */
typedef struct _ZW_IRRIGATION_VALVE_INFO_GET_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
                                   /* The command */
          cmd;
         properties1;
                                   /* masked byte */
   BYTE
           valveId;
   BYTE
} ZW_IRRIGATION_VALVE_INFO_GET_FRAME;
^{\prime} /* Irrigation Valve Info Report command class structs */
typedef struct _ZW_IRRIGATION_VALVE_INFO_REPORT_FRAME_
          cmdClass;
                                    /* The command class */
                                   /* The command */
          cmd;
                                    /* masked byte */
   BYTE
         properties1;
   BYTE
           valveId;
         nominalCurrent;
                                   /**/
   BYTE
          valveErrorStatus;
   BYTE
} ZW_IRRIGATION_VALVE_INFO_REPORT_FRAME;
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_SET_1BYTE_FRAME_
          cmdClass;
                                   /* The command class */
   BYTE
                                    /* The command */
                                    /* masked byte */
   BYTE
          properties1;
   BYTE
          valveId;
                                   /**/
          nominalCurrentHighThreshold;
   BYTE
                                   /**/
          nominalCurrentLowThreshold;
   BYTE
          properties2;
                                   /* masked byte */
   BYTE
          maximumFlowValue1;
         properties3;
flowHighThresholdValue1;
   BYTE
                                   /* masked byte */
   BYTE
   BYTE
          properties4;
                                   /* masked byte */
         flowLowThresholdValue1;
           sensorUsage;
} ZW_IRRIGATION_VALVE_CONFIG_SET_1BYTE_FRAME;
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_SET_2BYTE_FRAME_
          cmdClass;
                                   /* The command class */
   BYTE
                                   /* The command */
   BYTE
          cmd;
                                   /* masked byte */
          properties1;
```

```
valveId;
               nominalCurrentHighThreshold;
                                                 /**/
                                                 /**/
/* masked byte */
    BYTE
               nominalCurrentLowThreshold;
             properties2;
maximumFlowValue1;
    BYTE
                                                 /* MSB */
    BYTE
             maximumFlowValue1;
maximumFlowValue2;
properties3;
flowHighThresholdValue1;
flowHighThresholdValue2;
    BYTE
                                                 /* LSB */
                                                 /* masked byte */
                                                 /* MSB */
/* LSB */
    BYTE
             properties4;
flowLowThresholdValue1;
flowLowThresholdValue2;
sensorUsear:
                                                 /* masked byte */
    RYTE
                                                 /* MSB */
    BYTE
                                                 /* LSB */
    BYTE
               sensorUsage;
} ZW_IRRIGATION_VALVE_CONFIG_SET_2BYTE_FRAME;
   typedef struct _ZW_IRRIGATION_VALVE_CONFIG_SET_3BYTE_FRAME_
                                                  /* The command class */
/* The command */
              cmdClass;
    BYTE
    BYTE
              cmd;
             properties1;
                                                  /* masked byte */
    BYTE
               valveId;
                                                  /**/
               nominalCurrentHighThreshold;
                                                 /**/
    BYTE
              nominalCurrentLowThreshold;
                                                 /**/
            nominalCurrentLowThreshold;
properties2;
maximumFlowValue1;
maximumFlowValue2;
maximumFlowValue3;
properties3;
flowHighThresholdValue1;
flowHighThresholdValue2;
flowHighThresholdValue3;
properties4:
                                                  /* masked byte */
    BYTE
                                                 /* MSB */
    BYTE
    BYTE
                                                 /* LSB */
/* masked byte */
/* MSB */
    BYTE
    BYTE
    BYTE
    BYTE
                                                /* LSB */
    BYTE
           properties4;
flowLowThresholdValue1;
flowLowThresholdValue2;
flowLowThresholdValue3;
sensorUargo:
                                                 /* masked byte */
    BYTE
                                                 /* MSB */
    BYTE
    BYTE
                                                 /* LSB */
    BYTE
    BYTE
               sensorUsage;
} ZW_IRRIGATION_VALVE_CONFIG_SET_3BYTE_FRAME;
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_SET_4BYTE_FRAME_
                                                  /* The command class */
    BYTE
              cmdClass;
                                                  /* The command */
                                                  /* masked byte */
    BYTE
              properties1;
                                                  /**/
    BYTE
               valveId;
    BYTE
              nominalCurrentHighThreshold;
            nominalCurrentHighThreshold;
nominalCurrentLowThreshold;
properties2;
maximumFlowValue1;
maximumFlowValue2;
maximumFlowValue3;
maximumFlowValue4;
properties2.
