



Software Design Specification

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

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REVISION RECORD

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Table of Contents

1

ABBREVIATIONS.....

1

2

INTRODUCTION.....

1

2.1

Purpose

1

3

TYPES AND DEFINES

2

REFERENCES

460

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_MACRO0\
    ZW_COMMON_FRAME
/* Command class Alarm */\
    ZW_ALARM_GET_FRAME
    ZW_ALARM_REPORT_FRAME
/* 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_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_4BYTE_V2_FRAME
/* Command class Notification V3 */\
    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_NOTIFICATION_SET_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_4BYTE_V3_FRAME
    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_GET_V4_FRAME
    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_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_NOTIFICATION_SUPPORTED_REPORT_4BYTE_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_4BYTE_V4_FRAME
/* Command class Notification V5 */\
    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_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_4BYTE_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_4BYTE_V5_FRAME

ZW_Common;\
    ZW_AlarmGetFrame;\
    ZW_AlarmReportFrame;\
    ZW_AlarmGetV2Frame;\
    ZW_AlarmReport1byteV2Frame;\
    ZW_AlarmReport2byteV2Frame;\
    ZW_AlarmReport3byteV2Frame;\
    ZW_AlarmReport4byteV2Frame;\
    ZW_AlarmSetV2Frame;\
    ZW_AlarmTypeSupportedGetV2Frame;\
    ZW_AlarmTypeSupportedReport1byteV2Frame;\
    ZW_AlarmTypeSupportedReport2byteV2Frame;\
    ZW_AlarmTypeSupportedReport3byteV2Frame;\
    ZW_AlarmTypeSupportedReport4byteV2Frame;\
    ZW_NotificationGetV3Frame;\
    ZW_NotificationReport1byteV3Frame;\
    ZW_NotificationReport2byteV3Frame;\
    ZW_NotificationReport3byteV3Frame;\
    ZW_NotificationReport4byteV3Frame;\
    ZW_NotificationSetV3Frame;\
    ZW_NotificationSupportedGetV3Frame;\
    ZW_NotificationSupportedReport1byteV3Frame;\
    ZW_NotificationSupportedReport2byteV3Frame;\
    ZW_NotificationSupportedReport3byteV3Frame;\
    ZW_NotificationSupportedReport4byteV3Frame;\
    ZW_EventSupportedGetV3Frame;\
    ZW_EventSupportedReport1byteV3Frame;\
    ZW_EventSupportedReport2byteV3Frame;\
    ZW_EventSupportedReport3byteV3Frame;\
    ZW_EventSupportedReport4byteV3Frame;\
    ZW_NotificationGetV4Frame;\
    ZW_NotificationReport1byteV4Frame;\
    ZW_NotificationReport2byteV4Frame;\
    ZW_NotificationReport3byteV4Frame;\
    ZW_NotificationReport4byteV4Frame;\
    ZW_NotificationSetV4Frame;\
    ZW_NotificationSupportedGetV4Frame;\
    ZW_NotificationSupportedReport1byteV4Frame;\
    ZW_NotificationSupportedReport2byteV4Frame;\
    ZW_NotificationSupportedReport3byteV4Frame;\
    ZW_NotificationSupportedReport4byteV4Frame;\
    ZW_EventSupportedGetV4Frame;\
    ZW_EventSupportedReport1byteV4Frame;\
    ZW_EventSupportedReport2byteV4Frame;\
    ZW_EventSupportedReport3byteV4Frame;\
    ZW_EventSupportedReport4byteV4Frame;\
    ZW_NotificationGetV5Frame;\
    ZW_NotificationReport1byteV5Frame;\
    ZW_NotificationReport2byteV5Frame;\
    ZW_NotificationReport3byteV5Frame;\
    ZW_NotificationReport4byteV5Frame;\
    ZW_NotificationSetV5Frame;\
    ZW_NotificationSupportedGetV5Frame;\
    ZW_NotificationSupportedReport1byteV5Frame;\
    ZW_NotificationSupportedReport2byteV5Frame;\
    ZW_NotificationSupportedReport3byteV5Frame;\
    ZW_NotificationSupportedReport4byteV5Frame;\
    ZW_EventSupportedGetV5Frame;\
    ZW_EventSupportedReport1byteV5Frame;\
    ZW_EventSupportedReport2byteV5Frame;\
    ZW_EventSupportedReport3byteV5Frame;\
    ZW_EventSupportedReport4byteV5Frame;

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/* 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_4BYTE_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_4BYTE_V6_FRAME
ZW_EVENT_SUPPORTED_GET_V6_FRAME
ZW_EVENT_SUPPORTED_REPORT_1BYTE_V6_FRAME
ZW_EVENT_SUPPORTED_REPORT_2BYTE_V6_FRAME
ZW_EVENT_SUPPORTED_REPORT_3BYTE_V6_FRAME
ZW_EVENT_SUPPORTED_REPORT_4BYTE_V6_FRAME
/* 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_4BYTE_V7_FRAME
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_NOTIFICATION_GET_V8_FRAME
ZW_NOTIFICATION_REPORT_1BYTE_V8_FRAME
ZW_NOTIFICATION_REPORT_2BYTE_V8_FRAME
ZW_NOTIFICATION_REPORT_3BYTE_V8_FRAME
ZW_NOTIFICATION_REPORT_4BYTE_V8_FRAME
ZW_NOTIFICATION_SET_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_EVENT_SUPPORTED_GET_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_1BYTE_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_2BYTE_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_3BYTE_V8_FRAME
ZW_EVENT_SUPPORTED_REPORT_4BYTE_V8_FRAME
/* Command class Application Status */\
ZW_APPLICATION_BUSY_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_4BYTE_FRAME
ZW_COMMAND_RECORDS_SUPPORTED_GET_FRAME
ZW_COMMAND_RECORDS_SUPPORTED_REPORT_FRAME
/* Command class Association */\
ZW_ASSOCIATION_GET_FRAME
ZW_ASSOCIATION_GROUPINGS_GET_FRAME
ZW_ASSOCIATION_GROUPINGS_REPORT_FRAME
ZW_ASSOCIATION_REMOVE_1BYTE_FRAME
ZW_ASSOCIATION_REMOVE_2BYTE_FRAME
ZW_ASSOCIATION_REMOVE_3BYTE_FRAME
ZW_ASSOCIATION_REMOVE_4BYTE_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_2BYTE_FRAME
ZW_ASSOCIATION_SET_3BYTE_FRAME

ZW_NotificationGetV6Frame;\
ZW_NotificationReport1byteV6Frame;\
ZW_NotificationReport2byteV6Frame;\
ZW_NotificationReport3byteV6Frame;\
ZW_NotificationReport4byteV6Frame;\
ZW_NotificationSetV6Frame;\
ZW_NotificationSupportedGetV6Frame;\
ZW_NotificationSupportedReport1byteV6Frame;\
ZW_NotificationSupportedReport2byteV6Frame;\
ZW_NotificationSupportedReport3byteV6Frame;\
ZW_NotificationSupportedReport4byteV6Frame;\
ZW_EventSupportedGetV6Frame;\
ZW_EventSupportedReport1byteV6Frame;\
ZW_EventSupportedReport2byteV6Frame;\
ZW_EventSupportedReport3byteV6Frame;\
ZW_EventSupportedReport4byteV6Frame;\

ZW_NotificationGetV7Frame;\
ZW_NotificationReport1byteV7Frame;\
ZW_NotificationReport2byteV7Frame;\
ZW_NotificationReport3byteV7Frame;\
ZW_NotificationReport4byteV7Frame;\
ZW_NotificationSetV7Frame;\
ZW_NotificationSupportedGetV7Frame;\
ZW_NotificationSupportedReport1byteV7Frame;\
ZW_NotificationSupportedReport2byteV7Frame;\
ZW_NotificationSupportedReport3byteV7Frame;\
ZW_NotificationSupportedReport4byteV7Frame;\
ZW_EventSupportedGetV7Frame;\
ZW_EventSupportedReport1byteV7Frame;\
ZW_EventSupportedReport2byteV7Frame;\
ZW_EventSupportedReport3byteV7Frame;\
ZW_EventSupportedReport4byteV7Frame;\

ZW_NotificationGetV8Frame;\
ZW_NotificationReport1byteV8Frame;\
ZW_NotificationReport2byteV8Frame;\
ZW_NotificationReport3byteV8Frame;\
ZW_NotificationReport4byteV8Frame;\
ZW_NotificationSetV8Frame;\
ZW_NotificationSupportedGetV8Frame;\
ZW_NotificationSupportedReport1byteV8Frame;\
ZW_NotificationSupportedReport2byteV8Frame;\
ZW_NotificationSupportedReport3byteV8Frame;\
ZW_NotificationSupportedReport4byteV8Frame;\
ZW_EventSupportedGetV8Frame;\
ZW_EventSupportedReport1byteV8Frame;\
ZW_EventSupportedReport2byteV8Frame;\
ZW_EventSupportedReport3byteV8Frame;\
ZW_EventSupportedReport4byteV8Frame;\

ZW_ApplicationBusyFrame;\
ZW_ApplicationRejectedRequestFrame;\

ZW_CommandConfigurationGetFrame;\
ZW_CommandConfigurationReport1byteFrame;\
ZW_CommandConfigurationReport2byteFrame;\
ZW_CommandConfigurationReport3byteFrame;\
ZW_CommandConfigurationReport4byteFrame;\
ZW_CommandConfigurationSet1byteFrame;\
ZW_CommandConfigurationSet2byteFrame;\
ZW_CommandConfigurationSet3byteFrame;\
ZW_CommandConfigurationSet4byteFrame;\
ZW_CommandRecordsSupportedGetFrame;\
ZW_CommandRecordsSupportedReportFrame;\

ZW_AssociationGetFrame;\
ZW_AssociationGroupingsGetFrame;\
ZW_AssociationGroupingsReportFrame;\
ZW_AssociationRemove1byteFrame;\
ZW_AssociationRemove2byteFrame;\
ZW_AssociationRemove3byteFrame;\
ZW_AssociationRemove4byteFrame;\
ZW_AssociationReport1byteFrame;\
ZW_AssociationReport2byteFrame;\
ZW_AssociationReport3byteFrame;\
ZW_AssociationReport4byteFrame;\
ZW_AssociationSet1byteFrame;\
ZW_AssociationSet2byteFrame;\
ZW_AssociationSet3byteFrame;\

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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_4BYTE_V2_FRAME
ZW_ASSOCIATION_SET_1BYTE_V2_FRAME
ZW_ASSOCIATION_SET_2BYTE_V2_FRAME
ZW_ASSOCIATION_SET_3BYTE_V2_FRAME
ZW_ASSOCIATION_SET_4BYTE_V2_FRAME
ZW_ASSOCIATION_SPECIFIC_GROUP_GET_V2_FRAME
ZW_ASSOCIATION_SPECIFIC_GROUP_REPORT_V2_FRAME
/* 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_CHILD_COUNT_REPORT_FRAME
ZW_AV_CONTENT_BROWSE_MD_GET_FRAME
ZW_AV_CONTENT_BROWSE_MD_REPORT_FRAME
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
/* 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_AV_TAGGING_MD_REPORT_FRAME
/* Command class Basic Tariff Info */
ZW_BASIC_TARIFF_INFO_GET_FRAME
ZW_BASIC_TARIFF_INFO_REPORT_FRAME
/* Command class Basic Window Covering */
ZW_BASIC_WINDOW_COVERING_START_LEVEL_CHANGE_FRAME
ZW_BASIC_WINDOW_COVERING_STOP_LEVEL_CHANGE_FRAME
/* Command class Basic */
ZW_BASIC_GET_FRAME
ZW_BASIC_REPORT_FRAME
ZW_BASIC_SET_FRAME
/* Command class Basic V2 */
ZW_BASIC_GET_V2_FRAME
ZW_BASIC_REPORT_V2_FRAME
ZW_BASIC_SET_V2_FRAME
/* Command class Battery */
ZW_BATTERY_GET_FRAME
ZW_BATTERY_REPORT_FRAME
/* 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_CHIMNEY_FAN_ALARM_STATUS_GET_FRAME
ZW_CHIMNEY_FAN_ALARM_STATUS_REPORT_FRAME
ZW_CHIMNEY_FAN_ALARM_STATUS_SET_FRAME
ZW_CHIMNEY_FAN_ALARM_TEMP_GET_FRAME
ZW_CHIMNEY_FAN_ALARM_TEMP_REPORT_1BYTE_FRAME
ZW_CHIMNEY_FAN_ALARM_TEMP_REPORT_2BYTE_FRAME
ZW_CHIMNEY_FAN_ALARM_TEMP_REPORT_3BYTE_FRAME
ZW_CHIMNEY_FAN_ALARM_TEMP_REPORT_4BYTE_FRAME
ZW_CHIMNEY_FAN_ALARM_TEMP_SET_1BYTE_FRAME
ZW_CHIMNEY_FAN_ALARM_TEMP_SET_2BYTE_FRAME
ZW_CHIMNEY_FAN_ALARM_TEMP_SET_3BYTE_FRAME
ZW_CHIMNEY_FAN_ALARM_TEMP_SET_4BYTE_FRAME
ZW_CHIMNEY_FAN_BOOST_TIME_GET_FRAME
ZW_CHIMNEY_FAN_BOOST_TIME_REPORT_FRAME
ZW_CHIMNEY_FAN_BOOST_TIME_SET_FRAME
ZW_CHIMNEY_FAN_DEFAULT_SET_FRAME
ZW_CHIMNEY_FAN_MIN_SPEED_GET_FRAME
ZW_CHIMNEY_FAN_MIN_SPEED_REPORT_FRAME
ZW_CHIMNEY_FAN_MIN_SPEED_SET_FRAME
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_AssociationSet4byteFrame;
ZW_AssociationGetV2Frame;
ZW_AssociationGroupingsGetV2Frame;
ZW_AssociationGroupingsReportV2Frame;
ZW_AssociationRemove1byteV2Frame;
ZW_AssociationRemove2byteV2Frame;
ZW_AssociationRemove3byteV2Frame;
ZW_AssociationRemove4byteV2Frame;
ZW_AssociationReport1byteV2Frame;
ZW_AssociationReport2byteV2Frame;
ZW_AssociationReport3byteV2Frame;
ZW_AssociationReport4byteV2Frame;
ZW_AssociationSet1byteV2Frame;
ZW_AssociationSet2byteV2Frame;
ZW_AssociationSet3byteV2Frame;
ZW_AssociationSet4byteV2Frame;
ZW_AssociationSpecificGroupGetV2Frame;
ZW_AssociationSpecificGroupReportV2Frame;
ZW_AvContentBrowseMdByLetterGetFrame;
ZW_AvContentBrowseMdByLetterReportFrame;
ZW_AvContentBrowseMdChildCountGetFrame;
ZW_AvContentBrowseMdChildCountReportFrame;
ZW_AvContentBrowseMdGetFrame;
ZW_AvContentBrowseMdReportFrame;
ZW_AvMatchItemToRendererMdGetFrame;
ZW_AvMatchItemToRendererMdReportFrame;
ZW_AvContentSearchMdGetFrame;
ZW_AvContentSearchMdReportFrame;
ZW_AvRendererStatusGetFrame;
ZW_AvRendererStatusReportFrame;
ZW_AvTaggingMdGetFrame;
ZW_AvTaggingMdReportFrame;
ZW_BasicTariffInfoGetFrame;
ZW_BasicTariffInfoReportFrame;
ZW_BasicWindowCoveringStartLevelChangeFrame;
ZW_BasicWindowCoveringStopLevelChangeFrame;
ZW_BasicGetFrame;
ZW_BasicReportFrame;
ZW_BasicSetFrame;
ZW_BasicGetV2Frame;
ZW_BasicReportV2Frame;
ZW_BasicSetV2Frame;
ZW_BatteryGetFrame;
ZW_BatteryReportFrame;
ZW_ChimneyFanAlarmLogGetFrame;
ZW_ChimneyFanAlarmLogReportFrame;
ZW_ChimneyFanAlarmLogSetFrame;
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_ChimneyFanModeGetFrame;
ZW_ChimneyFanModeReportFrame;
ZW_ChimneyFanModeSetFrame;
ZW_ChimneyFanSetupGetFrame;

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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_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_STATE_GET_FRAME
ZW_CHIMNEY_FAN_STATE_REPORT_FRAME
ZW_CHIMNEY_FAN_STATE_SET_FRAME
ZW_CHIMNEY_FAN_STATUS_GET_FRAME
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_4BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_GET_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_1BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_2BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_3BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_4BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_SET_1BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_SET_2BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_SET_3BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TEMP_SET_4BYTE_FRAME
ZW_CHIMNEY_FAN_STOP_TIME_GET_FRAME
ZW_CHIMNEY_FAN_STOP_TIME_REPORT_FRAME
ZW_CHIMNEY_FAN_STOP_TIME_SET_FRAME
/* Command class Climate Control Schedule */
ZW_SCHEDULE_CHANGED_GET_FRAME
ZW_SCHEDULE_CHANGED_REPORT_FRAME
ZW_SCHEDULE_GET_FRAME
ZW_SCHEDULE_OVERRIDE_GET_FRAME
ZW_SCHEDULE_OVERRIDE_REPORT_FRAME
ZW_SCHEDULE_OVERRIDE_SET_FRAME
ZW_SCHEDULE_REPORT_FRAME
ZW_SCHEDULE_SET_FRAME
/* Command class Clock */
ZW_CLOCK_GET_FRAME
ZW_CLOCK_REPORT_FRAME
ZW_CLOCK_SET_FRAME
/* Command class Configuration */
ZW_CONFIGURATION_GET_FRAME
ZW_CONFIGURATION_REPORT_1BYTE_FRAME
ZW_CONFIGURATION_REPORT_2BYTE_FRAME
ZW_CONFIGURATION_REPORT_3BYTE_FRAME
ZW_CONFIGURATION_REPORT_4BYTE_FRAME
ZW_CONFIGURATION_SET_1BYTE_FRAME
ZW_CONFIGURATION_SET_2BYTE_FRAME
ZW_CONFIGURATION_SET_3BYTE_FRAME
ZW_CONFIGURATION_SET_4BYTE_FRAME
/* Command class Configuration V2 */
ZW_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_4BYTE_V2_VG
ZW_CONFIGURATION_BULK_REPORT_1BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_REPORT_2BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_REPORT_3BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_REPORT_4BYTE_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_4BYTE_V2_VG
ZW_CONFIGURATION_BULK_SET_1BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_SET_2BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_SET_3BYTE_V2_FRAME
ZW_CONFIGURATION_BULK_SET_4BYTE_V2_FRAME

ZW_ChimneyFanSetupReport1byteFrame; \
ZW_ChimneyFanSetupReport2byteFrame; \
ZW_ChimneyFanSetupReport3byteFrame; \
ZW_ChimneyFanSetupReport4byteFrame; \
ZW_ChimneyFanSetupSet1byteFrame; \
ZW_ChimneyFanSetupSet2byteFrame; \
ZW_ChimneyFanSetupSet3byteFrame; \
ZW_ChimneyFanSetupSet4byteFrame; \
ZW_ChimneyFanSpeedGetFrame; \
ZW_ChimneyFanSpeedReportFrame; \
ZW_ChimneyFanSpeedSetFrame; \
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_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_ScheduleChangedGetFrame; \
ZW_ScheduleChangedReportFrame; \
ZW_ScheduleGetFrame; \
ZW_ScheduleOverrideGetFrame; \
ZW_ScheduleOverrideReportFrame; \
ZW_ScheduleOverrideSetFrame; \
ZW_ScheduleReportFrame; \
ZW_ScheduleSetFrame; \

ZW_ClockGetFrame; \
ZW_ClockReportFrame; \
ZW_ClockSetFrame; \

ZW_ConfigurationGetFrame; \
ZW_ConfigurationReport1byteFrame; \
ZW_ConfigurationReport2byteFrame; \
ZW_ConfigurationReport3byteFrame; \
ZW_ConfigurationReport4byteFrame; \
ZW_ConfigurationSet1byteFrame; \
ZW_ConfigurationSet2byteFrame; \
ZW_ConfigurationSet3byteFrame; \
ZW_ConfigurationSet4byteFrame; \

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_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
/* 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_4BYTE_V3_FRAME
VG_CONFIGURATION_BULK_SET_1BYTE_V3_VG
VG_CONFIGURATION_BULK_SET_2BYTE_V3_VG
VG_CONFIGURATION_BULK_SET_3BYTE_V3_VG
VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG
ZW_CONFIGURATION_BULK_SET_1BYTE_V3_FRAME
ZW_CONFIGURATION_BULK_SET_2BYTE_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_2BYTE_V3_FRAME
ZW_CONFIGURATION_REPORT_3BYTE_V3_FRAME
ZW_CONFIGURATION_REPORT_4BYTE_V3_FRAME
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_CONFIGURATION_NAME_GET_V3_FRAME
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_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_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_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_CONFIGURATION_BULK_REPORT_2BYTE_V4_FRAME
ZW_CONFIGURATION_BULK_REPORT_3BYTE_V4_FRAME
ZW_CONFIGURATION_BULK_REPORT_4BYTE_V4_FRAME
VG_CONFIGURATION_BULK_SET_1BYTE_V4_VG
VG_CONFIGURATION_BULK_SET_2BYTE_V4_VG
VG_CONFIGURATION_BULK_SET_3BYTE_V4_VG
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_GET_V4_FRAME
ZW_CONFIGURATION_REPORT_1BYTE_V4_FRAME
ZW_CONFIGURATION_REPORT_2BYTE_V4_FRAME
ZW_CONFIGURATION_REPORT_3BYTE_V4_FRAME
ZW_CONFIGURATION_REPORT_4BYTE_V4_FRAME
ZW_CONFIGURATION_SET_1BYTE_V4_FRAME
ZW_CONFIGURATION_SET_2BYTE_V4_FRAME
ZW_CONFIGURATION_SET_3BYTE_V4_FRAME
ZW_CONFIGURATION_SET_4BYTE_V4_FRAME
ZW_CONFIGURATION_NAME_GET_V4_FRAME
ZW_CONFIGURATION_NAME_REPORT_1BYTE_V4_FRAME
ZW_CONFIGURATION_NAME_REPORT_2BYTE_V4_FRAME

ZW_ConfigurationGetV2Frame;\
ZW_ConfigurationReport1byteV2Frame;\
ZW_ConfigurationReport2byteV2Frame;\
ZW_ConfigurationReport3byteV2Frame;\
ZW_ConfigurationReport4byteV2Frame;\
ZW_ConfigurationSet1byteV2Frame;\
ZW_ConfigurationSet2byteV2Frame;\
ZW_ConfigurationSet3byteV2Frame;\
ZW_ConfigurationSet4byteV2Frame;\

ZW_ConfigurationBulkGetV3Frame;\
VG_ConfigurationBulkReport1byteV3VGroup;\
VG_ConfigurationBulkReport2byteV3VGroup;\
VG_ConfigurationBulkReport3byteV3VGroup;\
VG_ConfigurationBulkReport4byteV3VGroup;\
ZW_ConfigurationBulkReport1byteV3Frame;\
ZW_ConfigurationBulkReport2byteV3Frame;\
ZW_ConfigurationBulkReport3byteV3Frame;\
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_ConfigurationSet1byteV3Frame;\
ZW_ConfigurationSet2byteV3Frame;\
ZW_ConfigurationSet3byteV3Frame;\
ZW_ConfigurationSet4byteV3Frame;\
ZW_ConfigurationNameGetV3Frame;\
ZW_ConfigurationNameReport1byteV3Frame;\
ZW_ConfigurationNameReport2byteV3Frame;\
ZW_ConfigurationNameReport3byteV3Frame;\
ZW_ConfigurationNameReport4byteV3Frame;\
ZW_ConfigurationInfoGetV3Frame;\
ZW_ConfigurationInfoReport1byteV3Frame;\
ZW_ConfigurationInfoReport2byteV3Frame;\
ZW_ConfigurationInfoReport3byteV3Frame;\
ZW_ConfigurationInfoReport4byteV3Frame;\
ZW_ConfigurationPropertiesGetV3Frame;\
ZW_ConfigurationPropertiesReport1byteV3Frame;\
ZW_ConfigurationPropertiesReport2byteV3Frame;\
ZW_ConfigurationPropertiesReport3byteV3Frame;\
ZW_ConfigurationPropertiesReport4byteV3Frame;\

ZW_ConfigurationBulkGetV4Frame;\
VG_ConfigurationBulkReport1byteV4VGroup;\
VG_ConfigurationBulkReport2byteV4VGroup;\
VG_ConfigurationBulkReport3byteV4VGroup;\
VG_ConfigurationBulkReport4byteV4VGroup;\
ZW_ConfigurationBulkReport1byteV4Frame;\
ZW_ConfigurationBulkReport2byteV4Frame;\
ZW_ConfigurationBulkReport3byteV4Frame;\
ZW_ConfigurationBulkReport4byteV4Frame;\
VG_ConfigurationBulkSet1byteV4VGroup;\
VG_ConfigurationBulkSet2byteV4VGroup;\
VG_ConfigurationBulkSet3byteV4VGroup;\
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

#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
/* 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_3BYTE_FRAME
ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_4BYTE_FRAME
/* 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_4BYTE_FRAME
ZW_DCP_LIST_SUPPORTED_GET_FRAME
ZW_DCP_LIST_SUPPORTED_REPORT_FRAME
/* Command class Dcp Monitor */\
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
/* Command class Door Lock Logging */\
ZW_DOOR_LOCK_LOGGING_RECORDS_SUPPORTED_GET_FRAME
ZW_DOOR_LOCK_LOGGING_RECORDS_SUPPORTED_REPORT_FRAME
ZW_RECORD_GET_FRAME
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_DOOR_LOCK_CONFIGURATION_GET_FRAME
ZW_DOOR_LOCK_CONFIGURATION_REPORT_FRAME
ZW_DOOR_LOCK_CONFIGURATION_SET_FRAME
ZW_DOOR_LOCK_OPERATION_GET_FRAME
ZW_DOOR_LOCK_OPERATION_REPORT_FRAME
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_REPORT_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_OPERATION_GET_V3_FRAME
ZW_DOOR_LOCK_OPERATION_REPORT_V3_FRAME
ZW_DOOR_LOCK_OPERATION_SET_V3_FRAME
/* Command class Energy Production */\
ZW_ENERGY_PRODUCTION_GET_FRAME
ZW_ENERGY_PRODUCTION_REPORT_1BYTE_FRAME
ZW_ENERGY_PRODUCTION_REPORT_2BYTE_FRAME
ZW_ENERGY_PRODUCTION_REPORT_3BYTE_FRAME
ZW_ENERGY_PRODUCTION_REPORT_4BYTE_FRAME
/* Command class Firmware Update Md */\
ZW_FIRMWARE_MD_GET_FRAME

ZW_ConfigurationNameReport3byteV4Frame;\
ZW_ConfigurationNameReport4byteV4Frame;\
ZW_ConfigurationInfoGetV4Frame;\
ZW_ConfigurationInfoReport1byteV4Frame;\
ZW_ConfigurationInfoReport2byteV4Frame;\
ZW_ConfigurationInfoReport3byteV4Frame;\
ZW_ConfigurationInfoReport4byteV4Frame;\
ZW_ConfigurationPropertiesGetV4Frame;\
ZW_ConfigurationPropertiesReport1byteV4Frame;\
ZW_ConfigurationPropertiesReport2byteV4Frame;\
ZW_ConfigurationPropertiesReport3byteV4Frame;\
ZW_ConfigurationPropertiesReport4byteV4Frame;\
ZW_ConfigurationDefaultResetV4Frame;\
ZW_CtrlReplicationTransferGroupFrame;\
ZW_CtrlReplicationTransferGroupName1byteFrame;\
ZW_CtrlReplicationTransferGroupName2byteFrame;\
ZW_CtrlReplicationTransferGroupName3byteFrame;\
ZW_CtrlReplicationTransferGroupName4byteFrame;\
ZW_CtrlReplicationTransferSceneFrame;\
ZW_CtrlReplicationTransferSceneName1byteFrame;\
ZW_CtrlReplicationTransferSceneName2byteFrame;\
ZW_CtrlReplicationTransferSceneName3byteFrame;\
ZW_CtrlReplicationTransferSceneName4byteFrame;\
ZW_DcpListRemoveFrame;\
VG_DcpListSetVGroup;\
ZW_DcpListSet1byteFrame;\
ZW_DcpListSet2byteFrame;\
ZW_DcpListSet3byteFrame;\
ZW_DcpListSet4byteFrame;\
ZW_DcpListSupportedGetFrame;\
ZW_DcpListSupportedReportFrame;\
ZW_DcpEventStatusGetFrame;\
ZW_DcpEventStatusReportFrame;\
ZW_DcpListGetFrame;\
VG_DcpListReportVGroup;\
ZW_DcpListReport1byteFrame;\
ZW_DcpListReport2byteFrame;\
ZW_DcpListReport3byteFrame;\
ZW_DcpListReport4byteFrame;\
ZW_DoorLockLoggingRecordsSupportedGetFrame;\
ZW_DoorLockLoggingRecordsSupportedReportFrame;\
ZW_RecordGetFrame;\
ZW_RecordReport1byteFrame;\
ZW_RecordReport2byteFrame;\
ZW_RecordReport3byteFrame;\
ZW_RecordReport4byteFrame;\
ZW_DoorLockConfigurationGetFrame;\
ZW_DoorLockConfigurationReportFrame;\
ZW_DoorLockConfigurationSetFrame;\
ZW_DoorLockOperationGetFrame;\
ZW_DoorLockOperationReportFrame;\
ZW_DoorLockOperationSetFrame;\
ZW_DoorLockConfigurationGetV2Frame;\
ZW_DoorLockConfigurationReportV2Frame;\
ZW_DoorLockConfigurationSetV2Frame;\
ZW_DoorLockOperationGetV2Frame;\
ZW_DoorLockOperationReportV2Frame;\
ZW_DoorLockOperationSetV2Frame;\
ZW_DoorLockConfigurationGetV3Frame;\
ZW_DoorLockConfigurationReportV3Frame;\
ZW_DoorLockConfigurationSetV3Frame;\
ZW_DoorLockOperationGetV3Frame;\
ZW_DoorLockOperationReportV3Frame;\
ZW_DoorLockOperationSetV3Frame;\
ZW_EnergyProductionGetFrame;\
ZW_EnergyProductionReport1byteFrame;\
ZW_EnergyProductionReport2byteFrame;\
ZW_EnergyProductionReport3byteFrame;\
ZW_EnergyProductionReport4byteFrame;\
ZW_FirmwareMdGetFrame;\

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ZW_FIRMWARE_MD_REPORT_FRAME
ZW_FIRMWARE_UPDATE_MD_GET_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_FRAME
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_FIRMWARE_UPDATE_MD_STATUS_REPORT_FRAME
/* Command class Firmware Update Md V2 */\
ZW_FIRMWARE_MD_GET_V2_FRAME
ZW_FIRMWARE_MD_REPORT_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_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V2_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_V2_FRAME
ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V2_FRAME
ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V2_FRAME
ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V2_FRAME
/* Command class Firmware Update Md V3 */\
ZW_FIRMWARE_MD_GET_V3_FRAME
VG_FIRMWARE_MD_REPORT_V3_VG
ZW_FIRMWARE_MD_REPORT_1BYTE_V3_FRAME
ZW_FIRMWARE_MD_REPORT_2BYTE_V3_FRAME
ZW_FIRMWARE_MD_REPORT_3BYTE_V3_FRAME
ZW_FIRMWARE_MD_REPORT_4BYTE_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_4BYTE_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V3_FRAME
ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V3_FRAME
/* Command class Firmware Update Md V4 */\
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_2BYTE_V4_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V4_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_V4_FRAME
ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V4_FRAME
ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V4_FRAME
ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V4_FRAME
ZW_FIRMWARE_UPDATE_ACTIVATION_SET_V4_FRAME
ZW_FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_V4_FRAME
/* Command class Firmware Update Md V5 */\
ZW_FIRMWARE_MD_GET_V5_FRAME
VG_FIRMWARE_MD_REPORT_V5_VG
ZW_FIRMWARE_MD_REPORT_1BYTE_V5_FRAME
ZW_FIRMWARE_MD_REPORT_2BYTE_V5_FRAME
ZW_FIRMWARE_MD_REPORT_3BYTE_V5_FRAME
ZW_FIRMWARE_MD_REPORT_4BYTE_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_GET_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V5_FRAME
ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_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_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_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_GROUPING_NAME_GET_FRAME
ZW_GROUPING_NAME_REPORT_FRAME
ZW_GROUPING_NAME_SET_FRAME
/* Command class Hail */\
ZW_HAIL_FRAME

ZW_FirmwareMdReportFrame;\
ZW_FirmwareUpdateMdGetFrame;\
ZW_FirmwareUpdateMdReport1byteFrame;\
ZW_FirmwareUpdateMdReport2byteFrame;\
ZW_FirmwareUpdateMdReport3byteFrame;\
ZW_FirmwareUpdateMdReport4byteFrame;\
ZW_FirmwareUpdateMdRequestGetFrame;\
ZW_FirmwareUpdateMdRequestReportFrame;\
ZW_FirmwareUpdateMdStatusReportFrame;\

ZW_FirmwareMdGetV2Frame;\
ZW_FirmwareMdReportV2Frame;\
ZW_FirmwareUpdateMdGetV2Frame;\
ZW_FirmwareUpdateMdReport1byteV2Frame;\
ZW_FirmwareUpdateMdReport2byteV2Frame;\
ZW_FirmwareUpdateMdReport3byteV2Frame;\
ZW_FirmwareUpdateMdReport4byteV2Frame;\
ZW_FirmwareUpdateMdRequestGetV2Frame;\
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_FirmwareMdGetV4Frame;\
VG_FirmwareMdReportV4VGroup;\
ZW_FirmwareMdReport1byteV4Frame;\
ZW_FirmwareMdReport2byteV4Frame;\
ZW_FirmwareMdReport3byteV4Frame;\
ZW_FirmwareMdReport4byteV4Frame;\
ZW_FirmwareUpdateMdGetV4Frame;\
ZW_FirmwareUpdateMdReport1byteV4Frame;\
ZW_FirmwareUpdateMdReport2byteV4Frame;\
ZW_FirmwareUpdateMdReport3byteV4Frame;\
ZW_FirmwareUpdateMdReport4byteV4Frame;\
ZW_FirmwareUpdateMdRequestGetV4Frame;\
ZW_FirmwareUpdateMdRequestReportV4Frame;\
ZW_FirmwareUpdateMdStatusReportV4Frame;\
ZW_FirmwareUpdateActivationSetV4Frame;\
ZW_FirmwareUpdateActivationStatusReportV4Frame;\

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_FirmwareUpdateMdPrepareReportV5Frame;\

ZW_GeographicLocationGetFrame;\
ZW_GeographicLocationReportFrame;\
ZW_GeographicLocationSetFrame;\

ZW_GroupingNameGetFrame;\
ZW_GroupingNameReportFrame;\
ZW_GroupingNameSetFrame;\

ZW_HailFrame;\

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/* 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_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_3BYTE_FRAME
ZW_HRV_CONTROL_MODE_SUPPORTED_REPORT_4BYTE_FRAME
ZW_HRV_CONTROL_VENTILATION_RATE_GET_FRAME
ZW_HRV_CONTROL_VENTILATION_RATE_REPORT_FRAME
ZW_HRV_CONTROL_VENTILATION_RATE_SET_FRAME
/* Command class Hrv Status */\
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_4BYTE_FRAME
ZW_HRV_STATUS_SUPPORTED_GET_FRAME
ZW_HRV_STATUS_SUPPORTED_REPORT_1BYTE_FRAME
ZW_HRV_STATUS_SUPPORTED_REPORT_2BYTE_FRAME
ZW_HRV_STATUS_SUPPORTED_REPORT_3BYTE_FRAME
ZW_HRV_STATUS_SUPPORTED_REPORT_4BYTE_FRAME
/* Command class Indicator */\
ZW_INDICATOR_GET_FRAME
ZW_INDICATOR_REPORT_FRAME
ZW_INDICATOR_SET_FRAME
/* 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_INDICATOR_REPORT_4BYTE_V2_FRAME
VG_INDICATOR_SET_V2_VG
ZW_INDICATOR_SET_1BYTE_V2_FRAME
ZW_INDICATOR_SET_2BYTE_V2_FRAME
ZW_INDICATOR_SET_3BYTE_V2_FRAME
ZW_INDICATOR_SET_4BYTE_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
/* Command class Ip Configuration */\
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
/* Command class Language */\
ZW_LANGUAGE_GET_FRAME
ZW_LANGUAGE_REPORT_FRAME
ZW_LANGUAGE_SET_FRAME
/* Command class Lock */\
ZW_LOCK_GET_FRAME
ZW_LOCK_REPORT_FRAME
ZW_LOCK_SET_FRAME
/* Command class Manufacturer Specific */\
ZW_MANUFACTURER_SPECIFIC_GET_FRAME
ZW_MANUFACTURER_SPECIFIC_REPORT_FRAME
/* Command class Manufacturer Specific V2 */\
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_4BYTE_V2_FRAME
/* Command class Meter Pulse */\
ZW_METER_PULSE_GET_FRAME
ZW_METER_PULSE_REPORT_FRAME
/* Command class Meter Tbl Config */\
ZW_METER_TBL_TABLE_POINT_ADM_NO_SET_1BYTE_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_HrvControlBypassGetFrame;\
ZW_HrvControlBypassReportFrame;\
ZW_HrvControlBypassSetFrame;\
ZW_HrvControlModeGetFrame;\
ZW_HrvControlModeReportFrame;\
ZW_HrvControlModeSetFrame;\
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;\
ZW_IndicatorGetFrame;\
ZW_IndicatorReportFrame;\
ZW_IndicatorSetFrame;\
ZW_IndicatorGetV2Frame;\
VG_IndicatorReportV2VGroup;\
ZW_IndicatorReport1byteV2Frame;\
ZW_IndicatorReport2byteV2Frame;\
ZW_IndicatorReport3byteV2Frame;\
ZW_IndicatorReport4byteV2Frame;\
VG_IndicatorSetV2VGroup;\
ZW_IndicatorSet1byteV2Frame;\
ZW_IndicatorSet2byteV2Frame;\
ZW_IndicatorSet3byteV2Frame;\
ZW_IndicatorSet4byteV2Frame;\
ZW_IndicatorSupportedGetV2Frame;\
ZW_IndicatorSupportedReport1byteV2Frame;\
ZW_IndicatorSupportedReport2byteV2Frame;\
ZW_IndicatorSupportedReport3byteV2Frame;\
ZW_IndicatorSupportedReport4byteV2Frame;\
ZW_IpConfigurationGetFrame;\
ZW_IpConfigurationReleaseFrame;\
ZW_IpConfigurationRenewFrame;\
ZW_IpConfigurationReportFrame;\
ZW_IpConfigurationSetFrame;\
ZW_LanguageGetFrame;\
ZW_LanguageReportFrame;\
ZW_LanguageSetFrame;\
ZW_LockGetFrame;\
ZW_LockReportFrame;\
ZW_LockSetFrame;\
ZW_ManufacturerSpecificGetFrame;\
ZW_ManufacturerSpecificReportFrame;\
ZW_ManufacturerSpecificGetV2Frame;\
ZW_ManufacturerSpecificReportV2Frame;\
ZW_DeviceSpecificGetV2Frame;\
ZW_DeviceSpecificReport1byteV2Frame;\
ZW_DeviceSpecificReport2byteV2Frame;\
ZW_DeviceSpecificReport3byteV2Frame;\
ZW_DeviceSpecificReport4byteV2Frame;\
ZW_MeterPulseGetFrame;\
ZW_MeterPulseReportFrame;\
ZW_MeterTblTablePointAdmNoSet1byteFrame;\
ZW_MeterTblTablePointAdmNoSet2byteFrame;\
ZW_MeterTblTablePointAdmNoSet3byteFrame;\
ZW_MeterTblTablePointAdmNoSet4byteFrame;\

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VG_METER_TBL_STATUS_REPORT_VG
ZW_METER_TBL_STATUS_REPORT_1BYTE_FRAME
ZW_METER_TBL_STATUS_REPORT_2BYTE_FRAME
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_METER_TBL_STATUS_SUPPORTED_REPORT_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_HISTORICAL_DATA_GET_FRAME
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_REPORT_FRAME
ZW_METER_TBL_TABLE_CAPABILITY_GET_FRAME
ZW_METER_TBL_TABLE_ID_GET_FRAME
ZW_METER_TBL_TABLE_ID_REPORT_1BYTE_FRAME
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_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_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_METER_TBL_STATUS_REPORT_2BYTE_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
VG_METER_TBL_CURRENT_DATA_REPORT_V2_VG
ZW_METER_TBL_CURRENT_DATA_REPORT_1BYTE_V2_FRAME
ZW_METER_TBL_CURRENT_DATA_REPORT_2BYTE_V2_FRAME
ZW_METER_TBL_CURRENT_DATA_REPORT_3BYTE_V2_FRAME
ZW_METER_TBL_CURRENT_DATA_REPORT_4BYTE_V2_FRAME
ZW_METER_TBL_HISTORICAL_DATA_GET_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_2BYTE_V2_FRAME
ZW_METER_TBL_HISTORICAL_DATA_REPORT_3BYTE_V2_FRAME
ZW_METER_TBL_HISTORICAL_DATA_REPORT_4BYTE_V2_FRAME
ZW_METER_TBL_REPORT_V2_FRAME
ZW_METER_TBL_TABLE_CAPABILITY_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_2BYTE_V2_FRAME
ZW_METER_TBL_TABLE_ID_REPORT_3BYTE_V2_FRAME
ZW_METER_TBL_TABLE_ID_REPORT_4BYTE_V2_FRAME
ZW_METER_TBL_TABLE_POINT_ADM_NO_GET_V2_FRAME
ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_1BYTE_V2_FRAME
ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_2BYTE_V2_FRAME
ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_3BYTE_V2_FRAME
ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_4BYTE_V2_FRAME
/* Command class Meter Tbl Push */
ZW_METER_TBL_PUSH_CONFIGURATION_GET_FRAME
ZW_METER_TBL_PUSH_CONFIGURATION_REPORT_FRAME
ZW_METER_TBL_PUSH_CONFIGURATION_SET_FRAME
/* Command class Meter */
ZW_METER_GET_FRAME
ZW_METER_REPORT_1BYTE_FRAME
ZW_METER_REPORT_2BYTE_FRAME
ZW_METER_REPORT_3BYTE_FRAME
ZW_METER_REPORT_4BYTE_FRAME
/* Command class Meter V2 */
ZW_METER_GET_V2_FRAME
ZW_METER_REPORT_1BYTE_V2_FRAME
ZW_METER_REPORT_2BYTE_V2_FRAME

VG_MeterTblStatusReportVGGroup;
ZW_MeterTblStatusReport1byteFrame;
ZW_MeterTblStatusReport2byteFrame;
ZW_MeterTblStatusReport3byteFrame;
ZW_MeterTblStatusReport4byteFrame;
ZW_MeterTblStatusDateGetFrame;
ZW_MeterTblStatusDepthGetFrame;
ZW_MeterTblStatusSupportedGetFrame;
ZW_MeterTblStatusSupportedReportFrame;
ZW_MeterTblCurrentDataGetFrame;
VG_MeterTblCurrentDataReportVGGroup;
ZW_MeterTblCurrentDataReport1byteFrame;
ZW_MeterTblCurrentDataReport2byteFrame;
ZW_MeterTblCurrentDataReport3byteFrame;
ZW_MeterTblCurrentDataReport4byteFrame;
ZW_MeterTblHistoricalDataGetFrame;
VG_MeterTblHistoricalDataReportVGGroup;
ZW_MeterTblHistoricalDataReport1byteFrame;
ZW_MeterTblHistoricalDataReport2byteFrame;
ZW_MeterTblHistoricalDataReport3byteFrame;
ZW_MeterTblHistoricalDataReport4byteFrame;
ZW_MeterTblReportFrame;
ZW_MeterTblTableCapabilityGetFrame;
ZW_MeterTblTableIdGetFrame;
ZW_MeterTblTableIdReport1byteFrame;
ZW_MeterTblTableIdReport2byteFrame;
ZW_MeterTblTableIdReport3byteFrame;
ZW_MeterTblTableIdReport4byteFrame;
ZW_MeterTblTablePointAdmNoGetFrame;
ZW_MeterTblTablePointAdmNoReport1byteFrame;
ZW_MeterTblTablePointAdmNoReport2byteFrame;
ZW_MeterTblTablePointAdmNoReport3byteFrame;
ZW_MeterTblTablePointAdmNoReport4byteFrame;

VG_MeterTblStatusReportV2VGGroup;
ZW_MeterTblStatusReport1byteV2Frame;
ZW_MeterTblStatusReport2byteV2Frame;
ZW_MeterTblStatusReport3byteV2Frame;
ZW_MeterTblStatusReport4byteV2Frame;
ZW_MeterTblStatusDateGetV2Frame;
ZW_MeterTblStatusDepthGetV2Frame;
ZW_MeterTblStatusSupportedGetV2Frame;
ZW_MeterTblStatusSupportedReportV2Frame;
ZW_MeterTblCurrentDataGetV2Frame;
VG_MeterTblCurrentDataReportV2VGGroup;
ZW_MeterTblCurrentDataReport1byteV2Frame;
ZW_MeterTblCurrentDataReport2byteV2Frame;
ZW_MeterTblCurrentDataReport3byteV2Frame;
ZW_MeterTblCurrentDataReport4byteV2Frame;
ZW_MeterTblHistoricalDataGetV2Frame;
VG_MeterTblHistoricalDataReportV2VGGroup;
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_MeterTblPushConfigurationSetFrame;

ZW_MeterGetFrame;
ZW_MeterReport1byteFrame;
ZW_MeterReport2byteFrame;
ZW_MeterReport3byteFrame;
ZW_MeterReport4byteFrame;