    BYTE
                                                 /* masked byte */
    BYTE
                                                 /* MSB */
    BYTE
    BYTE
                                                 /* LSB */
    BYTE
              properties3;
flowHighThresholdValue1;
flowHighThresholdValue2;
                                                 /* masked byte */
    BYTE
    BYTE
                                                 /* MSB */
    BYTE
              flowHighThresholdValue3;
flowHighThresholdValue4;
    BYTE
                                                 /* LSB */
    BYTE
             properties4;
flowLowThresholdValue1;
flowLowThresholdValue2;
                                                 /* masked byte */
    BYTE
                                                 /* MSB */
    BYTE
    BYTE
    BYTE
               flowLowThresholdValue3;
              flowLowThresholdValue4;
                                                 /* LSB */
    BYTE
    BYTE
               sensorUsage:
} ZW_IRRIGATION_VALVE_CONFIG SET 4BYTE FRAME;
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_GET_FRAME_
              cmdClass;
                                                  /* The command class */
                                                  /* The command */
    BYTE
             properties1;
                                                  /* masked byte */
    BYTE
    BYTE
               valveId;
} ZW_IRRIGATION_VALVE_CONFIG_GET_FRAME;
```

```
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_REPORT_1BYTE_FRAME_
            BYTE
                                                /* The command class */
                                                 /* The command */
    BYTE
                                                 /* masked byte */
    BYTE
    BYTE
    BYTE
                                                /* masked byte */
    BYTE
    BYTE
                                               /* masked byte */
    BYTE
           properties4;
flowLowThresholdValue1;
sensorUsage:
                                                /* masked byte */
    BYTE
    BYTE
               sensorUsage;
} ZW_IRRIGATION_VALVE_CONFIG_REPORT_1BYTE_FRAME;
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_REPORT_2BYTE_FRAME_
    BYTE
              cmdClass;
                                                /* The command class */
                                                /* The command */
    BYTE
              cmd;
                                                /* masked byte */
             properties1;
    BYTE
         valveId;
nominalCurrentHighThreshold;
nominalCurrentLowThreshold;
properties2;
maximumFlowValue1;
maximumFlowValue2;
properties3;
flowHighThresholdValue1;
flowHighThresholdValue2;
properties4;
flowLowThresholdValue1;
flowLowThresholdValue2;
sensorUsage;
    BYTE
              valveId;
                                               /**/
    BYTE
    BYTE
                                                /**/
                                                /* masked byte */
    BYTE
                                               /* MSB */
/* LSB */
    BYTE
                                              /* LSB */
/* masked byte */
/* MSB */
/* LSB */
/* masked byte */
/* MSB */
/* TOP ''
    BYTE
    BYTE
    BYTE
    BYTE
    BYTE
    BYTE
                                               /* LSB */
    BYTE
               sensorUsage;
} ZW_IRRIGATION_VALVE_CONFIG_REPORT_2BYTE_FRAME;
   typedef struct _ZW_IRRIGATION_VALVE_CONFIG_REPORT_3BYTE FRAME
    BYTE
              cmdClass;
                                                /* The command class */
                                                /* The command */
    BYTE
              cmd;
                                                /* masked byte */
    BYTE
              properties1;
    BYTE
              valveId;
            nominalCurrentHighThreshold;
nominalCurrentLowThreshold;
properties2;
maximumFlowValue1;
maximumFlowValue2;
maximumFlowValue3;
properties3;
flowHighThresholdValue1;
flowHighThresholdValue2;
flowHighThresholdValue3;
properties4;
flowLowThresholdValue1;
flowLowThresholdValue2;
flowLowThresholdValue2;
sensorUsage;
             nominalCurrentHighThreshold;
                                               /**/
    BYTE
                                                /**/
                                                /* masked byte */
    BYTE
                                                /* MSB */
    BYTE
    BYTE
                                               /* LSB */
    BYTE
    BYTE
                                                /* masked byte */
    BYTE
                                              /* MSB */
    BYTE
                                               /* LSB */
/* masked byte */
    BYTE
    BYTE
                                               /* MSB */
    BYTE
    BYTE
    BYTE
                                                /* LSB */
                                                 /**/
    BYTE
               sensorUsage;
} ZW_IRRIGATION_VALVE_CONFIG_REPORT_3BYTE_FRAME;
^{\prime\star} Irrigation Valve Config Report 4byte command class structs ^{\star\prime}
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_REPORT_4BYTE_FRAME_
    BYTE
             cmdClass;
                                                /* The command class */
                                                 /* The command */
    BYTE
              cmd;
             properties1;
                                                 /* masked byte */
    BYTE
                                                 /**/
    BYTE
               valveId;
              nominalCurrentHighThreshold; /**/
    BYTE
              nominalCurrentLowThreshold;
    BYTE
              properties2;
                                                /* masked byte */
```

```
maximumFlowValue1;
                                     /* MSB */
           maximumFlowValue2;
   BYTE
           maximumFlowValue3;
                                     /* LSB */
   BYTE
           maximumFlowValue4;
                                     /* masked byte */
           properties3;
   BYTE
           flowHighThresholdValue1;
                                     /* MSB */
   BYTE
           flowHighThresholdValue2;
           flowHighThresholdValue3;
   BYTE
           flowHighThresholdValue4;
                                     /* LSB */
           properties4;
                                     /* masked byte */
   BYTE
           flowLowThresholdValue1;