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
/* 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_REPORT_4BYTE_V3_FRAME
ZW_METER_RESET_V3_FRAME
ZW_METER_SUPPORTED_GET_V3_FRAME
ZW_METER_SUPPORTED_REPORT_V3_FRAME
/* 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_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_2BYTE_V4_FRAME
ZW_METER_SUPPORTED_REPORT_3BYTE_V4_FRAME
ZW_METER_SUPPORTED_REPORT_4BYTE_V4_FRAME
/* Command class Mtp Window Covering */
ZW_MOVE_TO_POSITION_GET_FRAME
ZW_MOVE_TO_POSITION_REPORT_FRAME
ZW_MOVE_TO_POSITION_SET_FRAME
/* Command class Multi Channel Association V2 */
ZW_MULTI_CHANNEL_ASSOCIATION_GET_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_GROUPINGS_GET_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_GROUPINGS_REPORT_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_1BYTE_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_2BYTE_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_3BYTE_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_4BYTE_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_1BYTE_V2_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_2BYTE_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_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_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_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_MULTI_CHANNEL_ASSOCIATION_SET_1BYTE_V3_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_SET_2BYTE_V3_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_SET_3BYTE_V3_FRAME
ZW_MULTI_CHANNEL_ASSOCIATION_SET_4BYTE_V3_FRAME
/* Command class Multi Channel V2 */
ZW_MULTI_CHANNEL_CAPABILITY_GET_V2_FRAME
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
VG_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_2BYTE_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_REPORT_V2_FRAME
ZW_MULTI_INSTANCE_GET_V2_FRAME
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_MeterReport3byteV2Frame;
ZW_MeterReport4byteV2Frame;
ZW_MeterResetV2Frame;
ZW_MeterSupportedGetV2Frame;
ZW_MeterSupportedReportV2Frame;
ZW_MeterGetV3Frame;
ZW_MeterReport1byteV3Frame;
ZW_MeterReport2byteV3Frame;
ZW_MeterReport3byteV3Frame;
ZW_MeterReport4byteV3Frame;
ZW_MeterResetV3Frame;
ZW_MeterSupportedGetV3Frame;
ZW_MeterSupportedReportV3Frame;
ZW_MeterGetV4Frame;
ZW_MeterReport1byteV4Frame;
ZW_MeterReport2byteV4Frame;
ZW_MeterReport3byteV4Frame;
ZW_MeterReport4byteV4Frame;
ZW_MeterResetV4Frame;
ZW_MeterSupportedGetV4Frame;
ZW_MeterSupportedReport1byteV4Frame;
ZW_MeterSupportedReport2byteV4Frame;
ZW_MeterSupportedReport3byteV4Frame;
ZW_MeterSupportedReport4byteV4Frame;
ZW_MoveToPositionGetFrame;
ZW_MoveToPositionReportFrame;
ZW_MoveToPositionSetFrame;
ZW_MultiChannelAssociationGetV2Frame;
ZW_MultiChannelAssociationGroupingsGetV2Frame;
ZW_MultiChannelAssociationGroupingsReportV2Frame;
ZW_MultiChannelAssociationRemove1byteV2Frame;
ZW_MultiChannelAssociationRemove2byteV2Frame;
ZW_MultiChannelAssociationRemove3byteV2Frame;
ZW_MultiChannelAssociationRemove4byteV2Frame;
ZW_MultiChannelAssociationReport1byteV2Frame;
ZW_MultiChannelAssociationReport2byteV2Frame;
ZW_MultiChannelAssociationReport3byteV2Frame;
ZW_MultiChannelAssociationReport4byteV2Frame;
ZW_MultiChannelAssociationSet1byteV2Frame;
ZW_MultiChannelAssociationSet2byteV2Frame;
ZW_MultiChannelAssociationSet3byteV2Frame;
ZW_MultiChannelAssociationSet4byteV2Frame;
ZW_MultiChannelAssociationGetV3Frame;
ZW_MultiChannelAssociationGroupingsGetV3Frame;
ZW_MultiChannelAssociationGroupingsReportV3Frame;
ZW_MultiChannelAssociationRemove1byteV3Frame;
ZW_MultiChannelAssociationRemove2byteV3Frame;
ZW_MultiChannelAssociationRemove3byteV3Frame;
ZW_MultiChannelAssociationRemove4byteV3Frame;
ZW_MultiChannelAssociationReport1byteV3Frame;
ZW_MultiChannelAssociationReport2byteV3Frame;
ZW_MultiChannelAssociationReport3byteV3Frame;
ZW_MultiChannelAssociationReport4byteV3Frame;
ZW_MultiChannelAssociationSet1byteV3Frame;
ZW_MultiChannelAssociationSet2byteV3Frame;
ZW_MultiChannelAssociationSet3byteV3Frame;
ZW_MultiChannelAssociationSet4byteV3Frame;
ZW_MultiChannelCapabilityGetV2Frame;
ZW_MultiChannelCapabilityReport1byteV2Frame;
ZW_MultiChannelCapabilityReport2byteV2Frame;
ZW_MultiChannelCapabilityReport3byteV2Frame;
ZW_MultiChannelCapabilityReport4byteV2Frame;
ZW_MultiChannelEndPointFindV2Frame;
VG_MultiChannelEndPointFindReportV2VGGroup;
ZW_MultiChannelEndPointFindReport1byteV2Frame;
ZW_MultiChannelEndPointFindReport2byteV2Frame;
ZW_MultiChannelEndPointFindReport3byteV2Frame;
ZW_MultiChannelEndPointFindReport4byteV2Frame;
ZW_MultiChannelEndPointGetV2Frame;
ZW_MultiChannelEndPointReportV2Frame;
ZW_MultiInstanceGetV2Frame;
ZW_MultiInstanceReportV2Frame;
ZW_MultiChannelCapabilityGetV3Frame;
ZW_MultiChannelCapabilityReport1byteV3Frame;

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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

#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
/* 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_CAPABILITY_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_4BYTE_V4_FRAME
ZW_MULTI_CHANNEL_END_POINT_GET_V4_FRAME
ZW_MULTI_CHANNEL_END_POINT_REPORT_V4_FRAME
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_MultiChannelAggregatedMembersReport1byteV4Frame;\
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_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_MULTI_INSTANCE_ASSOCIATION_REMOVE_3BYTE_FRAME
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_REPORT_4BYTE_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_4BYTE_FRAME
/* Command class Multi Instance */\
ZW_MULTI_INSTANCE_GET_FRAME
ZW_MULTI_INSTANCE_REPORT_FRAME
/* Command class Network Management Proxy */\
ZW_NODE_INFO_CACHED_GET_FRAME
ZW_NODE_INFO_CACHED_REPORT_1BYTE_FRAME
ZW_NODE_INFO_CACHED_REPORT_2BYTE_FRAME
ZW_NODE_INFO_CACHED_REPORT_3BYTE_FRAME
ZW_NODE_INFO_CACHED_REPORT_4BYTE_FRAME
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
/* Command class Network Management Proxy V2 */\
ZW_NODE_INFO_CACHED_GET_V2_FRAME
ZW_NODE_INFO_CACHED_REPORT_1BYTE_V2_FRAME
ZW_NODE_INFO_CACHED_REPORT_2BYTE_V2_FRAME
ZW_NODE_INFO_CACHED_REPORT_3BYTE_V2_FRAME
ZW_NODE_INFO_CACHED_REPORT_4BYTE_V2_FRAME
ZW_NODE_LIST_GET_V2_FRAME
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_MultiChannelCapabilityReport2byteV3Frame;\
ZW_MultiChannelCapabilityReport3byteV3Frame;\
ZW_MultiChannelCapabilityReport4byteV3Frame;\
ZW_MultiChannelEndPointFindV3Frame;\
VG_MultiChannelEndPointFindReportV3VGroup;\
ZW_MultiChannelEndPointFindReport1byteV3Frame;\
ZW_MultiChannelEndPointFindReport2byteV3Frame;\
ZW_MultiChannelEndPointFindReport3byteV3Frame;\
ZW_MultiChannelEndPointFindReport4byteV3Frame;\
ZW_MultiChannelEndPointGetV3Frame;\
ZW_MultiChannelEndPointReportV3Frame;\
ZW_MultiInstanceGetV3Frame;\
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_MultiInstanceGetV4Frame;\
ZW_MultiInstanceReportV4Frame;\
ZW_MultiChannelAggregatedMembersGetV4Frame;\
ZW_MultiInstanceAssociationGetFrame;\
ZW_MultiInstanceAssociationGroupingsGetFrame;\
ZW_MultiInstanceAssociationGroupingsReportFrame;\
ZW_MultiInstanceAssociationRemove1byteFrame;\
ZW_MultiInstanceAssociationRemove2byteFrame;\
ZW_MultiInstanceAssociationRemove3byteFrame;\
ZW_MultiInstanceAssociationRemove4byteFrame;\
ZW_MultiInstanceAssociationReport1byteFrame;\
ZW_MultiInstanceAssociationReport2byteFrame;\
ZW_MultiInstanceAssociationReport3byteFrame;\
ZW_MultiInstanceAssociationReport4byteFrame;\
ZW_MultiInstanceAssociationSet1byteFrame;\
ZW_MultiInstanceAssociationSet2byteFrame;\
ZW_MultiInstanceAssociationSet3byteFrame;\
ZW_MultiInstanceAssociationSet4byteFrame;\
ZW_MultiInstanceGetFrame;\
ZW_MultiInstanceReportFrame;\
ZW_NodeInfoCachedGetFrame;\
ZW_NodeInfoCachedReport1byteFrame;\
ZW_NodeInfoCachedReport2byteFrame;\
ZW_NodeInfoCachedReport3byteFrame;\
ZW_NodeInfoCachedReport4byteFrame;\
ZW_NodeListGetFrame;\
ZW_NodeListReport1byteFrame;\
ZW_NodeListReport2byteFrame;\
ZW_NodeListReport3byteFrame;\
ZW_NodeListReport4byteFrame;\
ZW_NodeInfoCachedGetV2Frame;\
ZW_NodeInfoCachedReport1byteV2Frame;\
ZW_NodeInfoCachedReport2byteV2Frame;\
ZW_NodeInfoCachedReport3byteV2Frame;\
ZW_NodeInfoCachedReport4byteV2Frame;\
ZW_NodeListGetV2Frame;\
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_NETWORK_UPDATE_REQUEST_FRAME
ZW_NETWORK_UPDATE_REQUEST_STATUS_FRAME
ZW_DEFAULT_SET_FRAME
ZW_DEFAULT_SET_COMPLETE_FRAME
/* Command class Network Management Basic V2 */\
ZW_LEARN_MODE_SET_V2_FRAME
ZW_LEARN_MODE_SET_STATUS_V2_FRAME
ZW_NODE_INFORMATION_SEND_V2_FRAME
ZW_NETWORK_UPDATE_REQUEST_V2_FRAME
ZW_NETWORK_UPDATE_REQUEST_STATUS_V2_FRAME
ZW_DEFAULT_SET_V2_FRAME
ZW_DEFAULT_SET_COMPLETE_V2_FRAME
ZW_DSK_GET_V2_FRAME
ZW_DSK_REPORT_V2_FRAME
/* Command class Network Management Inclusion */\
ZW_FAILED_NODE_REMOVE_FRAME
ZW_FAILED_NODE_REMOVE_STATUS_FRAME
ZW_NODE_ADD_FRAME
ZW_NODE_ADD_STATUS_1BYTE_FRAME
ZW_NODE_ADD_STATUS_2BYTE_FRAME
ZW_NODE_ADD_STATUS_3BYTE_FRAME
ZW_NODE_ADD_STATUS_4BYTE_FRAME
ZW_NODE_REMOVE_FRAME
ZW_NODE_REMOVE_STATUS_FRAME
ZW_FAILED_NODE_REPLACE_FRAME
ZW_FAILED_NODE_REPLACE_STATUS_FRAME
ZW_NODE_NEIGHBOR_UPDATE_REQUEST_FRAME
ZW_NODE_NEIGHBOR_UPDATE_STATUS_FRAME
ZW_RETURN_ROUTE_ASSIGN_FRAME
ZW_RETURN_ROUTE_ASSIGN_COMPLETE_FRAME
ZW_RETURN_ROUTE_DELETE_FRAME
ZW_RETURN_ROUTE_DELETE_COMPLETE_FRAME
/* Command class Network Management Inclusion V2 */\
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_4BYTE_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_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_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_2BYTE_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_NAME_GET_FRAME
ZW_NODE_NAMING_NODE_NAME_REPORT_FRAME
ZW_NODE_NAMING_NODE_NAME_SET_FRAME
/* Command class Powerlevel */\
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_CMD_ENCAPSULATION_1BYTE_FRAME
ZW_CMD_ENCAPSULATION_2BYTE_FRAME
ZW_CMD_ENCAPSULATION_3BYTE_FRAME
ZW_CMD_ENCAPSULATION_4BYTE_FRAME
/* Command class Prepayment */\
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_FailedNodeRemoveFrame;\
ZW_FailedNodeRemoveStatusFrame;\
ZW_NodeAddFrame;\
ZW_NodeAddStatus1byteFrame;\
ZW_NodeAddStatus2byteFrame;\
ZW_NodeAddStatus3byteFrame;\
ZW_NodeAddStatus4byteFrame;\
ZW_NodeRemoveFrame;\
ZW_NodeRemoveStatusFrame;\
ZW_FailedNodeReplaceFrame;\
ZW_FailedNodeReplaceStatusFrame;\
ZW_NodeNeighborUpdateRequestFrame;\
ZW_NodeNeighborUpdateStatusFrame;\
ZW_ReturnRouteAssignFrame;\
ZW_ReturnRouteAssignCompleteFrame;\
ZW_ReturnRouteDeleteFrame;\
ZW_ReturnRouteDeleteCompleteFrame;\
ZW_FailedNodeRemoveV2Frame;\
ZW_FailedNodeRemoveStatusV2Frame;\
ZW_NodeAddV2Frame;\
ZW_NodeAddStatus1byteV2Frame;\
ZW_NodeAddStatus2byteV2Frame;\
ZW_NodeAddStatus3byteV2Frame;\
ZW_NodeAddStatus4byteV2Frame;\
ZW_NodeRemoveV2Frame;\
ZW_NodeRemoveStatusV2Frame;\
ZW_FailedNodeReplaceV2Frame;\
ZW_FailedNodeReplaceStatusV2Frame;\
ZW_NodeNeighborUpdateRequestV2Frame;\
ZW_NodeNeighborUpdateStatusV2Frame;\
ZW_ReturnRouteAssignV2Frame;\
ZW_ReturnRouteAssignCompleteV2Frame;\
ZW_ReturnRouteDeleteV2Frame;\
ZW_ReturnRouteDeleteCompleteV2Frame;\
ZW_NodeAddKeysReportV2Frame;\
ZW_NodeAddKeysSetV2Frame;\
ZW_NodeAddDskReportV2Frame;\
ZW_NodeAddDskSet1byteV2Frame;\
ZW_NodeAddDskSet2byteV2Frame;\
ZW_NodeAddDskSet3byteV2Frame;\
ZW_NodeAddDskSet4byteV2Frame;\
ZW_NodeNamingNodeLocationReportFrame;\
ZW_NodeNamingNodeLocationSetFrame;\
ZW_NodeNamingNodeLocationGetFrame;\
ZW_NodeNamingNodeNameGetFrame;\
ZW_NodeNamingNodeNameReportFrame;\
ZW_NodeNamingNodeNameSetFrame;\
ZW_PowerlevelGetFrame;\
ZW_PowerlevelReportFrame;\
ZW_PowerlevelSetFrame;\
ZW_PowerlevelTestNodeGetFrame;\
ZW_PowerlevelTestNodeReportFrame;\
ZW_PowerlevelTestNodeSetFrame;\
ZW_CmdEncapsulation1byteFrame;\
ZW_CmdEncapsulation2byteFrame;\
ZW_CmdEncapsulation3byteFrame;\
ZW_CmdEncapsulation4byteFrame;\

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ZW_PREPAYMENT_BALANCE_GET_FRAME
ZW_PREPAYMENT_BALANCE_REPORT_FRAME
ZW_PREPAYMENT_SUPPORTED_GET_FRAME
ZW_PREPAYMENT_SUPPORTED_REPORT_FRAME
/* Command class Proprietary */\
ZW_PROPRIETARY_GET_1BYTE_FRAME
ZW_PROPRIETARY_GET_2BYTE_FRAME
ZW_PROPRIETARY_GET_3BYTE_FRAME
ZW_PROPRIETARY_GET_4BYTE_FRAME
ZW_PROPRIETARY_REPORT_1BYTE_FRAME
ZW_PROPRIETARY_REPORT_2BYTE_FRAME
ZW_PROPRIETARY_REPORT_3BYTE_FRAME
ZW_PROPRIETARY_REPORT_4BYTE_FRAME
ZW_PROPRIETARY_SET_1BYTE_FRAME
ZW_PROPRIETARY_SET_2BYTE_FRAME
ZW_PROPRIETARY_SET_3BYTE_FRAME
ZW_PROPRIETARY_SET_4BYTE_FRAME
/* Command class Protection */\
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_REPORT_V2_FRAME
ZW_PROTECTION_EC_SET_V2_FRAME
ZW_PROTECTION_GET_V2_FRAME
ZW_PROTECTION_REPORT_V2_FRAME
ZW_PROTECTION_SET_V2_FRAME
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_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_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_GET_FRAME
VG_RATE_TBL_CURRENT_DATA_REPORT_VG
ZW_RATE_TBL_CURRENT_DATA_REPORT_1BYTE_FRAME
ZW_RATE_TBL_CURRENT_DATA_REPORT_2BYTE_FRAME
ZW_RATE_TBL_CURRENT_DATA_REPORT_3BYTE_FRAME
ZW_RATE_TBL_CURRENT_DATA_REPORT_4BYTE_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_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_REMOTE_ASSOCIATION_ACTIVATE_FRAME
/* Command class Remote Association */\
ZW_REMOTE_ASSOCIATION_CONFIGURATION_GET_FRAME
ZW_REMOTE_ASSOCIATION_CONFIGURATION_REPORT_FRAME
ZW_REMOTE_ASSOCIATION_CONFIGURATION_SET_FRAME
/* Command class Scene Activation */\
ZW_SCENE_ACTIVATION_SET_FRAME
/* 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_CONTROLLER_CONF_GET_FRAME
ZW_SCENE_CONTROLLER_CONF_REPORT_FRAME
ZW_SCENE_CONTROLLER_CONF_SET_FRAME
/* Command class Schedule Entry Lock */\
ZW_ScheduleEntryLockGetFrame;\
ZW_ScheduleEntryLockReportFrame;\
ZW_ScheduleEntryLockSetFrame;\
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_ProtectionReportFrame;\
ZW_ProtectionSetFrame;\
ZW_ProtectionEcGetV2Frame;\
ZW_ProtectionEcReportV2Frame;\
ZW_ProtectionEcSetV2Frame;\
ZW_ProtectionGetV2Frame;\
ZW_ProtectionReportV2Frame;\
ZW_ProtectionSetV2Frame;\
ZW_ProtectionSupportedGetV2Frame;\
ZW_ProtectionSupportedReportV2Frame;\
ZW_ProtectionTimeoutGetV2Frame;\
ZW_ProtectionTimeoutReportV2Frame;\
ZW_ProtectionTimeoutSetV2Frame;\
ZW_RateTblRemove1byteFrame;\
ZW_RateTblRemove2byteFrame;\
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_RateTblGetFrame;\
ZW_RateTblHistoricalDataGetFrame;\
VG_RateTblHistoricalDataReportVGroup;\
ZW_RateTblHistoricalDataReport1byteFrame;\
ZW_RateTblHistoricalDataReport2byteFrame;\
ZW_RateTblHistoricalDataReport3byteFrame;\
ZW_RateTblHistoricalDataReport4byteFrame;\
ZW_RateTblReport1byteFrame;\
ZW_RateTblReport2byteFrame;\
ZW_RateTblReport3byteFrame;\
ZW_RateTblReport4byteFrame;\
ZW_RateTblSupportedGetFrame;\
ZW_RateTblSupportedReportFrame;\
ZW_RemoteAssociationActivateFrame;\
ZW_RemoteAssociationConfigurationGetFrame;\
ZW_RemoteAssociationConfigurationReportFrame;\
ZW_RemoteAssociationConfigurationSetFrame;\
ZW_SceneActivationSetFrame;\
ZW_SceneActuatorConfGetFrame;\
ZW_SceneActuatorConfReportFrame;\
ZW_SceneActuatorConfSetFrame;\
ZW_SceneControllerConfGetFrame;\
ZW_SceneControllerConfReportFrame;\
ZW_SceneControllerConfSetFrame;\

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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_REPORT_FRAME
ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_FRAME
ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_FRAME
ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_FRAME
ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_FRAME
ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_FRAME
ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_REPORT_FRAME
/* Command class Schedule Entry Lock V2 */
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_WEEK_DAY_GET_V2_FRAME
ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_V2_FRAME
ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_V2_FRAME
ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_V2_FRAME
ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_V2_FRAME
ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_V2_FRAME
ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_V2_FRAME
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_SET_V3_FRAME
ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_V3_FRAME
ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_V3_FRAME
ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_V3_FRAME
ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_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_REPORT_V3_FRAME
ZW_SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_SET_V3_FRAME
/* Command class Screen Attributes */
ZW_SCREEN_ATTRIBUTES_GET_FRAME
ZW_SCREEN_ATTRIBUTES_REPORT_FRAME
/* Command class Screen Attributes V2 */
ZW_SCREEN_ATTRIBUTES_GET_V2_FRAME
ZW_SCREEN_ATTRIBUTES_REPORT_V2_FRAME
/* 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_4BYTE_VG
ZW_SCREEN_MD_REPORT_1BYTE_FRAME
ZW_SCREEN_MD_REPORT_2BYTE_FRAME
ZW_SCREEN_MD_REPORT_3BYTE_FRAME
ZW_SCREEN_MD_REPORT_4BYTE_FRAME
/* 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_4BYTE_V2_FRAME
/* Command class Security Panel Mode */
ZW_SECURITY_PANEL_MODE_GET_FRAME
ZW_SECURITY_PANEL_MODE_REPORT_FRAME
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_CommandClassSecurityPanelZoneSensorInstalledReportFrame;
ZW_SECURITY_PANEL_ZONE_SENSOR_TYPE_GET_FRAME
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_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_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;

ZW_ScreenAttributesGetFrame;
ZW_ScreenAttributesReportFrame;

ZW_ScreenAttributesGetV2Frame;
ZW_ScreenAttributesReportV2Frame;

ZW_ScreenMdGetFrame;
VG_ScreenMdReport1byteVGroup;
VG_ScreenMdReport2byteVGroup;
VG_ScreenMdReport3byteVGroup;
VG_ScreenMdReport4byteVGroup;
ZW_ScreenMdReport1byteFrame;
ZW_ScreenMdReport2byteFrame;
ZW_ScreenMdReport3byteFrame;
ZW_ScreenMdReport4byteFrame;

ZW_ScreenMdGetV2Frame;
VG_ScreenMdReport1byteV2VGroup;
VG_ScreenMdReport2byteV2VGroup;
VG_ScreenMdReport3byteV2VGroup;
VG_ScreenMdReport4byteV2VGroup;
ZW_ScreenMdReport1byteV2Frame;
ZW_ScreenMdReport2byteV2Frame;
ZW_ScreenMdReport3byteV2Frame;
ZW_ScreenMdReport4byteV2Frame;

ZW_SecurityPanelModeGetFrame;
ZW_SecurityPanelModeReportFrame;
ZW_SecurityPanelModeSetFrame;
ZW_SecurityPanelModeSupportedGetFrame;
ZW_SecurityPanelModeSupportedReportFrame;

ZW_SecurityPanelZoneSensorTypeGetFrame;
ZW_SecurityPanelZoneSensorTypeReportFrame;
ZW_SecurityPanelZoneSensorInstalledGetFrame;
ZW_SecurityPanelZoneSensorStateGetFrame;
ZW_SecurityPanelZoneSensorStateReportFrame;

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/* 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
/* 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_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_4BYTE_FRAME
ZW_SECURITY_MESSAGE_ENCAPSULATION_1BYTE_FRAME
ZW_SECURITY_MESSAGE_ENCAPSULATION_2BYTE_FRAME
ZW_SECURITY_MESSAGE_ENCAPSULATION_3BYTE_FRAME
ZW_SECURITY_MESSAGE_ENCAPSULATION_4BYTE_FRAME
ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_1BYTE_FRAME
ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_2BYTE_FRAME
ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_3BYTE_FRAME
ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_4BYTE_FRAME
ZW_SECURITY_NONCE_GET_FRAME
ZW_SECURITY_NONCE_REPORT_FRAME
ZW_SECURITY_SCHEME_GET_FRAME
ZW_SECURITY_SCHEME_INHERIT_FRAME
ZW_SECURITY_SCHEME_REPORT_FRAME
/* 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_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
/* 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_2BYTE_FRAME
ZW_SENSOR_TRIGGER_LEVEL_SET_3BYTE_FRAME
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_2BYTE_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_FRAME
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_2BYTE_V2_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V2_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V2_FRAME
/* Command class Sensor Multilevel V3 */\
ZW_SENSOR_MULTILEVEL_GET_V3_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V3_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V3_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V3_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V3_FRAME
/* Command class Sensor Multilevel V4 */\
ZW_SENSOR_MULTILEVEL_GET_V4_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V4_FRAME

ZW_SecurityPanelZoneNumberSupportedGetFrame;\
ZW_SecurityPanelZoneStateGetFrame;\
ZW_SecurityPanelZoneStateReportFrame;\
ZW_SecurityPanelZoneSupportedReportFrame;\
ZW_SecurityPanelZoneTypeGetFrame;\
ZW_SecurityPanelZoneTypeReportFrame;\

ZW_NetworkKeySet1byteFrame;\
ZW_NetworkKeySet2byteFrame;\
ZW_NetworkKeySet3byteFrame;\
ZW_NetworkKeySet4byteFrame;\
ZW_NetworkKeyVerifyFrame;\
ZW_SecurityCommandsSupportedGetFrame;\
ZW_SecurityCommandsSupportedReport1byteFrame;\
ZW_SecurityCommandsSupportedReport2byteFrame;\
ZW_SecurityCommandsSupportedReport3byteFrame;\
ZW_SecurityCommandsSupportedReport4byteFrame;\
ZW_SecurityMessageEncapsulation1byteFrame;\
ZW_SecurityMessageEncapsulation2byteFrame;\
ZW_SecurityMessageEncapsulation3byteFrame;\
ZW_SecurityMessageEncapsulation4byteFrame;\
ZW_SecurityMessageEncapsulationNonceGet1byteFrame;\
ZW_SecurityMessageEncapsulationNonceGet2byteFrame;\
ZW_SecurityMessageEncapsulationNonceGet3byteFrame;\
ZW_SecurityMessageEncapsulationNonceGet4byteFrame;\
ZW_SecurityNonceGetFrame;\
ZW_SecurityNonceReportFrame;\
ZW_SecuritySchemeGetFrame;\
ZW_SecuritySchemeInheritFrame;\
ZW_SecuritySchemeReportFrame;\

ZW_SensorAlarmGetFrame;\
ZW_SensorAlarmReportFrame;\
ZW_SensorAlarmSupportedGetFrame;\
ZW_SensorAlarmSupportedReport1byteFrame;\
ZW_SensorAlarmSupportedReport2byteFrame;\
ZW_SensorAlarmSupportedReport3byteFrame;\
ZW_SensorAlarmSupportedReport4byteFrame;\

ZW_SensorBinaryGetFrame;\
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_SensorMultilevelGetFrame;\
ZW_SensorMultilevelReport1byteFrame;\
ZW_SensorMultilevelReport2byteFrame;\
ZW_SensorMultilevelReport3byteFrame;\
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_SENSOR_MULTILEVEL_REPORT_3BYTE_V4_FRAME
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

#define ZW_FRAME_COLLECTION_MACRO3\
ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V5_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V5_FRAME
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_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V5_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V5_FRAME
ZW_SensorMultilevelSupportedGetScaleV5Frame;\
ZW_SensorMultilevelSupportedScaleReportV5Frame;\

/* 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_SUPPORTED_GET_SENSOR_V6_FRAME
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_SCALE_REPORT_V6_FRAME
ZW_SensorMultilevelSupportedGetScaleV6Frame;\
ZW_SensorMultilevelSupportedScaleReportV6Frame;\

/* Command class Sensor Multilevel V7 */\
ZW_SENSOR_MULTILEVEL_GET_V7_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V7_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V7_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V7_FRAME
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V7_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V7_FRAME
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V7_FRAME
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_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_SensorMultilevelSupportedSensorReport1byteV8Frame;\
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_SCALE_REPORT_V8_FRAME
ZW_SensorMultilevelSupportedGetScaleV8Frame;\
ZW_SensorMultilevelSupportedScaleReportV8Frame;\

/* 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_SUPPORTED_GET_SENSOR_V9_FRAME

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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_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V9_FRAME
ZW_SensorMultilevelSupportedGetScaleV9Frame;\
ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V9_FRAME
ZW_SensorMultilevelSupportedScaleReportV9Frame;\
/* Command class Sensor Multilevel V10 */\
ZW_SENSOR_MULTILEVEL_GET_V10_FRAME
ZW_SensorMultilevelGetV10Frame;\
ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V10_FRAME
ZW_SensorMultilevelReport1byteV10Frame;\
ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V10_FRAME
ZW_SensorMultilevelReport2byteV10Frame;\
ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V10_FRAME
ZW_SensorMultilevelReport3byteV10Frame;\
ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V10_FRAME
ZW_SensorMultilevelReport4byteV10Frame;\
ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V10_FRAME
ZW_SensorMultilevelSupportedGetSensorV10Frame;\
ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V10_FRAME
ZW_SensorMultilevelSupportedSensorReport1byteV10Frame;\
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_SensorMultilevelSupportedGetScaleV10Frame;\
ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V10_FRAME
ZW_SensorMultilevelSupportedScaleReportV10Frame;\
/* Command class Silence Alarm */\
ZW_SENSOR_ALARM_SET_1BYTE_FRAME
ZW_SensorAlarmSet1byteFrame;\
ZW_SENSOR_ALARM_SET_2BYTE_FRAME
ZW_SensorAlarmSet2byteFrame;\
ZW_SENSOR_ALARM_SET_3BYTE_FRAME
ZW_SensorAlarmSet3byteFrame;\
ZW_SENSOR_ALARM_SET_4BYTE_FRAME
ZW_SensorAlarmSet4byteFrame;\
/* Command class Simple Av Control */\
ZW_SIMPLE_AV_CONTROL_GET_FRAME
ZW_SimpleAvControlGetFrame;\
ZW_SIMPLE_AV_CONTROL_REPORT_FRAME
ZW_SimpleAvControlReportFrame;\
VG_SIMPLE_AV_CONTROL_SET_VG
VG_SimpleAvControlSetVGroup;\
ZW_SIMPLE_AV_CONTROL_SET_1BYTE_FRAME
ZW_SimpleAvControlSet1byteFrame;\
ZW_SIMPLE_AV_CONTROL_SET_2BYTE_FRAME
ZW_SimpleAvControlSet2byteFrame;\
ZW_SIMPLE_AV_CONTROL_SET_3BYTE_FRAME
ZW_SimpleAvControlSet3byteFrame;\
ZW_SIMPLE_AV_CONTROL_SET_4BYTE_FRAME
ZW_SimpleAvControlSet4byteFrame;\
ZW_SIMPLE_AV_CONTROL_SUPPORTED_GET_FRAME
ZW_SimpleAvControlSupportedGetFrame;\
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_1BYTE_FRAME
ZW_SimpleAvControlSupportedReport1byteFrame;\
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_2BYTE_FRAME
ZW_SimpleAvControlSupportedReport2byteFrame;\
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_3BYTE_FRAME
ZW_SimpleAvControlSupportedReport3byteFrame;\
ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_4BYTE_FRAME
ZW_SimpleAvControlSupportedReport4byteFrame;\
/* Command class Switch All */\
ZW_SWITCH_ALL_GET_FRAME
ZW_SwitchAllGetFrame;\
ZW_SWITCH_ALL_OFF_FRAME
ZW_SwitchAllOffFrame;\
ZW_SWITCH_ALL_ON_FRAME
ZW_SwitchAllOnFrame;\
ZW_SWITCH_ALL_REPORT_FRAME
ZW_SwitchAllReportFrame;\
ZW_SWITCH_ALL_SET_FRAME
ZW_SwitchAllSetFrame;\
/* Command class Switch Binary */\
ZW_SWITCH_BINARY_GET_FRAME
ZW_SwitchBinaryGetFrame;\
ZW_SWITCH_BINARY_REPORT_FRAME
ZW_SwitchBinaryReportFrame;\
ZW_SWITCH_BINARY_SET_FRAME
ZW_SwitchBinarySetFrame;\
/* Command class Switch Binary V2 */\
ZW_SWITCH_BINARY_GET_V2_FRAME
ZW_SwitchBinaryGetV2Frame;\
ZW_SWITCH_BINARY_REPORT_V2_FRAME
ZW_SwitchBinaryReportV2Frame;\
ZW_SWITCH_BINARY_SET_V2_FRAME
ZW_SwitchBinarySetV2Frame;\
/* Command class Switch Multilevel */\
ZW_SWITCH_MULTILEVEL_GET_FRAME
ZW_SwitchMultilevelGetFrame;\
ZW_SWITCH_MULTILEVEL_REPORT_FRAME
ZW_SwitchMultilevelReportFrame;\
ZW_SWITCH_MULTILEVEL_SET_FRAME
ZW_SwitchMultilevelSetFrame;\
ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_FRAME
ZW_SwitchMultilevelStartLevelChangeFrame;\
ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_FRAME
ZW_SwitchMultilevelStopLevelChangeFrame;\
/* Command class Switch Multilevel V2 */\
ZW_SWITCH_MULTILEVEL_GET_V2_FRAME
ZW_SwitchMultilevelGetV2Frame;\
ZW_SWITCH_MULTILEVEL_REPORT_V2_FRAME
ZW_SwitchMultilevelReportV2Frame;\
ZW_SWITCH_MULTILEVEL_SET_V2_FRAME
ZW_SwitchMultilevelSetV2Frame;\
ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V2_FRAME
ZW_SwitchMultilevelStartLevelChangeV2Frame;\
ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V2_FRAME
ZW_SwitchMultilevelStopLevelChangeV2Frame;\
/* Command class Switch Multilevel V3 */\
ZW_SWITCH_MULTILEVEL_GET_V3_FRAME
ZW_SwitchMultilevelGetV3Frame;\
ZW_SWITCH_MULTILEVEL_REPORT_V3_FRAME
ZW_SwitchMultilevelReportV3Frame;\
ZW_SWITCH_MULTILEVEL_SET_V3_FRAME
ZW_SwitchMultilevelSetV3Frame;\
ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V3_FRAME
ZW_SwitchMultilevelStartLevelChangeV3Frame;\
ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V3_FRAME
ZW_SwitchMultilevelStopLevelChangeV3Frame;\
ZW_SWITCH_MULTILEVEL_SUPPORTED_GET_V3_FRAME
ZW_SwitchMultilevelSupportedGetV3Frame;\
ZW_SWITCH_MULTILEVEL_SUPPORTED_REPORT_V3_FRAME
ZW_SwitchMultilevelSupportedReportV3Frame;\
/* Command class Switch Multilevel V4 */\
ZW_SWITCH_MULTILEVEL_GET_V4_FRAME
ZW_SwitchMultilevelGetV4Frame;\

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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_SWITCH_TOGGLE_BINARY_SET_FRAME
ZW_SWITCH_TOGGLE_BINARY_GET_FRAME
ZW_SWITCH_TOGGLE_BINARY_REPORT_FRAME
/* Command class Switch Toggle Multilevel */
ZW_SWITCH_TOGGLE_MULTILEVEL_SET_FRAME
ZW_SWITCH_TOGGLE_MULTILEVEL_GET_FRAME
ZW_SWITCH_TOGGLE_MULTILEVEL_REPORT_FRAME
ZW_SWITCH_TOGGLE_MULTILEVEL_START_LEVEL_CHANGE_FRAME
ZW_SWITCH_TOGGLE_MULTILEVEL_STOP_LEVEL_CHANGE_FRAME
/* 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_2BYTE_FRAME
ZW_TARIFF_TBL_SUPPLIER_SET_3BYTE_FRAME
ZW_TARIFF_TBL_SUPPLIER_SET_4BYTE_FRAME
/* Command class Tariff Tbl Monitor */
ZW_TARIFF_TBL_COST_GET_FRAME
ZW_TARIFF_TBL_COST_REPORT_FRAME
ZW_TARIFF_TBL_GET_FRAME
ZW_TARIFF_TBL_REPORT_FRAME
ZW_TARIFF_TBL_SUPPLIER_GET_FRAME
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
/* 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
/* 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_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_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_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
/* Command class Thermostat Fan State */
ZW_THERMOSTAT_FAN_STATE_GET_FRAME
ZW_THERMOSTAT_FAN_STATE_REPORT_FRAME
/* Command class Thermostat Fan State V2 */
ZW_THERMOSTAT_FAN_STATE_GET_V2_FRAME
ZW_THERMOSTAT_FAN_STATE_REPORT_V2_FRAME
/* Command class Thermostat Heating */
ZW_THERMOSTAT_HEATING_STATUS_REPORT_FRAME
ZW_THERMOSTAT_HEATING_MODE_GET_FRAME

ZW_SwitchMultilevelReportV4Frame;
ZW_SwitchMultilevelSetV4Frame;
ZW_SwitchMultilevelStartLevelChangeV4Frame;
ZW_SwitchMultilevelStopLevelChangeV4Frame;
ZW_SwitchMultilevelSupportedGetV4Frame;
ZW_SwitchMultilevelSupportedReportV4Frame;

ZW_SwitchToggleBinarySetFrame;
ZW_SwitchToggleBinaryGetFrame;
ZW_SwitchToggleBinaryReportFrame;

ZW_SwitchToggleMultilevelSetFrame;
ZW_SwitchToggleMultilevelGetFrame;
ZW_SwitchToggleMultilevelReportFrame;
ZW_SwitchToggleMultilevelStartLevelChangeFrame;
ZW_SwitchToggleMultilevelStopLevelChangeFrame;

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_TariffTblSupplierReport1byteFrame;
ZW_TariffTblSupplierReport2byteFrame;
ZW_TariffTblSupplierReport3byteFrame;
ZW_TariffTblSupplierReport4byteFrame;

ZW_ThermostatFanModeGetFrame;
ZW_ThermostatFanModeReportFrame;
ZW_ThermostatFanModeSetFrame;
ZW_ThermostatFanModeSupportedGetFrame;
ZW_ThermostatFanModeSupportedReport1byteFrame;
ZW_ThermostatFanModeSupportedReport2byteFrame;
ZW_ThermostatFanModeSupportedReport3byteFrame;
ZW_ThermostatFanModeSupportedReport4byteFrame;

ZW_ThermostatFanModeGetV2Frame;
ZW_ThermostatFanModeReportV2Frame;
ZW_ThermostatFanModeSetV2Frame;
ZW_ThermostatFanModeSupportedGetV2Frame;
ZW_ThermostatFanModeSupportedReport1byteV2Frame;
ZW_ThermostatFanModeSupportedReport2byteV2Frame;
ZW_ThermostatFanModeSupportedReport3byteV2Frame;
ZW_ThermostatFanModeSupportedReport4byteV2Frame;

ZW_ThermostatFanModeGetV3Frame;
ZW_ThermostatFanModeReportV3Frame;
ZW_ThermostatFanModeSetV3Frame;
ZW_ThermostatFanModeSupportedGetV3Frame;
ZW_ThermostatFanModeSupportedReport1byteV3Frame;
ZW_ThermostatFanModeSupportedReport2byteV3Frame;
ZW_ThermostatFanModeSupportedReport3byteV3Frame;
ZW_ThermostatFanModeSupportedReport4byteV3Frame;

ZW_ThermostatFanModeGetV4Frame;
ZW_ThermostatFanModeReportV4Frame;
ZW_ThermostatFanModeSetV4Frame;
ZW_ThermostatFanModeSupportedGetV4Frame;
ZW_ThermostatFanModeSupportedReport1byteV4Frame;
ZW_ThermostatFanModeSupportedReport2byteV4Frame;
ZW_ThermostatFanModeSupportedReport3byteV4Frame;
ZW_ThermostatFanModeSupportedReport4byteV4Frame;

ZW_ThermostatFanStateGetFrame;
ZW_ThermostatFanStateReportFrame;

ZW_ThermostatFanStateGetV2Frame;
ZW_ThermostatFanStateReportV2Frame;

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_4BYTE_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_4BYTE_FRAME
ZW_THERMOSTAT_HEATING_STATUS_GET_FRAME
ZW_THERMOSTAT_HEATING_STATUS_SET_FRAME
ZW_THERMOSTAT_HEATING_TIMED_OFF_SET_FRAME
/* Command class Thermostat Mode */
ZW_THERMOSTAT_MODE_GET_FRAME
ZW_THERMOSTAT_MODE_REPORT_FRAME
ZW_THERMOSTAT_MODE_SET_FRAME
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
/* Command class Thermostat Mode V2 */
ZW_THERMOSTAT_MODE_GET_V2_FRAME
ZW_THERMOSTAT_MODE_REPORT_V2_FRAME
ZW_THERMOSTAT_MODE_SET_V2_FRAME
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_4BYTE_V2_FRAME
/* Command class Thermostat Mode V3 */
ZW_THERMOSTAT_MODE_GET_V3_FRAME
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_SUPPORTED_GET_V3_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_1BYTE_V3_FRAME
ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_2BYTE_V3_FRAME
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_REPORT_V2_FRAME
ZW_THERMOSTAT_OPERATING_STATE_LOGGING_SUPPORTED_GET_V2_FRAME
ZW_ThermostatOperatingStateLoggingSupportedGetV2Frame;
ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_1BYTE_V2_FRAME
ZW_ThermostatOperatingStateLoggingSupportedReport1byteV2Frame;
ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_2BYTE_V2_FRAME
ZW_ThermostatOperatingStateLoggingSupportedReport2byteV2Frame;
ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_ThermostatOperatingStateLoggingSupportedReport3byteV2Frame;
ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_4BYTE_V2_FRAME
ZW_ThermostatOperatingStateLoggingSupportedReport4byteV2Frame;
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_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_ThermostatHeatingModeReportFrame;
ZW_ThermostatHeatingModeSetFrame;
ZW_ThermostatHeatingRelayStatusGetFrame;
ZW_ThermostatHeatingRelayStatusReportFrame;
ZW_ThermostatHeatingSetpointGetFrame;
ZW_ThermostatHeatingSetpointReport1byteFrame;
ZW_ThermostatHeatingSetpointReport2byteFrame;
ZW_ThermostatHeatingSetpointReport3byteFrame;
ZW_ThermostatHeatingSetpointReport4byteFrame;
ZW_ThermostatHeatingSetpointSet1byteFrame;
ZW_ThermostatHeatingSetpointSet2byteFrame;
ZW_ThermostatHeatingSetpointSet3byteFrame;
ZW_ThermostatHeatingSetpointSet4byteFrame;
ZW_ThermostatHeatingStatusGetFrame;
ZW_ThermostatHeatingStatusSetFrame;
ZW_ThermostatHeatingTimedOffSetFrame;
ZW_ThermostatModeGetFrame;
ZW_ThermostatModeReportFrame;
ZW_ThermostatModeSetFrame;
ZW_ThermostatModeSupportedGetFrame;
ZW_ThermostatModeSupportedReport1byteFrame;
ZW_ThermostatModeSupportedReport2byteFrame;
ZW_ThermostatModeSupportedReport3byteFrame;
ZW_ThermostatModeSupportedReport4byteFrame;
ZW_ThermostatModeGetV2Frame;
ZW_ThermostatModeReportV2Frame;
ZW_ThermostatModeSetV2Frame;
ZW_ThermostatModeSupportedGetV2Frame;
ZW_ThermostatModeSupportedReport1byteV2Frame;
ZW_ThermostatModeSupportedReport2byteV2Frame;
ZW_ThermostatModeSupportedReport3byteV2Frame;
ZW_ThermostatModeSupportedReport4byteV2Frame;
ZW_ThermostatModeGetV3Frame;
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_ThermostatModeSupportedReport4byteV3Frame;
ZW_ThermostatOperatingStateGetFrame;
ZW_ThermostatOperatingStateReportFrame;
ZW_ThermostatOperatingStateGetV2Frame;
ZW_ThermostatOperatingStateReportV2Frame;
ZW_ThermostatOperatingStateLoggingGet1byteV2Frame;
ZW_ThermostatOperatingStateLoggingGet2byteV2Frame;
ZW_ThermostatOperatingStateLoggingGet3byteV2Frame;
ZW_ThermostatOperatingStateLoggingGet4byteV2Frame;
VG_ThermostatOperatingStateLoggingReportV2VGroup;

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ZW_THERMOSTAT_SETBACK_SET_FRAME
/* 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_REPORT_4BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_SET_1BYTE_FRAME
ZW_THERMOSTAT_SETPOINT_SET_2BYTE_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
/* 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_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_4BYTE_V2_FRAME
/* 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_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_4BYTE_V3_FRAME
ZW_THERMOSTAT_SETPOINT_CAPABILITIES_GET_V3_FRAME
ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_1BYTE_V3_FRAME
ZW_ThermostatSetpointCapabilitiesReport1byteV3Frame;\
ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_2BYTE_V3_FRAME
ZW_ThermostatSetpointCapabilitiesReport2byteV3Frame;\
ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_3BYTE_V3_FRAME
ZW_ThermostatSetpointCapabilitiesReport3byteV3Frame;\
ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_4BYTE_V3_FRAME
ZW_ThermostatSetpointCapabilitiesReport4byteV3Frame;\
/* Command class Time Parameters */\
ZW_TIME_PARAMETERS_GET_FRAME
ZW_TIME_PARAMETERS_REPORT_FRAME
ZW_TIME_PARAMETERS_SET_FRAME
/* Command class Time */\
ZW_DATE_GET_FRAME
ZW_DATE_REPORT_FRAME
ZW_TIME_GET_FRAME
ZW_TIME_REPORT_FRAME
/* Command class Time V2 */\
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
/* Command class Transport Service V2 */\
ZW_COMMAND_FIRST_SEGMENT_1BYTE_V2_FRAME
ZW_COMMAND_FIRST_SEGMENT_2BYTE_V2_FRAME
ZW_COMMAND_FIRST_SEGMENT_3BYTE_V2_FRAME
ZW_COMMAND_FIRST_SEGMENT_4BYTE_V2_FRAME
ZW_COMMAND_SEGMENT_COMPLETE_V2_FRAME
ZW_COMMAND_SEGMENT_REQUEST_V2_FRAME
ZW_COMMAND_SEGMENT_WAIT_V2_FRAME
ZW_COMMAND_SUBSEQUENT_SEGMENT_1BYTE_V2_FRAME

ZW_ThermostatSetbackSetFrame;\
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;\
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;\
ZW_ThermostatSetpointGetV3Frame;\
ZW_ThermostatSetpointReport1byteV3Frame;\
ZW_ThermostatSetpointReport2byteV3Frame;\
ZW_ThermostatSetpointReport3byteV3Frame;\
ZW_ThermostatSetpointReport4byteV3Frame;\
ZW_ThermostatSetpointSet1byteV3Frame;\
ZW_ThermostatSetpointSet2byteV3Frame;\
ZW_ThermostatSetpointSet3byteV3Frame;\
ZW_ThermostatSetpointSet4byteV3Frame;\
ZW_ThermostatSetpointSupportedGetV3Frame;\
ZW_ThermostatSetpointSupportedReport1byteV3Frame;\
ZW_ThermostatSetpointSupportedReport2byteV3Frame;\
ZW_ThermostatSetpointSupportedReport3byteV3Frame;\
ZW_ThermostatSetpointSupportedReport4byteV3Frame;\
ZW_ThermostatSetpointCapabilitiesGetV3Frame;\
ZW_TimeParametersGetFrame;\
ZW_TimeParametersReportFrame;\
ZW_TimeParametersSetFrame;\
ZW_DateGetFrame;\
ZW_DateReportFrame;\
ZW_TimeGetFrame;\
ZW_TimeReportFrame;\
ZW_DateGetV2Frame;\
ZW_DateReportV2Frame;\
ZW_TimeGetV2Frame;\
ZW_TimeOffsetGetV2Frame;\
ZW_TimeOffsetReportV2Frame;\
ZW_TimeOffsetSetV2Frame;\
ZW_TimeReportV2Frame;\
ZW_CommandFirstSegment1byteV2Frame;\
ZW_CommandFirstSegment2byteV2Frame;\
ZW_CommandFirstSegment3byteV2Frame;\
ZW_CommandFirstSegment4byteV2Frame;\
ZW_CommandSegmentCompleteV2Frame;\
ZW_CommandSegmentRequestV2Frame;\
ZW_CommandSegmentWaitV2Frame;\
ZW_CommandSubsequentSegment1byteV2Frame;\

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ZW_COMMAND_SUBSEQUENT_SEGMENT_2BYTE_V2_FRAME
ZW_COMMAND_SUBSEQUENT_SEGMENT_3BYTE_V2_FRAME
ZW_COMMAND_SUBSEQUENT_SEGMENT_4BYTE_V2_FRAME
/* 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_COMMAND_SUBSEQUENT_FRAGMENT_1BYTE_FRAME
ZW_COMMAND_SUBSEQUENT_FRAGMENT_2BYTE_FRAME
ZW_COMMAND_SUBSEQUENT_FRAGMENT_3BYTE_FRAME
ZW_COMMAND_SUBSEQUENT_FRAGMENT_4BYTE_FRAME
/* 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_VERSION_COMMAND_CLASS_GET_FRAME
ZW_VERSION_COMMAND_CLASS_REPORT_FRAME
ZW_VERSION_GET_FRAME
ZW_VERSION_REPORT_FRAME
/* Command class Version V2 */
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
/* Command class Wake Up */
ZW_WAKE_UP_INTERVAL_GET_FRAME
ZW_WAKE_UP_INTERVAL_REPORT_FRAME
ZW_WAKE_UP_INTERVAL_SET_FRAME
ZW_WAKE_UP_NO_MORE_INFORMATION_FRAME
ZW_WAKE_UP_NOTIFICATION_FRAME
/* Command class Wake Up V2 */
ZW_WAKE_UP_INTERVAL_CAPABILITIES_GET_V2_FRAME
ZW_WAKE_UP_INTERVAL_CAPABILITIES_REPORT_V2_FRAME
ZW_WAKE_UP_INTERVAL_GET_V2_FRAME
ZW_WAKE_UP_INTERVAL_REPORT_V2_FRAME
ZW_WAKE_UP_INTERVAL_SET_V2_FRAME