                                     /* MSB */
   BYTE
           flowLowThresholdValue2;
   BYTE
         flowLowThresholdValue3;
flowLowThresholdValue4;
   BYTE
                                     /* LSB */
   BYTE
           sensorUsage;
} ZW_IRRIGATION_VALVE_CONFIG_REPORT_4BYTE_FRAME;
/* Irrigation Valve Run command class structs */
/********************
typedef struct _ZW_IRRIGATION_VALVE_RUN_FRAME_
   BYTE
           cmdClass;
                                     /* The command class */
          cmd;
                                     /* The command */
          properties1;
   BYTE
                                     /* masked byte */
                                     /**/
   BYTE
           valveId;
          duration1;
                                     /* MSB */
   BYTE
                                     /* LSB */
   BYTE
           duration2:
} ZW_IRRIGATION_VALVE_RUN_FRAME;
typedef struct _VG_IRRIGATION_VALVE_TABLE_SET_VG_
   BYTE
           valveId;
        duration1;
   BYTE
                                     /* MSB */
   BYTE
           duration2;
} VG_IRRIGATION_VALVE_TABLE_SET_VG;
typedef struct _ZW_IRRIGATION_VALVE_TABLE_SET_1BYTE_FRAME_
           cmdClass;
                                     /* The command class */
          cmd;
valveTableId;
                                     /* The command */
                                     /**/
   VG_IRRIGATION_VALVE_TABLE_SET_VG variantgroup1;
                                                         /**/
} ZW_IRRIGATION_VALVE_TABLE_SET_1BYTE_FRAME;
typedef struct _ZW_IRRIGATION_VALVE_TABLE_SET_2BYTE_FRAME_
                                     /* The command class */
   BYTE
           cmdClass:
         cmd;
valveTableId;
                                     /* The command */
   BYTE
VG_IRRIGATION_VALVE_TABLE_SET_VG_variantgroup1;
VG_IRRIGATION_VALVE_TABLE_SET_VG_variantgroup2;
} ZW_IRRIGATION_VALVE_TABLE_SET_2BYTE_FRAME;
typedef struct _ZW_IRRIGATION_VALVE_TABLE_SET_3BYTE_FRAME_
   BYTE
           cmdClass;
                                     /* The command class */
                                     /* The command */
           cmd;
           valveTableId;
   VG_IRRIGATION_VALVE_TABLE_SET_VG variantgroup1;
VG_IRRIGATION_VALVE_TABLE_SET_VG variantgroup2;
VG_IRRIGATION_VALVE_TABLE_SET_VG variantgroup3;
} ZW_IRRIGATION_VALVE_TABLE_SET_3BYTE_FRAME;
/* Irrigation Valve Table Set 4byte command class structs */
typedef struct _ZW_IRRIGATION_VALVE_TABLE_SET_4BYTE_FRAME
```

```
cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
            cmd;
   BYTE
            valveTableId;
   VG_IRRIGATION_VALVE_TABLE_SET_VG variantgroup1;
VG_IRRIGATION_VALVE_TABLE_SET_VG variantgroup2;
VG_IRRIGATION_VALVE_TABLE_SET_VG variantgroup3;
VG_IRRIGATION_VALVE_TABLE_SET_VG variantgroup4;
} ZW_IRRIGATION_VALVE_TABLE_SET_4BYTE_FRAME;
typedef struct _ZW_IRRIGATION_VALVE_TABLE_GET_FRAME_
                                        /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
          cmd;
valveTableId;
   BYTE
   BYTE
} ZW_IRRIGATION_VALVE_TABLE_GET_FRAME;
typedef struct _VG_IRRIGATION_VALVE_TABLE_REPORT_VG_
          duration1;
                                        /* MSB */
   BYTE
                                        /* LSB */
   BYTE
            duration2;
} VG_IRRIGATION_VALVE_TABLE_REPORT_VG;
typedef struct _ZW_IRRIGATION_VALVE_TABLE_REPORT_1BYTE_FRAME_
            cmdClass;
                                        /* The command class */
   BYTE
                                        /* The command */
   BYTE
            cmd;
            valveTableId;
   VG_IRRIGATION_VALVE_TABLE_REPORT_VG variantgroup1;
                                                                 /**/
} ZW_IRRIGATION_VALVE_TABLE_REPORT_1BYTE_FRAME;
typedef struct _ZW_IRRIGATION_VALVE_TABLE_REPORT_2BYTE_FRAME_
            cmdClass;
                                        /* The command class */
                                        /* The command */
   BYTE
           cmd;
           valveTableId;
                                        /**/
   VG_IRRIGATION_VALVE_TABLE_REPORT_VG variantgroup1;
VG_IRRIGATION_VALVE_TABLE_REPORT_VG variantgroup2;
} ZW_IRRIGATION_VALVE_TABLE_REPORT_2BYTE_FRAME;
/* Irrigation Valve Table Report 3byte command class structs */
typedef struct _ZW_IRRIGATION_VALVE_TABLE_REPORT_3BYTE_FRAME_
                                        /* The command class */
   BYTE
            cmdClass;
                                        /* The command */
           cmd;
            valveTableId;
                                        /**/
   VG_IRRIGATION_VALVE_TABLE_REPORT_VG_variantgroup1;
VG_IRRIGATION_VALVE_TABLE_REPORT_VG_variantgroup2;
VG_IRRIGATION_VALVE_TABLE_REPORT_VG_variantgroup3;
} ZW_IRRIGATION_VALVE_TABLE_REPORT_3BYTE_FRAME;
typedef struct _ZW_IRRIGATION_VALVE_TABLE_REPORT_4BYTE_FRAME_
                                        /\,^{\star} The command class ^{\star}/\,
            cmdClass;
                                        /* The command */
           cmd;
   BYTE
   BYTE valveTableId; /**/
VG IRRIGATION_VALVE TABLE REPORT_VG variantgroup1;
VG_IRRIGATION_VALVE_TABLE_REPORT_VG variantgroup2;
VG_IRRIGATION_VALVE_TABLE_REPORT_VG variantgroup3;
VG_IRRIGATION_VALVE_TABLE_REPORT_VG variantgroup4;
} ZW_IRRIGATION_VALVE_TABLE_REPORT_4BYTE_FRAME;
/* Irrigation Valve Table Run 1byte command class structs */
```

```
typedef struct _ZW_IRRIGATION_VALVE_TABLE_RUN_1BYTE_FRAME_
                                  /* The command class */
   BYTE
          cmdClass;
                                  /* The command */
   BYTE
       cmd;
valveTableId1;
   BYTE
} ZW_IRRIGATION_VALVE_TABLE_RUN_1BYTE_FRAME;
typedef struct _ZW_IRRIGATION_VALVE_TABLE_RUN_2BYTE_FRAME_
   BYTE
         cmdClass;
                                   /\star The command class \star/
                                   /* The command */
   BYTE
          cmd;
   BYTE valveTableId1;
BYTE valveTableId2;
                                   /* MSB */
                                   /* LSB */
} ZW_IRRIGATION_VALVE_TABLE_RUN_2BYTE_FRAME;
typedef struct _ZW_IRRIGATION_VALVE_TABLE_RUN_3BYTE_FRAME
                                  /* The command class */
/* The command */
          cmdClass;
   BYTE
         cmd;
                                  /* MSB */
        valveTableId1;
valveTableId2;
valveTableId3;
   BYTE
   BYTE
                                   /* LSB */
} ZW_IRRIGATION_VALVE_TABLE_RUN_3BYTE_FRAME;
typedef struct _ZW_IRRIGATION_VALVE_TABLE_RUN_4BYTE_FRAME