#define ZW_FRAME_COLLECTION_MACRO4\
ZW_WAKE_UP_NO_MORE_INFORMATION_V2_FRAME
ZW_WAKE_UP_NOTIFICATION_V2_FRAME
/* 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_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_COMMAND_ZIP_PACKET_1BYTE_FRAME
ZW_COMMAND_ZIP_PACKET_2BYTE_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_2BYTE_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_2BYTE_V3_FRAME
ZW_COMMAND_ZIP_PACKET_3BYTE_V3_FRAME
ZW_COMMAND_ZIP_PACKET_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_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_CommandSubsequentSegment2byteV2Frame;\
ZW_CommandSubsequentSegment3byteV2Frame;\
ZW_CommandSubsequentSegment4byteV2Frame;\

ZW_CommandFirstFragment1byteFrame;\
ZW_CommandFirstFragment2byteFrame;\
ZW_CommandFirstFragment3byteFrame;\
ZW_CommandFirstFragment4byteFrame;\
ZW_CommandSubsequentFragment1byteFrame;\
ZW_CommandSubsequentFragment2byteFrame;\
ZW_CommandSubsequentFragment3byteFrame;\
ZW_CommandSubsequentFragment4byteFrame;\

ZW_UserCodeGetFrame;\
ZW_UserCodeReportFrame;\
ZW_UserCodeSetFrame;\
ZW_UsersNumberGetFrame;\
ZW_UsersNumberReportFrame;\

ZW_VersionCommandClassGetFrame;\
ZW_VersionCommandClassReportFrame;\
ZW_VersionGetFrame;\
ZW_VersionReportFrame;\

ZW_VersionCommandClassGetV2Frame;\
ZW_VersionCommandClassReportV2Frame;\
ZW_VersionGetV2Frame;\
VG_VersionReportV2VGroup;\
ZW_VersionReport1byteV2Frame;\
ZW_VersionReport2byteV2Frame;\
ZW_VersionReport3byteV2Frame;\
ZW_VersionReport4byteV2Frame;\

ZW_WakeUpIntervalGetFrame;\
ZW_WakeUpIntervalReportFrame;\
ZW_WakeUpIntervalSetFrame;\
ZW_WakeUpNoMoreInformationFrame;\
ZW_WakeUpNotificationFrame;\

ZW_WakeUpIntervalCapabilitiesGetV2Frame;\
ZW_WakeUpIntervalCapabilitiesReportV2Frame;\
ZW_WakeUpIntervalGetV2Frame;\
ZW_WakeUpIntervalReportV2Frame;\
ZW_WakeUpIntervalSetV2Frame;\

ZW_WakeUpNoMoreInformationV2Frame;\
ZW_WakeUpNotificationV2Frame;\

ZW_LowpanFirstFragment1byteFrame;\
ZW_LowpanFirstFragment2byteFrame;\
ZW_LowpanFirstFragment3byteFrame;\
ZW_LowpanFirstFragment4byteFrame;\
ZW_LowpanSubsequentFragment1byteFrame;\
ZW_LowpanSubsequentFragment2byteFrame;\
ZW_LowpanSubsequentFragment3byteFrame;\
ZW_LowpanSubsequentFragment4byteFrame;\

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;\

ZW_SwitchColorSupportedGetFrame;\
ZW_SwitchColorSupportedReportFrame;\
ZW_SwitchColorGetFrame;\
ZW_SwitchColorReportFrame;\
VG_SwitchColorSetVGroup;\
ZW_SwitchColorSet1byteFrame;\

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ZW_SWITCH_COLOR_SET_2BYTE_FRAME
ZW_SWITCH_COLOR_SET_3BYTE_FRAME
ZW_SWITCH_COLOR_SET_4BYTE_FRAME
ZW_SWITCH_COLOR_START_LEVEL_CHANGE_FRAME
ZW_SWITCH_COLOR_STOP_LEVEL_CHANGE_FRAME
/* Command class Switch Color V2 */
ZW_SWITCH_COLOR_SUPPORTED_GET_V2_FRAME
ZW_SWITCH_COLOR_SUPPORTED_REPORT_V2_FRAME
ZW_SWITCH_COLOR_GET_V2_FRAME
ZW_SWITCH_COLOR_REPORT_V2_FRAME
VG_SWITCH_COLOR_SET_V2_VG
ZW_SWITCH_COLOR_SET_1BYTE_V2_FRAME
ZW_SWITCH_COLOR_SET_2BYTE_V2_FRAME
ZW_SWITCH_COLOR_SET_3BYTE_V2_FRAME
ZW_SWITCH_COLOR_SET_4BYTE_V2_FRAME
ZW_SWITCH_COLOR_START_LEVEL_CHANGE_V2_FRAME
ZW_SWITCH_COLOR_STOP_LEVEL_CHANGE_V2_FRAME
/* Command class Switch Color V3 */
ZW_SWITCH_COLOR_SUPPORTED_GET_V3_FRAME
ZW_SWITCH_COLOR_SUPPORTED_REPORT_V3_FRAME
ZW_SWITCH_COLOR_GET_V3_FRAME
ZW_SWITCH_COLOR_REPORT_V3_FRAME
VG_SWITCH_COLOR_SET_V3_VG
ZW_SWITCH_COLOR_SET_1BYTE_V3_FRAME
ZW_SWITCH_COLOR_SET_2BYTE_V3_FRAME
ZW_SWITCH_COLOR_SET_3BYTE_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
/* 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
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_3BYTE_VG
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
ZW_SCHEDULE_REMOVE_FRAME
ZW_SCHEDULE_STATE_SET_FRAME
ZW_SCHEDULE_STATE_GET_FRAME
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_1BYTE_V2_FRAME
ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_V2_FRAME
ZW_SCHEDULE_SUPPORTED_REPORT_3BYTE_V2_FRAME
ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_V2_FRAME
VG_COMMAND_SCHEDULE_SET_1BYTE_V2_VG
VG_COMMAND_SCHEDULE_SET_2BYTE_V2_VG
VG_COMMAND_SCHEDULE_SET_3BYTE_V2_VG
VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG
ZW_COMMAND_SCHEDULE_SET_1BYTE_V2_FRAME
ZW_COMMAND_SCHEDULE_SET_2BYTE_V2_FRAME
ZW_COMMAND_SCHEDULE_SET_3BYTE_V2_FRAME
ZW_COMMAND_SCHEDULE_SET_4BYTE_V2_FRAME
ZW_COMMAND_SCHEDULE_GET_V2_FRAME
VG_COMMAND_SCHEDULE_REPORT_1BYTE_V2_VG
VG_COMMAND_SCHEDULE_REPORT_2BYTE_V2_VG
VG_COMMAND_SCHEDULE_REPORT_3BYTE_V2_VG
VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG
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_SwitchColorSet2byteFrame; \
ZW_SwitchColorSet3byteFrame; \
ZW_SwitchColorSet4byteFrame; \
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; \

ZW_SwitchColorSupportedGetV3Frame; \
ZW_SwitchColorSupportedReportV3Frame; \
ZW_SwitchColorGetV3Frame; \
ZW_SwitchColorReportV3Frame; \
VG_SwitchColorSetV3VGroup; \
ZW_SwitchColorSet1byteV3Frame; \
ZW_SwitchColorSet2byteV3Frame; \
ZW_SwitchColorSet3byteV3Frame; \
ZW_SwitchColorSet4byteV3Frame; \
ZW_SwitchColorStartLevelChangeV3Frame; \
ZW_SwitchColorStopLevelChangeV3Frame; \

ZW_ScheduleSupportedGetFrame; \
VG_ScheduleSupportedReportVG; \
ZW_ScheduleSupportedReport1byteFrame; \
ZW_ScheduleSupportedReport2byteFrame; \
ZW_ScheduleSupportedReport3byteFrame; \
ZW_ScheduleSupportedReport4byteFrame; \
VG_CommandScheduleSet1byteVGroup; \
VG_CommandScheduleSet2byteVGroup; \
VG_CommandScheduleSet3byteVGroup; \
VG_CommandScheduleSet4byteVGroup; \
ZW_CommandScheduleSet1byteFrame; \
ZW_CommandScheduleSet2byteFrame; \
ZW_CommandScheduleSet3byteFrame; \
ZW_CommandScheduleSet4byteFrame; \
ZW_CommandScheduleGetFrame; \
VG_CommandScheduleReport1byteVGroup; \
VG_CommandScheduleReport2byteVGroup; \
VG_CommandScheduleReport3byteVGroup; \
VG_CommandScheduleReport4byteVGroup; \
ZW_CommandScheduleReport1byteFrame; \
ZW_CommandScheduleReport2byteFrame; \
ZW_CommandScheduleReport3byteFrame; \
ZW_CommandScheduleReport4byteFrame; \
ZW_ScheduleRemoveFrame; \
ZW_ScheduleStateSetFrame; \
ZW_ScheduleStateGetFrame; \
ZW_ScheduleStateReportFrame; \

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_CommandScheduleReport1byteV2Frame; \
ZW_CommandScheduleReport2byteV2Frame; \
ZW_CommandScheduleReport3byteV2Frame; \
ZW_CommandScheduleReport4byteV2Frame; \

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ZW_SCHEDULE_REMOVE_V2_FRAME
ZW_SCHEDULE_STATE_SET_V2_FRAME
ZW_SCHEDULE_STATE_GET_V2_FRAME
ZW_SCHEDULE_STATE_REPORT_V2_FRAME
/* 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
VG_COMMAND_SCHEDULE_SET_1BYTE_V3_VG
VG_COMMAND_SCHEDULE_SET_2BYTE_V3_VG
VG_COMMAND_SCHEDULE_SET_3BYTE_V3_VG
VG_COMMAND_SCHEDULE_SET_4BYTE_V3_VG
ZW_COMMAND_SCHEDULE_SET_1BYTE_V3_FRAME
ZW_COMMAND_SCHEDULE_SET_2BYTE_V3_FRAME
ZW_COMMAND_SCHEDULE_SET_3BYTE_V3_FRAME
ZW_COMMAND_SCHEDULE_SET_4BYTE_V3_FRAME
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_COMMAND_SCHEDULE_REPORT_1BYTE_V3_FRAME
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_SCHEDULE_STATE_SET_V3_FRAME
ZW_SCHEDULE_STATE_GET_V3_FRAME
ZW_SCHEDULE_STATE_REPORT_V3_FRAME
/* Command class Network Management Primary */
ZW_CONTROLLER_CHANGE_FRAME
ZW_CONTROLLER_CHANGE_STATUS_1BYTE_FRAME
ZW_CONTROLLER_CHANGE_STATUS_2BYTE_FRAME
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_ZIP_NODE_ADVERTISEMENT_FRAME
/* Command class Association Grp Info */
ZW_ASSOCIATION_GROUP_NAME_GET_FRAME
ZW_ASSOCIATION_GROUP_NAME_REPORT_1BYTE_FRAME
ZW_ASSOCIATION_GROUP_NAME_REPORT_2BYTE_FRAME
ZW_ASSOCIATION_GROUP_NAME_REPORT_3BYTE_FRAME
ZW_ASSOCIATION_GROUP_NAME_REPORT_4BYTE_FRAME
ZW_ASSOCIATION_GROUP_INFO_GET_FRAME
VG_ASSOCIATION_GROUP_INFO_REPORT_VG
ZW_ASSOCIATION_GROUP_INFO_REPORT_1BYTE_FRAME
ZW_ASSOCIATION_GROUP_INFO_REPORT_2BYTE_FRAME
ZW_ASSOCIATION_GROUP_INFO_REPORT_3BYTE_FRAME
ZW_ASSOCIATION_GROUP_INFO_REPORT_4BYTE_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_GET_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_1BYTE_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_2BYTE_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_3BYTE_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_FRAME
/* Command class Association Grp Info V2 */
ZW_ASSOCIATION_GROUP_NAME_GET_V2_FRAME
ZW_ASSOCIATION_GROUP_NAME_REPORT_1BYTE_V2_FRAME
ZW_ASSOCIATION_GROUP_NAME_REPORT_2BYTE_V2_FRAME
ZW_ASSOCIATION_GROUP_NAME_REPORT_3BYTE_V2_FRAME
ZW_ASSOCIATION_GROUP_NAME_REPORT_4BYTE_V2_FRAME
ZW_ASSOCIATION_GROUP_INFO_GET_V2_FRAME
VG_ASSOCIATION_GROUP_INFO_REPORT_V2_VG
ZW_ASSOCIATION_GROUP_INFO_REPORT_1BYTE_V2_FRAME
ZW_ASSOCIATION_GROUP_INFO_REPORT_2BYTE_V2_FRAME
ZW_ASSOCIATION_GROUP_INFO_REPORT_3BYTE_V2_FRAME
ZW_ASSOCIATION_GROUP_INFO_REPORT_4BYTE_V2_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_GET_V2_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_1BYTE_V2_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_2BYTE_V2_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_3BYTE_V2_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_V2_FRAME
/* Command class Association Grp Info V3 */
ZW_ASSOCIATION_GROUP_NAME_GET_V3_FRAME
ZW_ASSOCIATION_GROUP_NAME_REPORT_1BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_NAME_REPORT_2BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_NAME_REPORT_3BYTE_V3_FRAME

ZW_ScheduleRemoveV2Frame;
ZW_ScheduleStateSetV2Frame;
ZW_ScheduleStateGetV2Frame;
ZW_ScheduleStateReportV2Frame;

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_CommandScheduleGetV3Frame;
VG_CommandScheduleReport1byteV3VGroup;
VG_CommandScheduleReport2byteV3VGroup;
VG_CommandScheduleReport3byteV3VGroup;
VG_CommandScheduleReport4byteV3VGroup;
ZW_CommandScheduleReport1byteV3Frame;
ZW_CommandScheduleReport2byteV3Frame;
ZW_CommandScheduleReport3byteV3Frame;
ZW_CommandScheduleReport4byteV3Frame;
ZW_ScheduleRemoveV3Frame;
ZW_ScheduleStateSetV3Frame;
ZW_ScheduleStateGetV3Frame;
ZW_ScheduleStateReportV3Frame;

ZW_ControllerChangeFrame;
ZW_ControllerChangeStatus1byteFrame;
ZW_ControllerChangeStatus2byteFrame;
ZW_ControllerChangeStatus3byteFrame;
ZW_ControllerChangeStatus4byteFrame;

ZW_ZipNodeSolicitationFrame;
ZW_ZipInvNodeSolicitationFrame;
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_AssociationGroupCommandListReport1byteFrame;
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_NAME_REPORT_4BYTE_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_2BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_INFO_REPORT_3BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_INFO_REPORT_4BYTE_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_3BYTE_V3_FRAME
ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_V3_FRAME
/* Command class Device Reset Locally */
ZW_DEVICE_RESET_LOCALLY_NOTIFICATION_FRAME
/* Command class Central Scene */
ZW_CENTRAL_SCENE_SUPPORTED_GET_FRAME
ZW_CENTRAL_SCENE_SUPPORTED_REPORT_FRAME
ZW_CENTRAL_SCENE_NOTIFICATION_FRAME
/* 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_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
/* Command class Central Scene V3 */
ZW_CENTRAL_SCENE_SUPPORTED_GET_V3_FRAME
VG_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V3_VG
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_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V3_FRAME
ZW_CENTRAL_SCENE_SUPPORTED_REPORT_3BYTE_V3_FRAME
ZW_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V3_FRAME
ZW_CENTRAL_SCENE_NOTIFICATION_V3_FRAME
ZW_CENTRAL_SCENE_CONFIGURATION_SET_V3_FRAME
ZW_CENTRAL_SCENE_CONFIGURATION_GET_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_REPORT_FRAME
ZW_IP_ASSOCIATION_REMOVE_FRAME
/* Command class Antitheft */
ZW_ANTI_THEFT_SET_1BYTE_FRAME
ZW_ANTI_THEFT_SET_2BYTE_FRAME
ZW_ANTI_THEFT_SET_3BYTE_FRAME
ZW_ANTI_THEFT_SET_4BYTE_FRAME
ZW_ANTI_THEFT_GET_FRAME
ZW_ANTI_THEFT_REPORT_1BYTE_FRAME
ZW_ANTI_THEFT_REPORT_2BYTE_FRAME
ZW_ANTI_THEFT_REPORT_3BYTE_FRAME
ZW_ANTI_THEFT_REPORT_4BYTE_FRAME
/* Command class Antitheft V2 */
ZW_ANTI_THEFT_SET_1BYTE_V2_FRAME
ZW_ANTI_THEFT_SET_2BYTE_V2_FRAME
ZW_ANTI_THEFT_SET_3BYTE_V2_FRAME
ZW_ANTI_THEFT_SET_4BYTE_V2_FRAME
ZW_ANTI_THEFT_GET_V2_FRAME
ZW_ANTI_THEFT_REPORT_1BYTE_V2_FRAME
ZW_ANTI_THEFT_REPORT_2BYTE_V2_FRAME
ZW_ANTI_THEFT_REPORT_3BYTE_V2_FRAME
ZW_ANTI_THEFT_REPORT_4BYTE_V2_FRAME
/* Command class Zwaveplus Info */
ZW_ZWAVEPLUS_INFO_GET_FRAME
ZW_ZWAVEPLUS_INFO_REPORT_FRAME
/* Command class Zwaveplus Info V2 */
ZW_ZWAVEPLUS_INFO_GET_V2_FRAME
ZW_ZWAVEPLUS_INFO_REPORT_V2_FRAME
/* Command class Zip Gateway */
ZW_GATEWAY_MODE_SET_FRAME
ZW_GATEWAY_MODE_GET_FRAME
ZW_GATEWAY_MODE_REPORT_FRAME
ZW_GATEWAY_PEER_SET_1BYTE_FRAME
ZW_GATEWAY_PEER_SET_2BYTE_FRAME
ZW_GATEWAY_PEER_SET_3BYTE_FRAME

ZW_AssociationGroupNameReport4byteV3Frame; \
ZW_AssociationGroupInfoGetV3Frame; \
VG_AssociationGroupInfoReportV3VGroup; \
ZW_AssociationGroupInfoReport1byteV3Frame; \
ZW_AssociationGroupInfoReport2byteV3Frame; \
ZW_AssociationGroupInfoReport3byteV3Frame; \
ZW_AssociationGroupInfoReport4byteV3Frame; \
ZW_AssociationGroupCommandListGetV3Frame; \
ZW_AssociationGroupCommandListReport1byteV3Frame; \
ZW_AssociationGroupCommandListReport2byteV3Frame; \
ZW_AssociationGroupCommandListReport3byteV3Frame; \
ZW_AssociationGroupCommandListReport4byteV3Frame; \

ZW_DeviceResetLocallyNotificationFrame; \

ZW_CentralSceneSupportedGetFrame; \
ZW_CentralSceneSupportedReportFrame; \
ZW_CentralSceneNotificationFrame; \

ZW_CentralSceneSupportedGetV2Frame; \
VG_CentralSceneSupportedReport1byteV2VGroup; \
VG_CentralSceneSupportedReport2byteV2VGroup; \
VG_CentralSceneSupportedReport3byteV2VGroup; \
VG_CentralSceneSupportedReport4byteV2VGroup; \
ZW_CentralSceneSupportedReport1byteV2Frame; \
ZW_CentralSceneSupportedReport2byteV2Frame; \
ZW_CentralSceneSupportedReport3byteV2Frame; \
ZW_CentralSceneSupportedReport4byteV2Frame; \
ZW_CentralSceneNotificationV2Frame; \

ZW_CentralSceneSupportedGetV3Frame; \
VG_CentralSceneSupportedReport1byteV3VGroup; \
VG_CentralSceneSupportedReport2byteV3VGroup; \
VG_CentralSceneSupportedReport3byteV3VGroup; \
VG_CentralSceneSupportedReport4byteV3VGroup; \
ZW_CentralSceneSupportedReport1byteV3Frame; \
ZW_CentralSceneSupportedReport2byteV3Frame; \
ZW_CentralSceneSupportedReport3byteV3Frame; \
ZW_CentralSceneSupportedReport4byteV3Frame; \
ZW_CentralSceneNotificationV3Frame; \
ZW_CentralSceneConfigurationSetV3Frame; \
ZW_CentralSceneConfigurationGetV3Frame; \
ZW_CentralSceneConfigurationReportV3Frame; \

ZW_IpAssociationSetFrame; \
ZW_IpAssociationGetFrame; \
ZW_IpAssociationReportFrame; \
ZW_IpAssociationRemoveFrame; \

ZW_AntitheftSet1byteFrame; \
ZW_AntitheftSet2byteFrame; \
ZW_AntitheftSet3byteFrame; \
ZW_AntitheftSet4byteFrame; \
ZW_AntitheftGetFrame; \
ZW_AntitheftReport1byteFrame; \
ZW_AntitheftReport2byteFrame; \
ZW_AntitheftReport3byteFrame; \
ZW_AntitheftReport4byteFrame; \

ZW_AntitheftSet1byteV2Frame; \
ZW_AntitheftSet2byteV2Frame; \
ZW_AntitheftSet3byteV2Frame; \
ZW_AntitheftSet4byteV2Frame; \
ZW_AntitheftGetV2Frame; \
ZW_AntitheftReport1byteV2Frame; \
ZW_AntitheftReport2byteV2Frame; \
ZW_AntitheftReport3byteV2Frame; \
ZW_AntitheftReport4byteV2Frame; \

ZW_ZwaveplusInfoGetFrame; \
ZW_ZwaveplusInfoReportFrame; \

ZW_ZwaveplusInfoGetV2Frame; \
ZW_ZwaveplusInfoReportV2Frame; \

ZW_GatewayModeSetFrame; \
ZW_GatewayModeGetFrame; \
ZW_GatewayModeReportFrame; \
ZW_GatewayPeerSet1byteFrame; \
ZW_GatewayPeerSet2byteFrame; \
ZW_GatewayPeerSet3byteFrame; \

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ZW_GATEWAY_PEER_SET_4BYTE_FRAME
ZW_GATEWAY_PEER_GET_FRAME
ZW_GATEWAY_PEER_REPORT_1BYTE_FRAME
ZW_GATEWAY_PEER_REPORT_2BYTE_FRAME
ZW_GATEWAY_PEER_REPORT_3BYTE_FRAME
ZW_GATEWAY_PEER_REPORT_4BYTE_FRAME
ZW_GATEWAY_LOCK_SET_FRAME
ZW_UNSOLICITED_DESTINATION_SET_FRAME
ZW_UNSOLICITED_DESTINATION_GET_FRAME
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_GET_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
/* Command class Zip Portal */
ZW_GATEWAY_CONFIGURATION_SET_FRAME
ZW_GATEWAY_CONFIGURATION_STATUS_FRAME
ZW_GATEWAY_CONFIGURATION_GET_FRAME
ZW_GATEWAY_CONFIGURATION_REPORT_FRAME
/* Command class Dmx */
ZW_DMX_ADDRESS_SET_FRAME
ZW_DMX_ADDRESS_GET_FRAME
ZW_DMX_ADDRESS_REPORT_FRAME
ZW_DMX_CAPABILITY_GET_FRAME
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
/* Command class Barrier Operator */
ZW_BARRIER_OPERATOR_SET_FRAME
ZW_BARRIER_OPERATOR_GET_FRAME
ZW_BARRIER_OPERATOR_REPORT_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_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
/* Command class Network Management Installation Maintenance */
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_2BYTE_VG
VG_STATISTICS_REPORT_3BYTE_VG
VG_STATISTICS_REPORT_4BYTE_VG
ZW_STATISTICS_REPORT_1BYTE_FRAME
ZW_STATISTICS_REPORT_2BYTE_FRAME
ZW_STATISTICS_REPORT_3BYTE_FRAME
ZW_STATISTICS_REPORT_4BYTE_FRAME
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_LOCATION_SET_1BYTE_FRAME
ZW_ZIP_NAMING_LOCATION_SET_2BYTE_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_REPORT_1BYTE_FRAME
ZW_ZIP_NAMING_LOCATION_REPORT_2BYTE_FRAME
ZW_ZIP_NAMING_LOCATION_REPORT_3BYTE_FRAME
ZW_ZIP_NAMING_LOCATION_REPORT_4BYTE_FRAME
/* Command class Mailbox */
ZW_MAILBOX_CONFIGURATION_GET_FRAME