                                  /* The command class */
   BYTE
         cmdClass;
                                   /* The command */
         cmd;
valveTableId1;
   BYTE
                                  /* MSB */
   BYTE
        valveTableId2;
valveTableId3;
valveTableId4;
   BYTE
} ZW_IRRIGATION_VALVE_TABLE_RUN_4BYTE_FRAME;
typedef struct _ZW_IRRIGATION_SYSTEM_SHUTOFF_FRAME_
          cmdClass;
   BYTE
                                   /* The command class */
                                  /* The command */
   BYTE
        cmd;
   BYTE
          duration;
} ZW_IRRIGATION_SYSTEM_SHUTOFF_FRAME;
/* Supervision Get command class structs */
typedef struct _ZW_SUPERVISION_GET_FRAME_
        cmdClass;
cmd;
properties1;
   BYTE
                                   /* The command class */
                                   /* The command */
   BYTE
                                  /* masked byte */
   BYTE
          encapsulatedCommandLength;
   BYTE
} ZW_SUPERVISION_GET_FRAME;
/* Supervision Report command class structs */
typedef struct _ZW_SUPERVISION_REPORT_FRAME_
  BYTE cmdClass;
BYTE cmd;
BYTE properties1;
BYTE status;
BYTE duration;
                                   /* The command class */
                                   /* The command */
                                   /* masked byte */
} ZW SUPERVISION REPORT FRAME;
typedef struct ZW HUMIDITY CONTROL SETPOINT SET 1BYTE FRAME
```

```
{
         cmdClass;
   BYTE
                                     /* The command class */
                                     /* The command */
   BYTE
           cmd;
          properties1;
                                     /* masked byte */
   BYTE
         properties2;
                                     /* masked byte */
   BYTE
   BYTE
           value1;
} ZW_HUMIDITY_CONTROL_SETPOINT_SET_1BYTE_FRAME;
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_SET_2BYTE_FRAME_
   BYTE
          cmdClass;
                                    /* The command class */
                                    /* The command */
/* masked byte */
   BYTE
          cmd;
          properties1;
   BYTE
                                    /* masked byte */
   BYTE
       properties2;
value1;
value2;
} ZW_HUMIDITY_CONTROL_SETPOINT_SET_2BYTE_FRAME;
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_SET_3BYTE_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
                                    /* The command */
         cmd;
properties1;
properties2;
   BYTE
                                    /* masked byte */
   BYTE
                                    /* masked byte */
   BYTE
   BYTE
           value1;
   BYTE
         value2;
                                    /* LSB */
   BYTE
           value3;
} ZW_HUMIDITY_CONTROL_SETPOINT_SET_3BYTE_FRAME;
/\star Humidity Control Setpoint Set 4byte command class structs \star/
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_SET_4BYTE_FRAME_
                                    /* The command class */
          cmdClass;
          cmd;
                                    /* The command */
                                    /* masked byte */
   BYTE
         properties1;
                                    /* masked byte */
   BYTE
          properties2;
                                    /* MSB */
   BYTE
          value1;
   BYTE
          value2;
         value3;
value4;
   BYTE
                                    /* LSB */
} ZW_HUMIDITY_CONTROL_SETPOINT_SET_4BYTE_FRAME;
/* Humidity Control Setpoint Get command class structs */
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_GET_FRAME_
                                    /* The command class */
           cmdClass;
   BYTE
         cmd;
                                    /* The command */
   BYTE
                                    /* masked byte */
           properties1;
} ZW_HUMIDITY_CONTROL_SETPOINT_GET_FRAME;
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_REPORT_1BYTE_FRAME_
        cmdClass;
cmd;
properties1;
properties2;
value1
                                    /* The command class */
   BYTE
                                    /* The command */
   BYTE
                                    /* masked byte */
   BYTE
                                    /* masked byte */
   BYTE
           value1;
} ZW_HUMIDITY_CONTROL_SETPOINT_REPORT_1BYTE_FRAME;
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_REPORT_2BYTE_FRAME_
                                    /* The command class */
   BYTE
          cmdClass;
        cmd;
properties1;
                                    /* The command */
   BYTE
                                    /* masked byte */
   BYTE
                                    /* masked byte */
          properties2;
```

```
value1;
         value2;
} ZW HUMIDITY CONTROL SETPOINT REPORT 2BYTE FRAME;
/* Humidity Control Setpoint Report 3byte command class structs */
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_REPORT_3BYTE_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
                                   /* The command */
   BYTE
          cmd;
                                   /* masked byte */
         properties1;
   BYTE
                                   /* masked byte */
          properties2;
                                    /* MSB */
   BYTE
           value1;
   BYTE
          value2;
                                    /* LSB */
   BYTE
           value3:
} ZW_HUMIDITY_CONTROL_SETPOINT_REPORT_3BYTE_FRAME;
/* Humidity Control Setpoint Report 4byte command class structs */
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_REPORT_4BYTE_FRAME_
   BYTE
          cmdClass;
                                   /* The command class */
   BYTE
          cmd;
                                   /* The command */
   BYTE
         properties1;
                                   /* masked byte */
                                   /* masked byte */
   BYTE
          properties2;
                                   /* MSB */
   BYTE
          value1:
   BYTE
          value2;
          value3;
   BYTE
          value4;
                                   /* LSB */
} ZW_HUMIDITY_CONTROL_SETPOINT_REPORT_4BYTE_FRAME;
/* Humidity Control Setpoint Supported Get command class structs */
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_SUPPORTED_GET_FRAME_
                                   /* The command class */
   BYTE
          cmdClass;
                                   /* The command */
          cmd;
} ZW_HUMIDITY_CONTROL_SETPOINT_SUPPORTED_GET_FRAME;
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_SUPPORTED_REPORT FRAME
   BYTE
          cmdClass;
                                   /* The command class */
                                   /* The command */
        cmd;
bitMask;
   BYTE
                                   /**/
   BYTE
} ZW_HUMIDITY_CONTROL_SETPOINT_SUPPORTED_REPORT_FRAME;
^{\prime \star} Humidity Control Setpoint Scale Supported Get command class structs ^{\star \prime}
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET_FRAME_
        cmdClass;
                                   /* The command class */
       cmd;
properties1;
                                   /* The command */
                                    /* masked byte */
} ZW_HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET_FRAME;
/* Humidity Control Setpoint Scale Supported Report command class structs */
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_REPORT_FRAME_
        cmdClass;
                                   /* The command class */
   BYTE
                                   /* The command */
   BYTE
        cmd;
           properties1;
                                    /* masked byte */
} ZW_HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_REPORT_FRAME;
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET_FRAME_
                                   /* The command class */
   BYTE
          cmdClass;
        cmd;
                                   /* The command */
   BYTE
           properties1;
                                   /* masked byte */
   BYTE
} ZW HUMIDITY CONTROL SETPOINT CAPABILITIES GET FRAME;
```

```
/**********************
/* Humidity Control Setpoint Capabilities Report 1byte command class structs */
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_1BYTE_FRAME_
                                              /* The command class */
            cmdClass;
    BYTE
             cmd;
                                             /* The command */
            properties1;
                                             /* masked byte */
    BYTE
          properties1;
properties2;
minimumValue1;
properties3;
maximumValue1;
                                             /* masked byte */
   BYTE
   BYTE
                                             /* masked byte */
   BYTE
              maximumValue1;
} ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_1BYTE_FRAME;
   typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_2BYTE_FRAME_
                                             /* The command class */
/* The command */
            cmdClass;
   BYTE
   BYTE
             cmd;
   BYTE cmd;
BYTE properties1;
BYTE properties2;
BYTE minimumValue1;
BYTE minimumValue2;
BYTE properties3;
BYTE maximumValue1;
BYTE maximumValue2;
                                             /* masked byte */
                                             /* masked byte */
                                             /* MSB */
                                             /* LSB */
                                             /* masked byte */
                                             /* MSB */
                                              /* LSB */
} ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_2BYTE_FRAME;
/* Humidity Control Setpoint Capabilities Report 3byte command class structs */
/**************/
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_3BYTE_FRAME
                                             /* The command class */
    BYTE
             cmdClass;
         cmdClass;
cmd;
properties1;
properties2;
minimumValue1;
minimumValue2;
minimumValue3;
properties3;
maximumValue1;
maximumValue1;
maximumValue2;
maximumValue2;
                                             /* The command */
/* masked byte */
    BYTE
   BYTE
                                             /* masked byte */
   BYTE
                                             /* MSB */
                                            /* LSB */
/* masked byte */
   BYTE
   BYTE
                                            /* MSB */
   BYTE
   BYTE
                                             /* LSB */
   BYTE
              maximumValue3;
} ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_3BYTE_FRAME;
/* Humidity Control Setpoint Capabilities Report 4byte command class structs */
/****************/
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_4BYTE_FRAME_
            cmdClass;
                                             /* The command class */
/* The command */
   BYTE
   BYTE
             cmd;
                                             /* masked byte */
            properties1;
   BYTE
         properties1;
properties2;
minimumValue1;
minimumValue2;
minimumValue3;
minimumValue4;
properties3;
maximumValue1;
maximumValue2;
maximumValue3;
maximumValue4;
                                             /* masked byte */
   BYTE
   BYTE
                                             /* MSB */
   BYTE
   BYTE
                                            /* LSB */
   BYTE
                                             /* masked byte */
   BYTE
                                             /* MSB */
   BYTE
    BYTE
    BYTE
                                              /* LSB */
   BYTE
             maximumValue4;
} ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_4BYTE_FRAME;
/* Humidity Control Mode Set command class structs */
typedef struct _ZW_HUMIDITY_CONTROL_MODE_SET_FRAME_
          cmdClass;
   BYTE
                                             /* The command class */
         cmd;
properties1;
                                             /* The command */
                                             /* masked byte */
} ZW_HUMIDITY_CONTROL_MODE_SET_FRAME;
/* Humidity Control Mode Get command class structs */
```

```
typedef struct _ZW_HUMIDITY_CONTROL_MODE_GET_FRAME_
          cmdClass;
                                       /* The command class */
   BYTE
                                       /* The command */
   BYTE
            cmd;
} ZW HUMIDITY CONTROL MODE GET FRAME;
/* Humidity Control Mode Report command class structs */
typedef struct _ZW_HUMIDITY_CONTROL_MODE_REPORT_FRAME_
        cmdClass;
cmd;
   BYTE
                                       /* The command class */
                                       /* The command */
   BYTE
                                       /* masked byte */
   BYTE
            properties1;
} ZW_HUMIDITY_CONTROL_MODE_REPORT_FRAME;
^{\prime \star} Humidity Control Mode Supported Get command class structs ^{\star \prime}
typedef struct _ZW_HUMIDITY_CONTROL_MODE_SUPPORTED_GET_FRAME_