ZW_GatewayPeerSet4byteFrame; \
ZW_GatewayPeerGetFrame; \
ZW_GatewayPeerReport1byteFrame; \
ZW_GatewayPeerReport2byteFrame; \
ZW_GatewayPeerReport3byteFrame; \
ZW_GatewayPeerReport4byteFrame; \
ZW_GatewayLockSetFrame; \
ZW_UnsolicitedDestinationSetFrame; \
ZW_UnsolicitedDestinationGetFrame; \
ZW_UnsolicitedDestinationReportFrame; \
ZW_CommandApplicationNodeInfoSet1byteFrame; \
ZW_CommandApplicationNodeInfoSet2byteFrame; \
ZW_CommandApplicationNodeInfoSet3byteFrame; \
ZW_CommandApplicationNodeInfoSet4byteFrame; \
ZW_CommandApplicationNodeInfoGetFrame; \
ZW_CommandApplicationNodeInfoReport1byteFrame; \
ZW_CommandApplicationNodeInfoReport2byteFrame; \
ZW_CommandApplicationNodeInfoReport3byteFrame; \
ZW_CommandApplicationNodeInfoReport4byteFrame; \
ZW_GatewayConfigurationSetFrame; \
ZW_GatewayConfigurationStatusFrame; \
ZW_GatewayConfigurationGetFrame; \
ZW_GatewayConfigurationReportFrame; \
ZW_DmxAddressSetFrame; \
ZW_DmxAddressGetFrame; \
ZW_DmxAddressReportFrame; \
ZW_DmxCapabilityGetFrame; \
ZW_DmxCapabilityReportFrame; \
ZW_DmxData1byteFrame; \
ZW_DmxData2byteFrame; \
ZW_DmxData3byteFrame; \
ZW_DmxData4byteFrame; \
ZW_BarrierOperatorSetFrame; \
ZW_BarrierOperatorGetFrame; \
ZW_BarrierOperatorReportFrame; \
ZW_BarrierOperatorSignalSupportedGetFrame; \
ZW_BarrierOperatorSignalSupportedReport1byteFrame; \
ZW_BarrierOperatorSignalSupportedReport2byteFrame; \
ZW_BarrierOperatorSignalSupportedReport3byteFrame; \
ZW_BarrierOperatorSignalSupportedReport4byteFrame; \
ZW_BarrierOperatorSignalSetFrame; \
ZW_BarrierOperatorSignalGetFrame; \
ZW_BarrierOperatorSignalReportFrame; \
ZW_LastWorkingRouteSetFrame; \
ZW_LastWorkingRouteGetFrame; \
ZW_LastWorkingRouteReportFrame; \
ZW_StatisticsGetFrame; \
VG_StatisticsReport1byteVG; \
VG_StatisticsReport2byteVG; \
VG_StatisticsReport3byteVG; \
VG_StatisticsReport4byteVG; \
ZW_StatisticsReport1byteFrame; \
ZW_StatisticsReport2byteFrame; \
ZW_StatisticsReport3byteFrame; \
ZW_StatisticsReport4byteFrame; \
ZW_StatisticsClearFrame; \
ZW_ZipNamingNameSet1byteFrame; \
ZW_ZipNamingNameSet2byteFrame; \
ZW_ZipNamingNameSet3byteFrame; \
ZW_ZipNamingNameSet4byteFrame; \
ZW_ZipNamingNameGetFrame; \
ZW_ZipNamingNameReport1byteFrame; \
ZW_ZipNamingNameReport2byteFrame; \
ZW_ZipNamingNameReport3byteFrame; \
ZW_ZipNamingNameReport4byteFrame; \
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_MAILBOX_CONFIGURATION_REPORT_FRAME
ZW_MAILBOX_QUEUE_1BYTE_FRAME
ZW_MAILBOX_QUEUE_2BYTE_FRAME
ZW_MAILBOX_QUEUE_3BYTE_FRAME
ZW_MAILBOX_QUEUE_4BYTE_FRAME
ZW_MAILBOX_WAKEUP_NOTIFICATION_FRAME
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_GET_FRAME
ZW_WINDOW_COVERING_REPORT_FRAME
VG_WINDOW_COVERING_SET_VG
ZW_WINDOW_COVERING_SET_1BYTE_FRAME
ZW_WINDOW_COVERING_SET_2BYTE_FRAME
ZW_WINDOW_COVERING_SET_3BYTE_FRAME
ZW_WINDOW_COVERING_SET_4BYTE_FRAME
ZW_WINDOW_COVERING_START_LEVEL_CHANGE_FRAME
ZW_WINDOW_COVERING_STOP_LEVEL_CHANGE_FRAME
/* Command class Security 2 */
ZW_SECURITY_2_NONCE_GET_FRAME
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
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_4BYTE_FRAME
ZW_KEX_GET_FRAME
ZW_KEX_REPORT_FRAME
ZW_KEX_SET_FRAME
ZW_KEX_FAIL_FRAME
ZW_PUBLIC_KEY_REPORT_1BYTE_FRAME
ZW_PUBLIC_KEY_REPORT_2BYTE_FRAME
ZW_PUBLIC_KEY_REPORT_3BYTE_FRAME

#define ZW_FRAME_COLLECTION_MACRO5\
ZW_PUBLIC_KEY_REPORT_4BYTE_FRAME
ZW_SECURITY_2_NETWORK_KEY_GET_FRAME
ZW_SECURITY_2_NETWORK_KEY_REPORT_FRAME
ZW_SECURITY_2_NETWORK_KEY_VERIFY_FRAME
ZW_SECURITY_2_TRANSFER_END_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_4BYTE_FRAME
ZW_SECURITY_2_CAPABILITIES_GET_FRAME
ZW_SECURITY_2_CAPABILITIES_REPORT_FRAME
/* Command class Irrigation */
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_2BYTE_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_SET_3BYTE_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_SET_4BYTE_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_GET_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_1BYTE_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_2BYTE_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_3BYTE_FRAME
ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_4BYTE_FRAME
ZW_IRRIGATION_VALVE_INFO_GET_FRAME
ZW_IRRIGATION_VALVE_INFO_REPORT_FRAME
ZW_IRRIGATION_VALVE_CONFIG_SET_1BYTE_FRAME
ZW_IRRIGATION_VALVE_CONFIG_SET_2BYTE_FRAME
ZW_IRRIGATION_VALVE_CONFIG_SET_3BYTE_FRAME
ZW_IRRIGATION_VALVE_CONFIG_SET_4BYTE_FRAME
ZW_IRRIGATION_VALVE_CONFIG_GET_FRAME
ZW_IRRIGATION_VALVE_CONFIG_REPORT_1BYTE_FRAME
ZW_IRRIGATION_VALVE_CONFIG_REPORT_2BYTE_FRAME

ZW_MailboxConfigurationSetFrame;\
ZW_MailboxConfigurationReportFrame;\
ZW_MailboxQueue1byteFrame;\
ZW_MailboxQueue2byteFrame;\
ZW_MailboxQueue3byteFrame;\
ZW_MailboxQueue4byteFrame;\
ZW_MailboxWakeupNotificationFrame;\
ZW_MailboxNodeFailingFrame;\
ZW_WindowCoveringSupportedGetFrame;\
ZW_WindowCoveringSupportedReport1byteFrame;\
ZW_WindowCoveringSupportedReport2byteFrame;\
ZW_WindowCoveringSupportedReport3byteFrame;\
ZW_WindowCoveringSupportedReport4byteFrame;\
ZW_WindowCoveringGetFrame;\
ZW_WindowCoveringReportFrame;\
VG_WindowCoveringSetVGroup;\
ZW_WindowCoveringSet1byteFrame;\
ZW_WindowCoveringSet2byteFrame;\
ZW_WindowCoveringSet3byteFrame;\
ZW_WindowCoveringSet4byteFrame;\
ZW_WindowCoveringStartLevelChangeFrame;\
ZW_WindowCoveringStopLevelChangeFrame;\
ZW_Security2NonceGetFrame;\
ZW_Security2NonceReportFrame;\
VG_Security2MessageEncapsulation1byteVGroup;\
VG_Security2MessageEncapsulation2byteVGroup;\
VG_Security2MessageEncapsulation3byteVGroup;\
VG_Security2MessageEncapsulation4byteVGroup;\
ZW_Security2MessageEncapsulation1byteFrame;\
ZW_Security2MessageEncapsulation2byteFrame;\
ZW_Security2MessageEncapsulation3byteFrame;\
ZW_Security2MessageEncapsulation4byteFrame;\
ZW_KexGetFrame;\
ZW_KexReportFrame;\
ZW_KexSetFrame;\
ZW_KexFailFrame;\
ZW_PublicKeyReport1byteFrame;\
ZW_PublicKeyReport2byteFrame;\
ZW_PublicKeyReport3byteFrame;\
ZW_PublicKeyReport4byteFrame;\
ZW_Security2NetworkKeyGetFrame;\
ZW_Security2NetworkKeyReportFrame;\
ZW_Security2NetworkKeyVerifyFrame;\
ZW_Security2TransferEndFrame;\
ZW_Security2CommandsSupportedGetFrame;\
ZW_Security2CommandsSupportedReport1byteFrame;\
ZW_Security2CommandsSupportedReport2byteFrame;\
ZW_Security2CommandsSupportedReport3byteFrame;\
ZW_Security2CommandsSupportedReport4byteFrame;\
ZW_Security2CapabilitiesGetFrame;\
ZW_Security2CapabilitiesReportFrame;\
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;\

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ZW_IRRIGATION_VALVE_CONFIG_REPORT_3BYTE_FRAME
ZW_IRRIGATION_VALVE_CONFIG_REPORT_4BYTE_FRAME
ZW_IRRIGATION_VALVE_RUN_FRAME
VG_IRRIGATION_VALVE_TABLE_SET_VG
ZW_IRRIGATION_VALVE_TABLE_SET_1BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_SET_2BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_SET_3BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_SET_4BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_GET_FRAME
VG_IRRIGATION_VALVE_TABLE_REPORT_VG
ZW_IRRIGATION_VALVE_TABLE_REPORT_1BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_REPORT_2BYTE_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_TABLE_RUN_2BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_RUN_3BYTE_FRAME
ZW_IRRIGATION_VALVE_TABLE_RUN_4BYTE_FRAME
ZW_IRRIGATION_SYSTEM_SHUTOFF_FRAME
/* Command class Supervision */
ZW_SUPERVISION_GET_FRAME
ZW_SUPERVISION_REPORT_FRAME
/* Command class Humidity Control Setpoint */
ZW_HUMIDITY_CONTROL_SETPPOINT_SET_1BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPPOINT_SET_2BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPPOINT_SET_3BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPPOINT_SET_4BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPPOINT_GET_FRAME
ZW_HUMIDITY_CONTROL_SETPPOINT_REPORT_1BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPPOINT_REPORT_2BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPPOINT_REPORT_3BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPPOINT_REPORT_4BYTE_FRAME
ZW_HUMIDITY_CONTROL_SETPPOINT_SUPPORTED_GET_FRAME
ZW_HUMIDITY_CONTROL_SETPPOINT_SUPPORTED_REPORT_FRAME
ZW_HUMIDITY_CONTROL_SETPPOINT_SCALE_SUPPORTED_GET_FRAME
ZW_HUMIDITY_CONTROL_SETPPOINT_SCALE_SUPPORTED_REPORT_FRAME
ZW_HumidityControlSetpointScaleSupportedReportFrame;
ZW_HUMIDITY_CONTROL_SETPPOINT_CAPABILITIES_GET_FRAME
ZW_HUMIDITY_CONTROL_SETPPOINT_CAPABILITIES_REPORT_1BYTE_FRAME
ZW_HumidityControlSetpointCapabilitiesReport1byteFrame;
ZW_HUMIDITY_CONTROL_SETPPOINT_CAPABILITIES_REPORT_2BYTE_FRAME
ZW_HumidityControlSetpointCapabilitiesReport2byteFrame;
ZW_HUMIDITY_CONTROL_SETPPOINT_CAPABILITIES_REPORT_3BYTE_FRAME
ZW_HumidityControlSetpointCapabilitiesReport3byteFrame;
ZW_HUMIDITY_CONTROL_SETPPOINT_CAPABILITIES_REPORT_4BYTE_FRAME
ZW_HumidityControlSetpointCapabilitiesReport4byteFrame;
/* Command class Humidity Control Mode */
ZW_HUMIDITY_CONTROL_MODE_SET_FRAME
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
/* Command class Humidity Control Operating State */
ZW_HUMIDITY_CONTROL_OPERATING_STATE_GET_FRAME
ZW_HUMIDITY_CONTROL_OPERATING_STATE_REPORT_FRAME
/* Command class Entry Control */
ZW_ENTRY_CONTROL_NOTIFICATION_1BYTE_FRAME
ZW_ENTRY_CONTROL_NOTIFICATION_2BYTE_FRAME
ZW_ENTRY_CONTROL_NOTIFICATION_3BYTE_FRAME
ZW_ENTRY_CONTROL_NOTIFICATION_4BYTE_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_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_COMPLETE_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;

ZW_SupervisionGetFrame;
ZW_SupervisionReportFrame;

ZW_HumidityControlSetpointSet1byteFrame;
ZW_HumidityControlSetpointSet2byteFrame;
ZW_HumidityControlSetpointSet3byteFrame;
ZW_HumidityControlSetpointSet4byteFrame;
ZW_HumidityControlSetpointGetFrame;
ZW_HumidityControlSetpointReport1byteFrame;
ZW_HumidityControlSetpointReport2byteFrame;
ZW_HumidityControlSetpointReport3byteFrame;
ZW_HumidityControlSetpointReport4byteFrame;
ZW_HumidityControlSetpointSupportedGetFrame;
ZW_HumidityControlSetpointSupportedReportFrame;
ZW_HumidityControlSetpointScaleSupportedGetFrame;

ZW_HumidityControlSetpointCapabilitiesGetFrame;

ZW_HumidityControlModeSetFrame;
ZW_HumidityControlModeGetFrame;
ZW_HumidityControlModeReportFrame;
ZW_HumidityControlModeSupportedGetFrame;
ZW_HumidityControlModeSupportedReportFrame;

ZW_HumidityControlOperatingStateGetFrame;
ZW_HumidityControlOperatingStateReportFrame;

ZW_EntryControlNotification1byteFrame;
ZW_EntryControlNotification2byteFrame;
ZW_EntryControlNotification3byteFrame;
ZW_EntryControlNotification4byteFrame;
ZW_EntryControlKeySupportedGetFrame;
ZW_EntryControlKeySupportedReport1byteFrame;
ZW_EntryControlKeySupportedReport2byteFrame;
ZW_EntryControlKeySupportedReport3byteFrame;
ZW_EntryControlKeySupportedReport4byteFrame;
ZW_EntryControlEventSupportedGetFrame;
ZW_EntryControlEventSupportedReport1byteFrame;
ZW_EntryControlEventSupportedReport2byteFrame;
ZW_EntryControlEventSupportedReport3byteFrame;
ZW_EntryControlEventSupportedReport4byteFrame;
ZW_EntryControlConfigurationSetFrame;
ZW_EntryControlConfigurationGetFrame;
ZW_EntryControlConfigurationReportFrame;

ZW_InitiateFrame;
ZW_CompleteFrame;