        cmdClass;
cmd;
   BYTE
                                       /* The command class */
                                        /* The command */
} ZW HUMIDITY CONTROL MODE SUPPORTED GET FRAME;
/* Humidity Control Mode Supported Report command class struct */
/************************/
typedef struct _ZW_HUMIDITY_CONTROL_MODE_SUPPORTED_REPORT_FRAME_
   BYTE cmdClass;
BYTE cmd;
BYTE bitMask;
                                        /* The command class */
                                        /* The command */
} ZW HUMIDITY CONTROL MODE SUPPORTED REPORT FRAME;
/* Humidity Control Operating State Get command class structs */
typedef struct _ZW_HUMIDITY_CONTROL_OPERATING_STATE_GET_FRAME
         cmdClass;
cmd;
                                       /* The command class */
/* The command */
} ZW_HUMIDITY_CONTROL_OPERATING_STATE_GET_FRAME;
^{\prime \star} Humidity Control Operating State Report command class structs ^{\star \prime}
typedef struct _ZW_HUMIDITY_CONTROL_OPERATING_STATE_REPORT_FRAME_
                                       /* The command class */
   BYTE
           cmdClass;
         cmd;
                                       /* The command */
   BYTE
            properties1;
                                        /* masked byte */
} ZW_HUMIDITY_CONTROL_OPERATING_STATE_REPORT_FRAME;
typedef struct _ZW_ENTRY_CONTROL_NOTIFICATION_1BYTE_FRAME_
         cmdClass;
cmd;
sequenceNumber;
                                        /* The command class */
   BYTE
                                        /* The command */
   BYTE
                                        /**/
   BYTE
         properties1;
eventType;
eventDataLength;
                                        /* masked byte */
   BYTE
   BYTE
   BYTE
            eventData1;
} ZW_ENTRY_CONTROL_NOTIFICATION_1BYTE_FRAME;
typedef struct _ZW_ENTRY_CONTROL_NOTIFICATION_2BYTE_FRAME_
                                        /* The command class */
   BYTE
           cmdClass;
          cmd;
sequenceNumber;
                                        /* The command */
   BYTE
                                        /**/
   BYTE
           properties1;
eventType;
                                        /* masked byte */
   BYTE
                                        /**/
/**/
   BYTE
           eventDataLength;
   BYTE
   BYTE
           eventData1;
                                        /* MSB */
```

```
eventData2;
                                      /* LSB */
} ZW_ENTRY_CONTROL_NOTIFICATION_2BYTE_FRAME;
typedef struct _ZW_ENTRY_CONTROL_NOTIFICATION_3BYTE_FRAME_
                                      /\,^{\star} The command class ^{\star}/\,
          cmdClass;
                                      /* The command */
   RYTE
           cmd;
                                      /**/
   BYTE
           sequenceNumber;
                                      /* masked byte */
   BYTE
           properties1;
                                      /**/
/**/
           eventType;
   BYTE eventDataLength;
BYTE eventData1;
BYTE eventData2;
BYTE eventData3;
                                      /* MSB */
                                      /* LSB */
   BYTE
           eventData3;
} ZW_ENTRY_CONTROL_NOTIFICATION_3BYTE_FRAME;
typedef struct _ZW_ENTRY_CONTROL_NOTIFICATION_4BYTE_FRAME_
   BYTE
           cmdClass;
                                      /* The command class */
                                      /* The command */
   BYTE
           cmd;
   BYTE
           sequenceNumber;
                                      /* masked byte */
   BYTE
          properties1;
   BYTE
           eventType;
   BYTE eventDataLength;
BYTE eventData1;
BYTE eventData2;
BYTE eventData3;
BYTE eventData4:
                                      /* MSB */
                                     /* LSB */
   BYTE
           eventData4;
} ZW_ENTRY_CONTROL_NOTIFICATION_4BYTE_FRAME;
/* Entry Control Key Supported Get command class structs */
typedef struct _ZW_ENTRY_CONTROL_KEY_SUPPORTED_GET_FRAME_
         cmdClass;
                                     /* The command class */
                                     /* The command */
} ZW_ENTRY_CONTROL_KEY_SUPPORTED_GET_FRAME;
/* Entry Control Key Supported Report 1byte command class structs */
typedef struct _ZW_ENTRY_CONTROL_KEY_SUPPORTED_REPORT_1BYTE_FRAME_
                                     /* The command class */
   BYTE
          cmdClass;
                                     /* The command */
   BYTE
           cmd;
       cma;
keySupportedBitMaskLength;
keySupportedBitMaskL;
} ZW_ENTRY_CONTROL_KEY_SUPPORTED_REPORT_1BYTE_FRAME;
typedef struct _ZW_ENTRY_CONTROL_KEY_SUPPORTED_REPORT_2BYTE_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
                                     /* The command */
   BYTE
           cmd;
         keySupportedBitMaskLength; /**/
keySupportedBitMask1; /* MSB */
keySupportedBitMask2; /* LSB */
   BYTE
} ZW_ENTRY_CONTROL_KEY_SUPPORTED_REPORT_2BYTE_FRAME;
  **********************
/* Entry Control Key Supported Report 3byte command class structs */
typedef struct _ZW_ENTRY_CONTROL_KEY_SUPPORTED_REPORT_3BYTE_FRAME_
           cmdClass;
                                      /* The command class */
   BYTE
                                     /* The command */
   BYTE
           cmd;
                                     /**/
   BYTE
           keySupportedBitMaskLength;
          keySupportedBitMask1;
   BYTE
                                     /* MSB */
   BYTE
           keySupportedBitMask2;
BYTE keySupportedBitMask3; /* LSB *
} ZW_ENTRY_CONTROL_KEY_SUPPORTED_REPORT_3BYTE_FRAME;
                                      /* LSB */
```

```
/* Entry Control Key Supported Report 4byte command class structs */
typedef struct _ZW_ENTRY_CONTROL_KEY_SUPPORTED_REPORT_4BYTE_FRAME_
   BYTE
            cmdClass;
                                          /* The command class */
           cmd;
                                         /* The command */
            keySupportedBitMaskLength;
                                          /* MSB */
   BYTE
            keySupportedBitMask1;
   BYTE
            keySupportedBitMask2;
          keySupportedBitMask3;
   BYTE
                                       /* LSB */
             keySupportedBitMask4;
   BYTE
} ZW_ENTRY_CONTROL_KEY_SUPPORTED_REPORT_4BYTE_FRAME;
typedef struct _ZW_ENTRY_CONTROL_EVENT_SUPPORTED_GET_FRAME_
           cmdClass;
                                          /* The command class */
                                          /* The command */
   BYTE
            cmd:
} ZW_ENTRY_CONTROL_EVENT_SUPPORTED_GET_FRAME;
^{\prime} /* Entry Control Event Supported Report 1byte command class structs */
typedef struct _ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_1BYTE_FRAME_
            cmdClass;
                                          /* The command class */
                                          /* The command */
            cmd;
            properties1;
                                         /* masked byte */
   BYTE
   BYTE
            dataTypeSupportedBitMask1;
   BYTE
           properties2;
                                          /* masked byte */
            eventTypeSupportedBitMask1;
keyCachedSizeSupportedMinimum;/**/
   BYTE
   BYTE
             keyCachedSizeSupportedMaximum; /**/
   BYTE
             keyCachedTimeoutSupportedMinimum;/**/
   BYTE
             keyCachedTimeoutSupportedMaximum;/**/
   BYTE
} ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_1BYTE_FRAME;
^{\prime\star} Entry Control Event Supported Report 2byte command class structs ^{\star\prime}
typedef struct _ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_2BYTE_FRAME_
            cmdClass;
                                          /* The command class */
                                          /* The command */
            cmd;
                                         /* masked byte */
/* MSB */
/* LSB */
            properties1;
   BYTE
   BYTE
             dataTypeSupportedBitMask1;
   RYTE
            dataTypeSupportedBitMask2;
                                         /* masked byte */
   BYTE
            properties2;
                                         /* MSB */
/* LSB */
            eventTypeSupportedBitMask1;
   BYTE
             eventTypeSupportedBitMask2;
             keyCachedSizeSupportedMinimum;/**/
   BYTE
             keyCachedSizeSupportedMaximum;/**/
   BYTE
             \verb"keyCachedTimeoutSupportedMinimum"; / *
   BYTE
BYTE keyCachedTimeoutSupportedMaximum;/**/
} ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_2BYTE_FRAME;
/* Entry Control Event Supported Report 3byte command class structs */
typedef struct _ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_3BYTE_FRAME_
             cmdClass;
   BYTE
                                          /* The command class */
                                          /* The command */
   BYTE
             cmd;
                                          /* masked byte */
   BYTE
            properties1;
            dataTypeSupportedBitMask1;
dataTypeSupportedBitMask2;
dataTypeSupportedBitMask3;
                                         /* MSB */
   BYTE
   BYTE
   BYTE
                                         /* LSB */
                                         /* masked byte */
/* MSB */
            properties2;
             eventTypeSupportedBitMask1;
   BYTE
             eventTypeSupportedBitMask2;
eventTypeSupportedBitMask3; /* L
keyCachedSizeSupportedMinimum;/**/
   BYTE
                                         /* LSB */
   BYTE
   BYTE
             keyCachedSizeSupportedMaximum; /**/
   BYTE
             keyCachedTimeoutSupportedMinimum;/**/
             keyCachedTimeoutSupportedMaximum;/**/
   BYTE
} ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_3BYTE_FRAME;
```

```
/* Entry Control Event Supported Report 4byte command class structs */
typedef struct _ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_4BYTE_FRAME_
                                     /* The command class */
   BYTE
           cmdClass;
                                     /* The command */
   BYTE
           cmd;
                                     /* masked byte */
           properties1;
           dataTypeSupportedBitMask1;
                                     /* MSB */
   BYTE
           dataTypeSupportedBitMask2;
   BYTE
           dataTypeSupportedBitMask3;
           dataTypeSupportedBitMask4;
                                     /* LSB */
   BYTE
                                     /* masked byte */
           properties2;
   BYTE
           eventTypeSupportedBitMask1;
                                    /* MSB */
   BYTE
           eventTypeSupportedBitMask2;
   BYTE
           eventTypeSupportedBitMask3;
           eventTypeSupportedBitMask4; /* LkeyCachedSizeSupportedMinimum;/**/
                                    /* LSB */
   BYTE
   BYTE
   BYTE
           keyCachedSizeSupportedMaximum; /**/
   BYTE
           keyCachedTimeoutSupportedMinimum;/**/
   BYTE
           keyCachedTimeoutSupportedMaximum;/**/
} ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_4BYTE_FRAME;
/* Entry Control Configuration Set command class structs */
typedef struct _ZW_ENTRY_CONTROL_CONFIGURATION_SET_FRAME_
                                     /* The command class */
   BYTE
          cmdClass:
                                     /* The command */
   BYTE
          cmd;
        keyCacheSize;
keyCacheTimeout;
   BYTE
} ZW_ENTRY_CONTROL_CONFIGURATION_SET_FRAME;
^{\prime} /* Entry Control Configuration Get command class structs */
typedef struct _ZW_ENTRY_CONTROL_CONFIGURATION_GET_FRAME_
         cmdClass;
                                    /* The command class */
                                    /* The command */
           cmd;
} ZW_ENTRY_CONTROL_CONFIGURATION_GET_FRAME;
typedef struct _ZW_ENTRY_CONTROL_CONFIGURATION_REPORT_FRAME_
         cmdClass;
   BYTE
                                     /* The command class */
                                     /* The command */
   BYTE
           cmd;
         cma;
keyCacheSize;
keyCacheTimeout;
                                     /**/
   BYTE
   BYTE
} ZW_ENTRY_CONTROL_CONFIGURATION_REPORT_FRAME;
typedef struct _ZW_INITIATE_FRAME_
                                     /* The command class */
/* The command */
/**/
          cmdClass;
        cmd;
nodeId;
stepId;
   BYTE
   BYTE
   BYTE
} ZW_INITIATE_FRAME;
typedef struct _ZW_COMPLETE_FRAME_
          cmdClass;
                                     /* The command class */
         cmd;
stepId;
                                     /* The command */
/**/
   BYTE
   BYTE
           status;
} ZW COMPLETE FRAME;
/* Command class structs use to encapsulating other commands
/* Do not define these commands in ZW_FRAME_COLLECTION_MACRO
/* Do not include commands defined in ZW FRAME COLLECTION MACRO below */
```

```
typedef union _ALL_EXCEPT_ENCAP
ZW_FRAME_COLLECTION_MACRO0
ZW_FRAME_COLLECTION_MACRO1
ZW FRAME COLLECTION MACRO2
ZW FRAME COLLECTION MACRO3
ZW_FRAME_COLLECTION_MACRO4
ZW_FRAME_COLLECTION_MACRO5