/***** Basic Device Class identifiers *****/
#define BASIC_TYPE_CONTROLLER 0x01 /*Node is a portable
controller */

```



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#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                                  0x12
#define SPECIFIC_TYPE_SATELLITE_RECEIVER                       0x04 /*Satellite
Receiver*/
#define SPECIFIC_TYPE_SATELLITE_RECEIVER_V2                    0x11 /*Satellite Receiver
V2*/

/* Device class Display */
#define GENERIC_TYPE_DISPLAY                                    0x04
#define SPECIFIC_TYPE_NOT_USED                                  0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_SIMPLE_DISPLAY                            0x01 /*Display (simple)
Device Type*/

/* Device class Entry Control */
#define GENERIC_TYPE_ENTRY_CONTROL                              0x40 /*Entry Control*/
#define SPECIFIC_TYPE_NOT_USED                                  0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_DOOR_LOCK                                 0x01 /*Door Lock*/
#define SPECIFIC_TYPE_ADVANCED_DOOR_LOCK                       0x02 /*Advanced Door
Lock*/
#define SPECIFIC_TYPE_SECURE_KEYPAD_DOOR_LOCK                  0x03 /*Door Lock (keypad
-lever) Device Type*/
#define SPECIFIC_TYPE_SECURE_KEYPAD_DOOR_LOCK_DEADBOLT         0x04 /*Door Lock (keypad
- deadbolt) Device Type*/
#define SPECIFIC_TYPE_SECURE_DOOR                              0x05 /*Barrier Operator
Specific Device Class*/
#define SPECIFIC_TYPE_SECURE_GATE                              0x06 /*Barrier Operator
Specific Device Class*/
#define SPECIFIC_TYPE_SECURE_BARRIER_ADDON                    0x07 /*Barrier Operator
Specific Device Class*/
#define SPECIFIC_TYPE_SECURE_BARRIER_OPEN_ONLY                0x08 /*Barrier Operator
Specific Device Class*/
#define SPECIFIC_TYPE_SECURE_BARRIER_CLOSE_ONLY               0x09 /*Barrier Operator
Specific Device Class*/
#define SPECIFIC_TYPE_SECURE_LOCKBOX                           0x0A /*SDS12724*/
#define SPECIFIC_TYPE_SECURE_KEYPAD                            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                  0x03
#define SPECIFIC_TYPE_REMOTE_CONTROL_AV                        0x04 /*Remote Control
(AV) Device Type*/
#define SPECIFIC_TYPE_REMOTE_CONTROL_SIMPLE                    0x06 /*Remote Control
(Simple) Device Type*/

/* Device class Meter */
#define GENERIC_TYPE_METER                                       0x31 /*Meter*/
#define SPECIFIC_TYPE_NOT_USED                                  0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_SIMPLE_METER                              0x01 /*Sub Energy Meter
Device Type*/
#define SPECIFIC_TYPE_ADV_ENERGY_CONTROL                       0x02 /*Whole Home Energy
Meter (Advanced) Device Type*/
#define SPECIFIC_TYPE_WHOLE_HOME_METER_SIMPLE                  0x03 /*Whole Home Meter
(Simple) Device Type*/

/* Device class Meter Pulse */
#define GENERIC_TYPE_METER_PULSE                                0x30 /*Pulse Meter*/
#define SPECIFIC_TYPE_NOT_USED                                  0x00 /*Specific Device
Class Not Used*/

/* Device class Non Interoperable */

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#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 0x17
#define SPECIFIC_TYPE_NOT_USED 0x00 /*Specific Device Class Not Used*/
#define SPECIFIC_TYPE_ZONED_SECURITY_PANEL 0x01

/* Device class Semi Interoperable */
#define GENERIC_TYPE_SEMI_INTEROPERABLE 0x50 /*Semi 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 Class Not Used*/
#define SPECIFIC_TYPE_ADV_ZENSOR_NET_ALARM_SENSOR 0x05
#define SPECIFIC_TYPE_ADV_ZENSOR_NET_SMOKE_SENSOR 0x0A
#define SPECIFIC_TYPE_BASIC_ROUTING_ALARM_SENSOR 0x01
#define SPECIFIC_TYPE_BASIC_ROUTING_SMOKE_SENSOR 0x06
#define SPECIFIC_TYPE_BASIC_ZENSOR_NET_ALARM_SENSOR 0x03
#define SPECIFIC_TYPE_BASIC_ZENSOR_NET_SMOKE_SENSOR 0x08
#define SPECIFIC_TYPE_ROUTING_ALARM_SENSOR 0x02
#define SPECIFIC_TYPE_ROUTING_SMOKE_SENSOR 0x07
#define SPECIFIC_TYPE_ZENSOR_NET_ALARM_SENSOR 0x04
#define SPECIFIC_TYPE_ZENSOR_NET_SMOKE_SENSOR 0x09
#define SPECIFIC_TYPE_ALARM_SENSOR 0x0B /*Sensor (Alarm) Device Type*/

/* Device class Sensor Binary */
#define GENERIC_TYPE_SENSOR_BINARY 0x20 /*Binary Sensor*/
#define SPECIFIC_TYPE_NOT_USED 0x00 /*Specific Device Class Not Used*/
#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 0x00 /*Specific Device Class Not Used*/
#define SPECIFIC_TYPE_ROUTING_SENSOR_MULTILEVEL 0x01 /*Sensor (Multilevel) Device Type*/
#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 0x02 /*Scene Controller*/
#define SPECIFIC_TYPE_STATIC_INSTALLER_TOOL 0x03
#define SPECIFIC_TYPE_SET_TOP_BOX 0x04 /*Set Top Box Device Type*/
#define SPECIFIC_TYPE_SUB_SYSTEM_CONTROLLER 0x05 /*Sub System Controller Device Type*/
#define SPECIFIC_TYPE_TV 0x06 /*TV Device Type*/
#define SPECIFIC_TYPE_GATEWAY 0x07 /*Gateway Device Type*/

/* Device class Switch Binary */
#define GENERIC_TYPE_SWITCH_BINARY 0x10 /*Binary Switch*/
#define SPECIFIC_TYPE_NOT_USED 0x00 /*Specific Device Class Not Used*/

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#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 0x05 /*Window Covering No
Position/Endpoint Device Type*/
#define SPECIFIC_TYPE_CLASS_B_MOTOR_CONTROL 0x06 /*Window Covering
Endpoint Aware Device Type*/
#define SPECIFIC_TYPE_CLASS_C_MOTOR_CONTROL 0x07 /*Window Covering
Position/Endpoint Aware Device Type*/
#define SPECIFIC_TYPE_MOTOR_MULTIPPOSITION 0x03 /*Multiposition
Motor*/
#define SPECIFIC_TYPE_POWER_SWITCH_MULTILEVEL 0x01 /*Light Dimmer
Switch Device Type*/
#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 0x12 /*Remote Switch*/
#define SPECIFIC_TYPE_NOT_USED 0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_SWITCH_REMOTE_BINARY 0x01 /*Binary Remote
Switch*/
#define SPECIFIC_TYPE_SWITCH_REMOTE_MULTILEVEL 0x02 /*Multilevel Remote
Switch*/
#define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_BINARY 0x03 /*Binary Toggle
Remote Switch*/
#define SPECIFIC_TYPE_SWITCH_REMOTE_TOGGLE_MULTILEVEL 0x04 /*Multilevel Toggle
Remote Switch*/

/* Device class Switch Toggle */
#define GENERIC_TYPE_SWITCH_TOGGLE 0x13 /*Toggle Switch*/
#define SPECIFIC_TYPE_NOT_USED 0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_SWITCH_TOGGLE_BINARY 0x01 /*Binary Toggle
Switch*/
#define SPECIFIC_TYPE_SWITCH_TOGGLE_MULTILEVEL 0x02 /*Multilevel Toggle
Switch*/

/* Device class Thermostat */
#define GENERIC_TYPE_THERMOSTAT 0x08 /*Thermostat*/
#define SPECIFIC_TYPE_NOT_USED 0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_SETBACK_SCHEDULE_THERMOSTAT 0x03 /*Setback Schedule
Thermostat*/
#define SPECIFIC_TYPE_SETBACK_THERMOSTAT 0x05 /*Thermostat
(Setback) Device Type*/
#define SPECIFIC_TYPE_SETPPOINT_THERMOSTAT 0x04
#define SPECIFIC_TYPE_THERMOSTAT_GENERAL 0x02 /*Thermostat
General*/
#define SPECIFIC_TYPE_THERMOSTAT_GENERAL_V2 0x06 /*Thermostat (HVAC)
Device Type*/
#define SPECIFIC_TYPE_THERMOSTAT_HEATING 0x01 /*Thermostat
Heating*/

/* Device class Ventilation */
#define GENERIC_TYPE_VENTILATION 0x16
#define SPECIFIC_TYPE_NOT_USED 0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_RESIDENTIAL_HRV 0x01

/* Device class Window Covering */
#define GENERIC_TYPE_WINDOW_COVERING 0x09 /*Window Covering*/

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#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                                0x15
#define SPECIFIC_TYPE_NOT_USED                                0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_ZIP_ADV_NODE                            0x02
#define SPECIFIC_TYPE_ZIP_TUN_NODE                            0x01

/* Device class Wall Controller */
#define GENERIC_TYPE_WALL_CONTROLLER                          0x18
#define SPECIFIC_TYPE_NOT_USED                                0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_BASIC_WALL_CONTROLLER                  0x01 /*Wall Controller
Device Type*/

/* Device class Network Extender */
#define GENERIC_TYPE_NETWORK_EXTENDER                        0x05 /*Network Extender
Generic Device Class*/
#define SPECIFIC_TYPE_NOT_USED                                0x00 /*Specific Device
Class Not Used*/
#define SPECIFIC_TYPE_SECURE_EXTENDER                        0x01 /*Specific Device
Secure Extender*/

/* 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                      0x02
#define SPECIFIC_TYPE_LAUNDRY_APPLIANCE                      0x03

/* Device class Sensor Notification */
#define GENERIC_TYPE_SENSOR_NOTIFICATION                      0x07
#define SPECIFIC_TYPE_NOT_USED                                0x00 /*Specific Device
Class not used*/
#define SPECIFIC_TYPE_NOTIFICATION_SENSOR                     0x01

/***** Z-Wave+ Role Type identifiers *****/
#define ROLE_TYPE_CONTROLLER_CENTRAL_STATIC                   0x00
#define ROLE_TYPE_CONTROLLER_SUB_STATIC                       0x01
#define ROLE_TYPE_CONTROLLER_PORTABLE                         0x02
#define ROLE_TYPE_CONTROLLER_PORTABLE_REPORTING               0x03
#define ROLE_TYPE_SLAVE_PORTABLE                             0x04
#define ROLE_TYPE_SLAVE_ALWAYS_ON                             0x05
#define ROLE_TYPE_SLAVE_SLEEPING_REPORTING                    0x06
#define ROLE_TYPE_SLAVE_SLEEPING_LISTENING                    0x07

/***** Z-Wave+ Icon Type identifiers *****/
/* 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
product

#define ICON_TYPE_GENERIC_CENTRAL_CONTROLLER                 0x0100 //Central Controller Device
Type

#define ICON_TYPE_GENERIC_DISPLAY_SIMPLE                     0x0200 //Display Simple Device Type

#define ICON_TYPE_GENERIC_DOOR_LOCK_KEYPAD                   0x0300 //Door Lock Keypad Device
Type

#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                0x0600 //Light Dimmer Switch
Device Type

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#define ICON_TYPE_SPECIFIC_LIGHT_DIMMER_SWITCH_PLUGIN as a plugin device	0x0601	//Light Dimmer, implemented
#define ICON_TYPE_SPECIFIC_LIGHT_DIMMER_SWITCH_WALL_OUTLET as a wall outlet	0x0602	//Light Dimmer, implemented
#define ICON_TYPE_SPECIFIC_LIGHT_DIMMER_SWITCH_CEILING_OUTLET implemented as a ceiling outlet	0x0603	//Light Dimmer,
#define ICON_TYPE_SPECIFIC_LIGHT_DIMMER_SWITCH_WALL_LAMP implemented as a wall mounted lamp	0x0604	//Relay device,
#define ICON_TYPE_SPECIFIC_LIGHT_DIMMER_SWITCH_LAMP_POST_HIGH implemented as a ceiling outlet	0x0605	//Relay device,
#define ICON_TYPE_SPECIFIC_LIGHT_DIMMER_SWITCH_LAMP_POST_LOW implemented as a ceiling outlet	0x0606	//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	0x0701	//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	0x0703	//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	0x0705	//Relay device,
#define ICON_TYPE_SPECIFIC_ON_OFF_POWER_SWITCH_LAMP_POST_LOW implemented as a ceiling outlet	0x0706	//Relay device,
 #define ICON_TYPE_GENERIC_POWER_STRIP	0x0800	//Power Strip Device Type
#define ICON_TYPE_SPECIFIC_POWER_STRIP_INDIVIDUAL_OUTLET power strip for showing outlets in exploded view	0x08FF	//Individual 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	0x0C0C	
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_HOME_HEALTH	0x0C0D	
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_SIREN	0x0C0E	
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_WATER_VALVE	0x0C0F	
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_WEATHER_ALARM	0x0C10	
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_IRRIGATION	0x0C11	
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_GAS_ALARM	0x0C12	
#define ICON_TYPE_SPECIFIC_SENSOR_NOTIFICATION_MULTIDEVICE Type (Bundled Notification functions)	0x0CFF	//Sensor Notification Device
 #define ICON_TYPE_GENERIC_SENSOR_MULTILEVEL Type	 0x0D00	 //Sensor Multilevel Device
#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 Type (Sensor type General Purpose Value)	0x0D02	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LUMINANCE Type (Sensor type Luminance)	0x0D03	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_POWER Type (Sensor type Power)	0x0D04	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_HUMIDITY Type (Sensor type Humidity)	0x0D05	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_VELOCITY Type (Sensor type Velocity)	0x0D06	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_DIRECTION Type (Sensor type Direction)	0x0D07	//Sensor Multilevel Device
#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 Type (Sensor type Barometric Pressure)	0x0D09	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOLAR_RADIATION Type (Sensor type Solar Radiation)	0x0D0A	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_DEW_POINT Type (Sensor type Dew Point)	0x0D0B	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_RAIN_RATE Type (Sensor type Rain Rate)	0x0D0C	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TIDE_LEVEL Type (Sensor type Tide Level)	0x0D0D	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WEIGHT Type (Sensor type Weight)	0x0D0E	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_VOLTAGE Type (Sensor type Voltage)	0x0D0F	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_CURRENT Type (Sensor type Current)	0x0D10	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_CO2_LEVEL Type (Sensor type CO2 Level)	0x0D11	//Sensor Multilevel Device
#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 Type (Sensor type Tank Capacity)	0x0D13	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_DISTANCE Type (Sensor type Distance)	0x0D14	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ANGLE_POSITION Type (Sensor type Angle Position)	0x0D15	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ROTATION Type (Sensor type Rotation)	0x0D16	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_WATER_TEMPERATURE Type (Sensor type Water Temperature)	0x0D17	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SOIL_TEMPERATURE Type (Sensor type Soil Temperature)	0x0D18	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_INTENSITY Type (Sensor type Seismic Intensity)	0x0D19	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_SEISMIC_MAGNITUDE Type (Sensor type Seismic Magnitude)	0x0D1A	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ULTRAVIOLET Type (Sensor type Ultraviolet)	0x0D1B	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_RESISTIVITY Type (Sensor type Electrical Resistivity)	0x0D1C	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_ELECTRICAL_CONDUCTIVITY Type (Sensor type Electrical Conductivity)	0x0D1D	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_LOUDNESS Type (Sensor type Loudness)	0x0D1E	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MOISTURE Type (Sensor type Moisture)	0x0D1F	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_FREQUENCY Type (Sensor type Frequency)	0x0D20	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TIME Type (Sensor type Time)	0x0D21	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_TARGET_TEMPERATURE Type (Sensor type Target Temperature)	0x0D22	//Sensor Multilevel Device
#define ICON_TYPE_SPECIFIC_SENSOR_MULTILEVEL_MULTIDEVICE Type (Bundled Sensor functions)	0x0DFF	//Sensor Multilevel Device
 #define ICON_TYPE_GENERIC_SET_TOP_BOX	 0x0E00	 //Set Top Box Device Type
#define ICON_TYPE_GENERIC_SIREN	0x0F00	//Siren Device Type
#define ICON_TYPE_GENERIC_SUB_ENERGY_METER Type	0x1000	//Sub Energy Meter Device
#define ICON_TYPE_GENERIC_SUB_SYSTEM_CONTROLLER Device Type	0x1100	//Sub System Controller
#define ICON_TYPE_GENERIC_THERMOSTAT	0x1200	//Thermostat Device Type

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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_OBSOLETE        0x1300    //Thermostat Setback
[Obsoloted] Device Type

#define ICON_TYPE_GENERIC_TV                                  0x1400    //TV Device Type

#define ICON_TYPE_GENERIC_VALVE_OPEN_CLOSE                   0x1500    //Valve Open/Close Device
Type

#define ICON_TYPE_GENERIC_WALL_CONTROLLER                    0x1600    //Wall Controller Device
Type

#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     0x1900    //Window Covering Endpoint
Aware Device Type

#define ICON_TYPE_GENERIC_WINDOW_COVERING_POSITION_ENDPOINT_AWARE 0x1A00    //Window Covering
Position/Endpoint Aware Device Type

#define ICON_TYPE_GENERIC_REPEATER                           0x1B00    //Repeater Device Type

#define ICON_TYPE_GENERIC_DIMMER_WALL_SWITCH                 0x1C00    //Wall Switch
#define ICON_TYPE_SPECIFIC_DIMMER_WALL_SWITCH_ONE_BUTTON    0x1C01    //Wall Switch, 1 button
#define ICON_TYPE_SPECIFIC_DIMMER_WALL_SWITCH_TWO_BUTTONS    0x1C02    //Wall Switch, 2 buttons
#define ICON_TYPE_SPECIFIC_DIMMER_WALL_SWITCH_THREE_BUTTONS  0x1C03    //Wall Switch, 3 buttons
#define ICON_TYPE_SPECIFIC_DIMMER_WALL_SWITCH_FOUR_BUTTONS   0x1C04    //Wall Switch, 4 buttons
#define ICON_TYPE_SPECIFIC_DIMMER_WALL_SWITCH_ONE_ROTARY     0x1CF1    //Wall Switch, 1 rotary
knob

#define ICON_TYPE_GENERIC_ON_OFF_WALL_SWITCH                 0x1D00    //Wall Switch
#define ICON_TYPE_SPECIFIC_ON_OFF_WALL_SWITCH_ONE_BUTTON    0x1D01    //Wall Switch, 1 button
#define ICON_TYPE_SPECIFIC_ON_OFF_WALL_SWITCH_TWO_BUTTONS    0x1D02    //Wall Switch, 2 buttons
#define ICON_TYPE_SPECIFIC_ON_OFF_WALL_SWITCH_THREE_BUTTONS  0x1D03    //Wall Switch, 3 buttons
#define ICON_TYPE_SPECIFIC_ON_OFF_WALL_SWITCH_FOUR_BUTTONS   0x1D04    //Wall Switch, 4 buttons
#define ICON_TYPE_SPECIFIC_ON_OFF_WALL_SWITCH_DOOR_BELL      0x1DE1    //Door Bell (button)
#define ICON_TYPE_SPECIFIC_ON_OFF_WALL_SWITCH_ONE_ROTARY     0x1DF1    //Wall Switch, 1 rotary
knob

#define ICON_TYPE_GENERIC_BARRIER                           0x1E00    //Barrier

#define ICON_TYPE_GENERIC_IRRIGATION                         0x1F00    //Irrigation

#define ICON_TYPE_GENERIC_ENTRY_CONTROL                       0x2000    //Entry Control
#define ICON_TYPE_SPECIFIC_ENTRY_CONTROL_KEYPAD_0_9           0x2001    //Entry Control Keypad 0-9
#define ICON_TYPE_SPECIFIC_ENTRY_CONTROL_RFID_TAG_READER_NO_BUTTON 0x2002    //Entry Control RFID tag
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                        0x009B    //2gig Technologies Inc.
#define MFG_ID_3E_TECHNOLOGIES                              0x002A    //3e Technologies
#define MFG_ID_A1_COMPONENTS                                 0x0022    //A-1 Components
#define MFG_ID_ABILIA                                        0x0117    //Abilia
#define MFG_ID_ACT_ADVANCED_CONTROL_TECHNOLOGIES            0x0001    //ACT - Advanced Control Technologies
#define MFG_ID_ADOX_INC                                      0x0101    //ADOX, Inc.
#define MFG_ID_ADVANCED_OPTRONIC_DEVICES_CO_LTD             0x016C    //Advanced Optronic Devices Co.,Ltd
#define MFG_ID_ADVENTURE_INTERACTIVE                        0x009E    //Adventure Interactive
#define MFG_ID_AEON_LABS                                     0x0086    //AEON Labs
#define MFG_ID_AIRLINE_MECHANICAL_CO_LTD                    0x0111    //Airline Mechanical Co., Ltd.
#define MFG_ID_AIRVENT_SAM_SPA                              0x0088    //Airvent SAM S.p.A.
#define MFG_ID_ALARMCOM                                      0x0094    //Alarm.com
#define MFG_ID_ALERTME                                       0x0126    //Alertme
#define MFG_ID_ALLEGION                                      0x003B    //Allegion
#define MFG_ID_ALPHONSUS_TECH                               0x0230    //Alphonsus Tech
#define MFG_ID_AMDPCS                                        0x019C    //Amdocs
#define MFG_ID_AMERICAN_GRID_INC                            0x005A    //American Grid, Inc.
#define MFG_ID_ANYCOMM_CORPORATION                          0x0078    //anyCOMM Corporation
#define MFG_ID_APPLIED_MICRO_ELECTRONICS_AME_BV             0x0144    //Applied Micro Electronics "AME" BV
#define MFG_ID_ASIA_HEADING                                 0x0029    //Asia Heading
#define MFG_ID_ASITEQ                                       0x0231    //ASITEQ

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#define MFG_ID_ASSA_ABLOY 0x0129 //ASSA ABLOY
#define MFG_ID_ASTRALINK 0x013B //AstraLink
#define MFG_ID_ATT 0x0134 //AT&T
#define MFG_ID_ATECH 0x002B //Atech
#define MFG_ID_ATHOM_BV 0x0244 //Athom BV
#define MFG_ID_AVADESIGN_TECHNOLOGY_CO_LTD 0x0155 //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 //Bandi Comm Tech Inc.
#define MFG_ID_BEIJING_SINOAMERICAN_BOYI_SOFTWARE_DEVELOPMENT_CO_L 0x0204 //Beijing Sino-American Boyi 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 0x0196 //Bellatrix Systems, Inc.
#define MFG_ID_BENEXT 0x008A //BeNext
#define MFG_ID_BESAFAER 0x002C //BeSafer
#define MFG_ID_BFT_SPA 0x014B //BFT S.p.A.
#define MFG_ID_BIT7_INC 0x0052 //Bit7 Inc.
#define MFG_ID_BLACK_DECKER 0x0090 //Black & Decker
#define MFG_ID_BMS_EVLER_LTD 0x0213 //BMS Evler LTD
#define MFG_ID_BOCA_DEVICES 0x0023 //Boca Devices
#define MFG_ID_BOSCH_SECURITY_SYSTEMS_INC 0x015C //Bosch Security Systems, Inc
#define MFG_ID_BRK_BRANDS_INC 0x0138 //BRK Brands, Inc.
#define MFG_ID_BROADBAND_ENERGY_NETWORKS_INC 0x002D //Broadband Energy Networks Inc.