} ALL EXCEPT ENCAP;
typedef struct _ZW_MULTI_COMMAND_ENCAP_FRAME
              cmdClass;
  BYTE
                                            /* The command class */
                                              /* The command */
  BYTE
                  cmd;
                 numberOfCommands;
  BYTE
                  commandLength;
ENCAP encapFrame;
  ALL_EXCEPT_ENCAP
} ZW_MULTI_COMMAND_ENCAP_FRAME;
typedef struct _ZW_COMPOSITE_CMD_ENCAP_FRAME_
  BYTE
                  cmdClass;
                                              /* The command class */
                                              /* The command */
                  cmd;
  BYTE
                 endPointMask1;
                                              /* End point mask 1 */
  BYTE
                  endPointMask2;
                                              /* End point mask 2 */
  ALL EXCEPT_ENCAP encapFrame;
} ZW_COMPOSITE_CMD_ENCAP_FRAME;
typedef struct _ZW_COMPOSITE_REPLY_ENCAP_FRAME_
                                              /* The command class */
  BYTE
                  cmdClass;
                                              /* The command */
  BYTE
                 cmd;
  BYTE endPoint;
ALL_EXCEPT_ENCAP e
                                              /* Bit7-5=Reserved and Bit0-4=End Point */
                             encapFrame;
} ZW COMPOSITE REPLY ENCAP FRAME;
typedef struct _ZW_MULTI_INSTANCE_CMD_ENCAP_FRAME_
  BYTE
                  cmdClass;
                                           /* The command class */
                                              /* The command */
  BYTE
                  cmd;
                  instance;
                                              /* The instance to access */
  ALL_EXCEPT_ENCAP encapFrame;
} ZW_MULTI_INSTANCE_CMD_ENCAP_FRAME;
typedef struct _ZW_MULTI_CHANNEL_CMD_ENCAP_V2_FRAME_
     BYTE
                  cmdClass;
                                                           /* The command class */
                                                          /* The command */
/* masked byte */
     BYTE
                  cmd;
                  properties1;
     RYTE
                                                           /* masked byte */
  BYTE properties2; ALL_EXCEPT_ENCAP enca
                          encapFrame;
} ZW MULTI CHANNEL CMD ENCAP V2 FRAME;
typedef struct _ZW_SECURITY_MESSAGE_ENCAP_FRAME_
  BYTE
                                              /* The command class */
                  cmdClass:
                                              /* The command */
  BYTE
                                            /* The command */
/* The initialization vector byte 1 (MSB) */
/* The initialization vector byte 2 */
/* The initialization vector byte 3 */
/* The initialization vector byte 4 */
/* The initialization vector byte 5 */
/* The initialization vector byte 5 */
                  cmd;
                  initVectorByte1;
  BYTE
                  initVectorByte2;
  BYTE
                  initVectorByte3;
                  initVectorByte4;
  BYTE
                  initVectorByte5;
initVectorByte6;
  BYTE
                                           /* The initialization vector byte 6 */
/* The initialization vector byte 7 */
/* The initialization vector byte 8 (LSB) */
  BYTE
   BYTE
                  initVectorByte7;
  BYTE
                  initVectorByte8;
  BYTE
                  securityEncapMessage[29];
  BYTE
                  receiverNonceIdent:
  BYTE
                  messageAuthenticationCodeByte1; /* The Authentication code byte 1 (MSB) */
                  messageAuthenticationCodeByte1; /* The Authentication code byte 1 (M. messageAuthenticationCodeByte2; /* The Authentication code byte 2 */ messageAuthenticationCodeByte3; /* The Authentication code byte 3 */ messageAuthenticationCodeByte4; /* The Authentication code byte 4 */ messageAuthenticationCodeByte5; /* The Authentication code byte 5 */ messageAuthenticationCodeByte6; /* The Authentication code byte 6 */ messageAuthenticationCodeByte7; /* The Authentication code byte 7 */ messageAuthenticationCodeByte7; /* The Authentication code byte 7 */
  BYTE
   BYTE
  BYTE
  BYTE
  BYTE
                  messageAuthenticationCodeByte8; /* The Authentication code byte 8 (LSB) */
} ZW_SECURITY_MESSAGE_ENCAP_FRAME;
```

```
typedef union _ZW_APPLICATION_TX_BUFFER_
  ZW_MULTI_COMMAND_ENCAP_FRAME
ZW_COMPOSITE_CMD_ENCAP_FRAME
ZW_COMPOSITE_REPLY_ENCAP_FRAME
ZW_MULTI_INSTANCE_CMD_ENCAP_FRAME
ZW_MULTI_CHANNEL_CMD_ENCAP_V2_FRAME
                                                            ZW_MultiCommandEncapFrame;
                                                            ZW_CompositeCmdEncapFrame;
ZW_CompositeReplyEncapFrame;
ZW_MultiInstanceCmdEncapFrame;
                                                           ZW MultiChannelCmdEncapV2Frame;
ZW_FRAME_COLLECTION_MACRO0
ZW_FRAME_COLLECTION_MACRO1
ZW FRAME COLLECTION MACRO2
ZW_FRAME_COLLECTION_MACRO2
ZW_FRAME_COLLECTION_MACRO4
ZW_FRAME_COLLECTION_MACRO5
} ZW_APPLICATION_TX_BUFFER;
/* Union of all command classes with room for a full
typedef union _ZW_APPLICATION_META_TX_BUFFER_
   ZW_MULTI_COMMAND_ENCAP_FRAME
ZW_COMPOSITE_CMD_ENCAP_FRAME
ZW_COMPOSITE_REPLY_ENCAP_FRAME
                                                            ZW MultiCommandEncapFrame;
                                                            ZW_CompositeCmdEncapFrame;
ZW_CompositeReplyEncapFrame;
   ZW_MULTI_CHANNEL_CMD_ENCAP_FRAME
ZW_MULTI_CHANNEL_CMD_ENCAP_FRAME
                                                            ZW MultiInstanceCmdEncapFrame;
ZW_MULTI_CHANNEL_CMD_ENCAP_FRAME
ZW_MULTI_CHANNEL_CMD_ENCAP_V2_FRAME
ZW_FRAME_COLLECTION_MACRO1
ZW_FRAME_COLLECTION_MACRO1
ZW_FRAME_COLLECTION_MACRO2
                                                          ZW_MultiChannelCmdEncapV2Frame;
ZW_FRAME_COLLECTION_MACRO3
ZW_FRAME_COLLECTION_MACRO4
ZW_FRAME_COLLECTION_MACRO5
   BYTE
                                                             bPadding[META_DATA_MAX_DATA_SIZE];
} ZW APPLICATION META TX BUFFER;
```

REFERENCES

- [1] Sigma Designs, SDS11847, Software Design Specification, Z-Wave Device Class Specification.
- [2] Sigma Designs, SDS11847, Software Design Specification, Z-Wave Plus Device Types Specification.
- [3] Sigma Designs, SDS11846, Software Design Specification, Z-Wave Plus Role Types Specification.
- [4] Sigma Designs, SDS12657, Software Design Specification, Z-Wave Command Class Specification, A-M.
- [5] Sigma Designs, SDS12652, Software Design Specification, Z-Wave Command Class Specification, N-Z.