#define MFG_ID_BTSTAR_HK_TECHNOLOGY_COMPANY_LIMITED 0x024A //BTSTAR(HK) TECHNOLOGY COMPANY
LIMITED
#define MFG_ID_BUFFALO_INC 0x0145 //Buffalo Inc.
#define MFG_ID_BUILDING_36_TECHNOLOGIES 0x0190 //Building 36 Technologies
#define MFG_ID_BULOGICS 0x0026 //BuLogics
#define MFG_ID_BONIG_UND_KALLENBACH_OHG 0x0169 //Bönig und Kallenbach oHG
#define MFG_ID_CAMEO_COMMUNICATIONS_INC 0x009C //Cameo Communications Inc.
#define MFG_ID_CARRIER 0x002E //Carrier
#define MFG_ID_CASAWORKS 0x000B //CasaWorks
#define MFG_ID_CASENIO_AG 0x0243 //casenio AG
#define MFG_ID_CBCC_DOMOTIQUE_SAS 0x0166 //CBCC Domotique SAS
#define MFG_ID_CENTRALITE_SYSTEMS_INC 0x0246 //Centralite Systems, Inc
#define MFG_ID_CHECKIT_SOLUTIONS_INC 0x014E //Check-It Solutions Inc.
#define MFG_ID_CHROMAGIC_TECHNOLOGIES_CORPORATION 0x0116 //Chromagic Technologies Corporation
#define MFG_ID_CISCO_CONSUMER_BUSINESS_GROUP 0x0082 //Cisco Consumer Business Group
#define MFG_ID_CLIMAX_TECHNOLOGY_LTD 0x018E //Climax Technology, Ltd.
#define MFG_ID_CLOUD_MEDIA 0x0200 //Cloud Media
#define MFG_ID_COLOR_KINETICS_INCORPORATED 0x002F //Color Kinetics Incorporated
#define MFG_ID_COMPUTIME 0x0140 //Computime
#define MFG_ID_CONNECTED_OBJECT 0x011B //Connected Object
#define MFG_ID_CONNECTHOME 0x0179 //ConnectHome
#define MFG_ID_CONTROLTHINK_LC 0x0019 //ControlThink LC
#define MFG_ID_CONVERGEX_LTD 0x000F //ConvergeX Ltd.
#define MFG_ID_COOLGUARD 0x007D //CoolGuard
#define MFG_ID_COOPER_LIGHTING 0x0079 //Cooper Lighting
#define MFG_ID_COOPER_WIRING_DEVICES 0x001A //Cooper Wiring Devices
#define MFG_ID_COVENTIVE_TECHNOLOGIES_INC 0x009D //Coventive Technologies Inc.
#define MFG_ID_CYBERHOUSE 0x0014 //Cyberhouse
#define MFG_ID_CYBERTAN_TECHNOLOGY_INC 0x0067 //CybertAN Technology, Inc.
#define MFG_ID_CYTECH_TECHNOLOGY_PRE_LTD 0x0030 //Cytech Technology Pre Ltd.
#define MFG_ID_DANFOSS 0x0002 //Danfoss
#define MFG_ID_DAWON_DNS 0x018C //Dawon DNS
#define MFG_ID_DECORIS_INTELLIGENT_SYSTEM_LIMITED 0x020A //Decoris Intelligent System Limited
#define MFG_ID_DEFACONTROLS_BV 0x013F //Defacontrols BV
#define MFG_ID_DESTINY_NETWORKS 0x0031 //Destiny Networks
#define MFG_ID_DEVOLO 0x0175 //Devollo
#define MFG_ID_DIEHL_AKO 0x0103 //Diehl AKO
#define MFG_ID_DIGITAL_5_INC 0x0032 //Digital 5, Inc.
#define MFG_ID_DIGITAL_HOME_SYSTEMS_PTY_LTD_ 0x024E //Digital Home Systems Pty Ltd,
#define MFG_ID_DIGITALZONE 0x0228 //DigitalZone
#define MFG_ID_DLINK 0x0108 //D-Link
#define MFG_ID_DMP_DIGITAL_MONITORING_PRODUCTS 0x0127 //DMP (Digital Monitoring Products)
#define MFG_ID_DOMINO_SISTEMI_DOO 0x0177 //Domino sistemi d.o.o.
#define MFG_ID_DOMITECH_PRODUCTS_LLC 0x020E //Domitech Products, LLC
#define MFG_ID_DONGGUAN_ZHOU_DA_ELECTRONICS_CO_LTD 0x020C //Dongguan Zhou Da Electronics Co.,Ltd
#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 0x0223 //DTV Research Unipessoal, Lda
#define MFG_ID_DYNAQUIP_CONTROLS 0x0132 //DynaQuip Controls
#define MFG_ID_EASY_SAVER_CO_INC 0x0247 //EASY SAVER Co., Inc
#define MFG_ID_EBV 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 0x010D //e-Home AUTOMATION
#define MFG_ID_EKA_SYSTEMS 0x0087 //Eka Systems
#define MFG_ID_ELECTRONIC_SOLUTIONS 0x0033 //Electronic Solutions
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#define MFG_ID_ELEXA_CONSUMER_PRODUCTS_INC 0x021F //Elexa Consumer Products Inc.
#define MFG_ID_ELGEV_ELECTRONICS_LTD 0x0034 //El-Gev Electronics LTD
#define MFG_ID_ELK_PRODUCTS_INC 0x001B //ELK Products, Inc.
#define MFG_ID_EMBEDDED_SYSTEM_DESIGN_LIMITED 0x020B //Embedded System Design Limited
#define MFG_ID_EMBEDIT_AS 0x0035 //Embedit A/S
#define MFG_ID_ENBLINK_CO_LTD 0x014D //Enblink Co. Ltd
#define MFG_ID_ENWOX_TECHNOLOGIES_SRO 0x0219 //Enwox Technologies s.r.o.
#define MFG_ID_ERONE 0x006F //Erone
#define MFG_ID_ESSENCE_SECURITY 0x0160 //Essence Security
#define MFG_ID_EUROTRONICS 0x0148 //Eurotronics
#define MFG_ID_EVERSPRING 0x0060 //Everspring
#define MFG_ID_EVOLVE 0x0113 //Evolve
#define MFG_ID_EXCEPTIONAL_INNOVATIONS 0x0036 //Exceptional Innovations
#define MFG_ID_EXHAUSTO 0x0004 //Exhausto
#define MFG_ID_EXIGENT_SENSORS 0x009F //Exigent Sensors
#define MFG_ID_EXPRESS_CONTROLS 0x001E //Express Controls
#define MFG_ID_EZEX_CORPORATION 0x0233 //eZEX Corporation
#define MFG_ID_FAKRO 0x0085 //Fakro
#define MFG_ID_FANTEM 0x016A //Fantem
#define MFG_ID_FIBARGROUP 0x010F //Fibargroup
#define MFG_ID_FLEXTRONICS 0x018D //Flextronics
#define MFG_ID_FLUE_SENTINEL 0x0024 //Flue Sentinel
#define MFG_ID_FOARD_SYSTEMS 0x0037 //Foard Systems
#define MFG_ID_FOCAL_POINT_LIMITED 0x018F //Focal Point Limited
#define MFG_ID_FOLLOWGOOD_TECHNOLOGY_COMPANY_LTD 0x0137 //FollowGood Technology Company Ltd.
#define MFG_ID_FOREST_GROUP_NEDERLAND_BV 0x0207 //Forest Group Nederland B.V
#define MFG_ID_FORTREZZ_LLC 0x0084 //FortrezZ LLC
#define MFG_ID_FOXCONN 0x011D //Foxconn
#define MFG_ID_FROSTDAL 0x0110 //Frostdale
#define MFG_ID_GES 0x025A //GES
#define MFG_ID_GKB_SECURITY_CORPORATION 0x022B //GKB Security Corporation
#define MFG_ID_GLOBALCHINATECH 0x018A //Globalchina-Tech
#define MFG_ID_GOAP 0x0159 //Goap
#define MFG_ID_GOGGIN_RESEARCH 0x0076 //Goggin Research
#define MFG_ID_GOOD_WAY_TECHNOLOGY_CO_LTD 0x0068 //Good Way Technology Co., Ltd
#define MFG_ID_GREENWAVE_REALITY_INC 0x0099 //GreenWave Reality Inc.
#define MFG_ID_GRIB 0x018B //Grib
#define MFG_ID_GUANGZHOU_RUIXIANG_ME_CO_LTD 0x016D //Guangzhou Ruixiang M&E Co., Ltd
#define MFG_ID_GUANGZHOU_ZEEWAVE_INFORMATION_TECHNOLOGY_CO_LTD 0x0158 //GuangZhou Zeewave Information Technology Co., Ltd.
#define MFG_ID_HANKOOK_GAS_KIKI_CO_LTD 0x024C //Hankook Gas Kiki CO.,LTD.
#define MFG_ID_HAUPPAUGE 0x025C //Hauppauge
#define MFG_ID_HAWKING_TECHNOLOGIES_INC 0x0073 //Hawking Technologies Inc.
#define MFG_ID HERALD DATANETICS LIMITED 0x020F //Herald Datanetics Limited
#define MFG_ID_HITECH_AUTOMATION 0x0017 //HiTech Automation
#define MFG_ID_HOLION_ELECTRONIC_ENGINEERING_CO_LTD 0x0181 //Holion Electronic Engineering Co., Ltd
#define MFG_ID_HOLTEC_ELECTRONICS_BV 0x013E //Holtec Electronics BV
#define MFG_ID_HOME_AUTOMATED_LIVING 0x000D //Home Automated Living
#define MFG_ID_HOME_AUTOMATION_EUROPE 0x009A //Home Automation Europe
#define MFG_ID_HOME_AUTOMATION_INC 0x005B //Home Automation Inc.
#define MFG_ID_HOME_DIRECTOR 0x0038 //Home Director
#define MFG_ID_HOMEMANAGEABLES_INC 0x0070 //Homemanageables, Inc.
#define MFG_ID_HOMEPRO 0x0050 //Homepro
#define MFG_ID_HOMESCENARIO 0x0162 //HomeScenario
#define MFG_ID_HOMESEER_TECHNOLOGIES 0x000C //HomeSeer Technologies
#define MFG_ID_HONEST_TECHNOLOGY_CO_LTD 0x023D //Honest Technology Co., Ltd.
#define MFG_ID_HONEYWELL 0x0039 //Honeywell
#define MFG_ID_HORSTMANN_CONTROLS_LIMITED 0x0059 //Horstmann Controls Limited
#define MFG_ID_HOSEOTELNET 0x0221 //HOSEOTELNET
#define MFG_ID_HUAPIN_INFORMATION_TECHNOLOGY_CO_LTD 0x0180 //Huapin Information Technology Co.,Ltd
#define MFG_ID_HUAWEI_TECHNOLOGIES_CO_LTD 0x024B //Huawei Technologies Co., Ltd.
#define MFG_ID_HUNTER_DOUGLAS 0x007C //Hunter Douglas
#define MFG_ID_IAUTOMADE_PTE_LTD 0x0218 //iAutomade Pte Ltd
#define MFG_ID_ICOM_TECHNOLOGY_BV 0x0011 //iCOM Technology b.v.
#define MFG_ID_ICONTROL 0x0106 //iControl
#define MFG_ID_ICONTROL_NETWORKS 0x0106 //Icontrol Networks
#define MFG_ID_IDRF 0x0165 //ID-RF
#define MFG_ID_IEXERGY_GMBH 0x019E //iEXERGY GmbH
#define MFG_ID_IMPACT_TECHNOLOGIES_AND_PRODUCTS 0x0056 //Impact Technologies and Products
#define MFG_ID_IMPACT_TECHNOLOGIES_BV 0x0061 //Impact Technologies BV
#define MFG_ID_INFUSION_DEVELOPMENT 0x012B //Infusion Development
#define MFG_ID_INGERSOLL_RAND_SCHLAGE 0x006C //Ingersoll Rand (Schlage)
#define MFG_ID_INGERSOLL_RAND_ECOLINK 0x011F //Ingersoll Rand (was Ecolink)
#define MFG_IDINKEL_CORP 0x0256 //Inkel Corp.
#define MFG_ID_INLON_SRL 0x003A //Inlon Srl
#define MFG_ID_INNOBAND_TECHNOLOGIES_INC 0x0141 //Innoband Technologies, Inc
#define MFG_ID_INNOVUS 0x0077 //INNOVUS
#define MFG_ID_INSIGNIA 0x0100 //Insignia
#define MFG_ID_INTEL 0x0006 //Intel

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#define MFG_ID_INTELLICON	0x001C	//IntelliCon
#define MFG_ID_INTERACTIVE_ELECTRONICS_SYSTEMS_IES (IES)	0x0072	//Interactive Electronics Systems
#define MFG_ID_INTERMATIC	0x0005	//Intermatic
#define MFG_ID_INTERNET_DOM	0x0013	//Internet Dom
#define MFG_ID_IQGROUP	0x005F	//IQ-Group
#define MFG_ID_IREVO	0x0212	//iRevo
#define MFG_ID_IUNGONL_BV	0x0253	//iungo.nl B.V.
#define MFG_ID_IWATSU	0x0123	//IWATSU
#define MFG_ID_JASCO_PRODUCTS	0x0063	//Jasco Products
#define MFG_ID_JIN_TAO_BAO	0x015A	//Jin Tao Bao
#define MFG_ID_JSW_PACIFIC_CORPORATION	0x0164	//JSW Pacific Corporation
#define MFG_ID_KAIPULE_TECHNOLOGY_CO_LTD	0x0214	//Kaipule Technology Co., Ltd.
#define MFG_ID_KAMSTRUP_AS	0x0091	//Kamstrup A/S
#define MFG_ID_KELLENDONK_ELEKTRONIK	0x006A	//Kellendonk Elektronik
#define MFG_ID_KICHLER	0x0114	//Kichler
#define MFG_ID_KOPERA_DEVELOPMENT_INC	0x0174	//Kopera Development Inc.
#define MFG_ID_KUMHO_ELECTRIC_INC	0x023A	//KUMHO ELECTRIC, INC
#define MFG_ID_LAGOTEK_CORPORATION	0x0051	//Lagotek Corporation
#define MFG_ID_LEAK_INTELLIGENCE_LLC	0x0173	//Leak Intelligence, LLC
#define MFG_ID_LEVION_TECHNOLOGIES_GMBH	0x0187	//LEVION Technologies GmbH
#define MFG_ID_LEVITON	0x001D	//Leviton
#define MFG_ID_LEXEL	0x0015	//Lexel
#define MFG_ID_LG_ELECTRONICS	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	0x0210	//Light Engine Limited
#define MFG_ID_LINEAR_CORP	0x014F	//Linear Corp
#define MFG_ID_LIVEGUARD_LTD	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	0x0025	//Loudwater Technologies, LLC
#define MFG_ID_LS_CONTROL	0x0071	//LS Control
#define MFG_ID_LVI_PRODUKTER_AB	0x0062	//LVI Produkter AB
#define MFG_ID_M2M_SOLUTION	0x0195	//M2M Solution
#define MFG_ID_MANODO_KTC	0x006E	//Manodo / KTC
#define MFG_ID_MARMITEK_BV	0x003D	//Marmitek BV
#define MFG_ID_MARTEC_ACCESS_PRODUCTS	0x003E	//Martec Access Products
#define MFG_ID_MARTIN_RENZ_GMBH	0x0092	//Martin Renz GmbH
#define MFG_ID_MB_TURN_KEY_DESIGN	0x008F	//MB Turn Key Design
#define MFG_ID_MCOHOME_TECHNOLOGY_CO_LTD	0x015F	//McoHome Technology Co., Ltd
#define MFG_ID_MCT_CO_LTD	0x0222	//MCT CO., LTD
#define MFG_ID_MEEDIO_LLC	0x0027	//Meedio, LLC
#define MFG_ID_MEGACHIPS	0x0107	//MegaChips
#define MFG_ID_MERCURY_CORPORATION	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	0x019D	//MOBILUS MOTOR Spółka z o.o.
#define MFG_ID_MODACOM_CO_LTD	0x0232	//MODACOM CO., LTD.
#define MFG_ID_MODSTROM	0x008D	//Modström
#define MFG_ID_MOHITO_NETWORKS	0x000E	//Mohito Networks
#define MFG_ID_MONOPRICE	0x0202	//Monoprice
#define MFG_ID_MONSTER_CABLE	0x007E	//Monster Cable
#define MFG_ID_MOTION_CONTROL_SYSTEMS	0x0125	//Motion Control Systems
#define MFG_ID_MOTOROLA	0x003F	//Motorola
#define MFG_ID_MSK_MIYAKAWA_SEISAKUSHO	0x0122	//MSK - Miyakawa Seisakusho
#define MFG_ID_MTC_MAINTRONIC_GERMANY	0x0083	//MTC Maintronic Germany
#define MFG_ID_MYSTROM	0x0143	//myStrom
#define MFG_ID_NANJING_EASTHOUSE_ELECTRICAL_CO_LTD Ltd.	0x016E	//Nanjing Easthouse Electrical Co.,
#define MFG_ID_NAPCO_SECURITY_TECHNOLOGIES_INC	0x0121	//Napco Security Technologies, Inc.
#define MFG_ID_NEFIT	0x006D	//Nefit
#define MFG_ID_NESS_CORPORATION_PTY_LTD	0x0189	//Ness Corporation Pty Ltd
#define MFG_ID_NETGEAR	0x0133	//Netgear
#define MFG_ID_NEWLAND_COMMUNICATION_SCIENCE_TECHNOLOGY_CO_LTD Technology Co., Ltd.	0x0203	//Newland Communication Science
#define MFG_ID_NEXIA_HOME_INTELLIGENCE	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_NORTHQ	0x0096	//NorthQ
#define MFG_ID_NOVAR_ELECTRICAL_DEVICES_AND_SYSTEMS_EDS (EDS)	0x0040	//Novar Electrical Devices and Systems
#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	0x0041	//OpenPeak Inc.
#define MFG_ID_PANASONIC_ELECTRIC_WORKS_CO_LTD	0x0104	//Panasonic Electric Works Co., Ltd.
#define MFG_ID_PARATECH	0x0257	//PARATECH

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#define MFG_ID_PASSIVSYSTEMS_LIMITED 0x0172 //PassivSystems Limited
#define MFG_ID_PELLA 0x013D //Pella
#define MFG_ID_PERMUNDO_GMBH 0x0245 //permundo GmbH
#define MFG_ID_PHILIO_TECHNOLOGY_CORP 0x013C //Philio Technology Corp
#define MFG_ID_PHYSICAL_GRAPH_CORPORATION 0x0150 //Physical Graph Corporation
#define MFG_ID_PITECH 0x007B //PiTech
#define MFG_ID_POLYCONTROL 0x010E //Poly-control
#define MFG_ID_POPP_CO 0x0154 //Popp & Co
#define MFG_ID_POWERHOUSE_DYNAMICS 0x0170 //Powerhouse Dynamics
#define MFG_ID_POWERLINX 0x0074 //PowerLinx
#define MFG_ID_POWERLYNX 0x0016 //PowerLynx
#define MFG_ID_PRAGMATIC_CONSULTING_INC 0x0042 //Pragmatic Consulting Inc.
#define MFG_ID_PRODRIVE_TECHNOLOGIES 0x0128 //Prodrive Technologies
#define MFG_ID_PROMIXIS_LLC 0x0161 //Promixis, LLC
#define MFG_ID_PULSE_TECHNOLOGIES_ASPALIS 0x005D //Pulse Technologies (Aspalis)
#define MFG_ID_QEES 0x0095 //Qees
#define MFG_ID_QOLSYS 0x012A //Qolsys
#define MFG_ID_QUBY 0x0130 //Quby
#define MFG_ID_QUEENLOCK_IND_CO_LTD 0x0163 //Queenlock Ind. Co., Ltd.
#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 //Raritan
#define MFG_ID_RED_BEE_CO_LTD 0x021E //Red Bee Co. Ltd
#define MFG_ID_REITZGRUPPE 0x0064 //Reitz-Group.de
#define MFG_ID_REMOTE_SOLUTION 0x022C //Remote Solution
#define MFG_ID_REMOTEC 0x5254 //Remotec
#define MFG_ID_RESIDENTIAL_CONTROL_SYSTEMS_INC_RCS 0x0010 //Residential Control Systems, Inc. (RCS)
#define MFG_ID_RET_NANJING_INTELLIGENCE_SYSTEM_CO_LTD 0x0216 //RET Nanjing Intelligence System Co.,Ltd
#define MFG_ID_REVOLV_INC 0x0153 //Revolv Inc
#define MFG_ID_RIMPORT_LTD 0x0147 //R-import Ltd.
#define MFG_ID_ROCCONNECT_INC 0x023B //ROC-Connect, Inc.
#define MFG_ID_RPE AJAX LLC DBS SECUR LTD 0x0197 //RPE Ajax LLC (dbs Secur Ltd)
#define MFG_ID_RS_SCENE_AUTOMATION 0x0065 //RS Scene Automation
#define MFG_ID_SAFETECH_PRODUCTS 0x023C //SafeTech Products
#define MFG_ID_SAMSUNG_ELECTRONICS_CO_LTD 0x0201 //Samsung Electronics Co., Ltd.
#define MFG_ID_SAMSUNG_SDS 0x022E //Samsung SDS
#define MFG_ID_SAN_SHIH_ELECTRICAL_ENTERPRISE_CO_LTD 0x0093 //San Shih Electrical Enterprise Co., Ltd.
#define MFG_ID_SANAV 0x012C //SANAV
#define MFG_ID_SCIENTIA_TECHNOLOGIES_INC 0x001F //Scientia Technologies, Inc.
#define MFG_ID_SECURE_WIRELESS 0x011E //Secure Wireless
#define MFG_ID_SECURENET_TECHNOLOGIES 0x0167 //SecureNet Technologies
#define MFG_ID_SECURIFI_LTD 0x0182 //Securifi Ltd.
#define MFG_ID_SELUXIT 0x0069 //Seluxit
#define MFG_ID_SENMATIC_AS 0x0043 //Senmatic A/S
#define MFG_ID_SENSATIVE_AB 0x019A //Sensative AB
#define MFG_ID_SEQUOIA_TECHNOLOGY_LTD 0x0044 //Sequoia Technology LTD
#define MFG_ID_SERCOMM_CORP 0x0151 //Sercomm Corp
#define MFG_ID_SHANGDONG_SMART_LIFE_DATA_SYSTEM_CO_LTD 0x0215 //Shangdong Smart Life Data System Co.,Ltd
#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 0x0205 //Shanghai Longchuang Eco-energy Systems Co., Ltd
#define MFG_ID_SHARP 0x010B //Sharp
#define MFG_ID_SHENZHEN_AOYA_INDUSTY_CO_LTD 0x021A //SHENZHEN AOYA INDUSTY CO. LTD
#define MFG_ID_SHENZHEN_ISURPASS_TECHNOLOGY_CO_LTD 0x021C //Shenzhen iSurpass Technology Co. ,Ltd
#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 0x0258 //Shenzhen Neo Electronics Co., Ltd
#define MFG_ID_SHENZHEN_TRIPATH_DIGITAL_AUDIO_EQUIPMENT_CO_LTD 0x0250 //Shenzhen Tripath Digital Audio Equipment Co.,Ltd
#define MFG_ID_SIEGENIAAUBI_KG 0x0081 //SIEGENIA-AUBI KG
#define MFG_ID_SIGMA_DESIGNS 0x0000 //Sigma Designs (Former Zensys)
#define MFG_ID_SINE_WIRELESS 0x0045 //Sine Wireless
#define MFG_ID_SMART_PRODUCTS_INC 0x0046 //Smart Products, Inc.
#define MFG_ID_SMARTLY_AS 0x024F //Smartly AS
#define MFG_ID_SMK_MANUFACTURING_INC 0x0102 //SMK Manufacturing Inc.
#define MFG_ID_SOMFY 0x0047 //Somfy
#define MFG_ID_SPECTRUM_BRANDS 0x0254 //Spectrum Brands
#define MFG_ID_SQUARE_CONNECT 0x0124 //Square Connect
#define MFG_ID_STT_ELECTRIC_CORPORATION 0x021B //ST&T Electric Corporation
#define MFG_ID_STARKOFF 0x0259 //Starkoff
#define MFG_ID_STELPRO 0x0239 //Stelpro

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#define MFG_ID_STRATTEC_ADVANCED_LOGIC_LLC 0x0217 //Strattec Advanced Logic,LLC
#define MFG_ID_STRATTEC_SECURITY_CORPORATION 0x0168 //STRATTEC Security Corporation
#define MFG_ID_SUMITOMO 0x0105 //Sumitomo
#define MFG_ID_SUPERNA 0x0054 //Superna
#define MFG_ID_SWANN_COMMUNICATIONS_PTY_LTD 0x0191 //Swann Communications Pty Ltd
#define MFG_ID_SYLVANIA 0x0009 //Sylvania
#define MFG_ID_SYSTECH_CORPORATION 0x0136 //Systech Corporation
#define MFG_ID_TAEWON_LIGHTING_CO_LTD 0x0235 //TAEWON Lighting Co., Ltd.
#define MFG_ID_TEAM_DIGITAL_LIMITED 0x0186 //Team Digital Limited
#define MFG_ID_TEAM_PRECISION_PCL 0x0089 //Team Precision PCL
#define MFG_ID_TECHNICOLOR 0x0240 //Technicolor
#define MFG_ID_TECHNIKU 0x000A //Techniku
#define MFG_ID_TECOM_CO_LTD 0x012F //Tecom Co., Ltd.
#define MFG_ID_TELL_IT_ONLINE 0x0012 //Tell It Online
#define MFG_ID_TELLDUS_TECHNOLOGIES_AB 0x0176 //Telldus Technologies AB
#define MFG_ID_TELSEY 0x0048 //Telsey
#define MFG_ID_TELULAR 0x017E //Telular
#define MFG_ID_TERRA_OPTIMA_BV_PRIMAIR_SERVICES 0x005C //Terra Optima B.V. (tidigere Primair Services)
#define MFG_ID_THERE_CORPORATION 0x010C //There Corporation
#define MFG_ID_THERMOFLOOR 0x019B //ThermoFloor
#define MFG_ID_TIMEVALVE_INC 0x022A //TIMEVALVE, Inc.
#define MFG_ID_TKB_HOME 0x0118 //TKB Home
#define MFG_ID_TKH_GROUP_EMINENT 0x011C //TKH Group / Eminent
#define MFG_ID_TRANE_CORPORATION 0x008B //Trane Corporation
#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 0x0055 //Tridium
#define MFG_ID_TWISTHINK 0x0049 //Twistthink
#define MFG_ID_UFAIRY_GR_TECH 0x0152 //UFairy G.R. Tech
#define MFG_ID_UNIVERSAL_DEVICES_INC 0x0193 //Universal Devices, Inc
#define MFG_ID_UNIVERSAL_ELECTRONICS_INC 0x0020 //Universal Electronics Inc.
#define MFG_ID_UNIVERSE_FUTURE 0x0183 //Universe Future
#define MFG_ID_UTC_FIRE_AND_SECURITY_AMERICAS_CORP 0x0209 //UTC Fire and Security Americas Corp
#define MFG_ID_VDA 0x010A //VDA
#define MFG_ID_VENSTAR_INC 0x0198 //Venstar Inc.
#define MFG_ID_VERA_CONTROL 0x008C //Vera Control
#define MFG_ID_VERO_DUCO 0x0080 //Vero Duco
#define MFG_ID_VESTEL_ELEKTRONIK_TICARET_VE_SANAYI_AS 0x0237 //Vestel Elektronik Ticaret ve Sanayi A.S.
#define MFG_ID_VIEWSONIC 0x0053 //Viewsonic
#define MFG_ID_VIEWSONIC_CORPORATION 0x005E //ViewSonic Corporation
#define MFG_ID_VIMAR_CRS 0x0007 //Vimar CRS
#define MFG_ID_VIPASTAR 0x0188 //Vipa-Star
#define MFG_ID_VISION_SECURITY 0x0109 //Vision Security
#define MFG_ID_VISUALIZE 0x004A //Visualize
#define MFG_ID_VITELEC 0x0058 //Vitelec
#define MFG_ID_VIVINT 0x0156 //Vivint
#define MFG_ID_VSSAFETY_AS 0x017B //Vs-Safety AS
#define MFG_ID_WATT_STOPPER 0x004B //Watt Stopper
#define MFG_ID_WAYNE_DALTON 0x0008 //Wayne Dalton
#define MFG_ID_WEBEE_LIFE 0x019F //Webee Life
#define MFG_ID_WEBEHOME_AB 0x0171 //WeBeHome AB
#define MFG_ID_WENZHOU_MTLT_ELECTRIC_APPLIANCES_CO_LTD 0x011A //Wenzhou MTLT Electric Appliances Co.,Ltd.
#define MFG_ID_WHIRLPOOL 0x0057 //Whirlpool
#define MFG_ID_WIDOM 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 0x0097 //Wintop
#define MFG_ID_WINYTECHNOLOGY 0x0242 //Winytechnology
#define MFG_ID_WIRELESS_MAINGATE_AB 0x0199 //Wireless Maingate AB
#define MFG_ID_WOODWARD_LABS 0x004C //Woodward Labs
#define MFG_ID_WRAP 0x0003 //Wr@p
#define MFG_ID_WRT_INTELLIGENT_TECHNOLOGY_CO_LTD 0x022F //WRT Intelligent Technology CO., LTD.
#define MFG_ID_WUHAN_NWD_TECHNOLOGY_CO_LTD 0x012E //Wuhan NWD Technology Co., Ltd.
#define MFG_ID_XANBOO 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 0x0131 //Zipato
#define MFG_ID_ZONOFF 0x0120 //Zonoff
#define MFG_ID_ZWAVE_TECHNOLOGIA 0x004F //Z-Wave Technologia
#define MFG_ID_ZWAVE_ME 0x0115 //Z-Wave.Me
#define MFG_ID_ZWORKS_INC 0x024D //Z-works Inc.
#define MFG_ID_ZYKRONIX 0x0021 //Zykronix
#define MFG_ID_ZYXEL 0x0135 //ZyXEL

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/****** command class identifiers *****/
#define COMMAND_CLASS_ALARM 0x71 /* [DEPRECATED] */
#define COMMAND_CLASS_ALARM_V2 0x71 /* [DEPRECATED] */
#define COMMAND_CLASS_NOTIFICATION_V3 0x71
#define COMMAND_CLASS_NOTIFICATION_V4 0x71
#define COMMAND_CLASS_NOTIFICATION_V5 0x71
#define COMMAND_CLASS_NOTIFICATION_V6 0x71
#define COMMAND_CLASS_NOTIFICATION_V7 0x71
#define COMMAND_CLASS_NOTIFICATION_V8 0x71
#define COMMAND_CLASS_APPLICATION_STATUS 0x22
#define COMMAND_CLASS_ASSOCIATION_COMMAND_CONFIGURATION 0x9B
#define COMMAND_CLASS_ASSOCIATION 0x85
#define COMMAND_CLASS_ASSOCIATION_V2 0x85
#define COMMAND_CLASS_AV_CONTENT_DIRECTORY_MD 0x95
#define COMMAND_CLASS_AV_CONTENT_SEARCH_MD 0x97
#define COMMAND_CLASS_AV_RENDERER_STATUS 0x96
#define COMMAND_CLASS_AV_TAGGING_MD 0x99
#define COMMAND_CLASS_BASIC_TARIFF_INFO 0x36
#define COMMAND_CLASS_BASIC_WINDOW_COVERING 0x50 /* [OBSOLETE] */
#define COMMAND_CLASS_BASIC 0x20
#define COMMAND_CLASS_BASIC_V2 0x20
#define COMMAND_CLASS_BATTERY 0x80
#define COMMAND_CLASS_CHIMNEY_FAN 0x2A
#define COMMAND_CLASS_CLIMATE_CONTROL_SCHEDULE 0x46 /* [DEPRECATED] */
#define COMMAND_CLASS_CLOCK 0x81
#define COMMAND_CLASS_CONFIGURATION 0x70
#define COMMAND_CLASS_CONFIGURATION_V2 0x70
#define COMMAND_CLASS_CONFIGURATION_V3 0x70
#define COMMAND_CLASS_CONFIGURATION_V4 0x70
#define COMMAND_CLASS_CONTROLLER_REPLICATION 0x21
#define COMMAND_CLASS_CRC_16_ENCAP 0x56
#define COMMAND_CLASS_DCP_CONFIG 0x3A
#define COMMAND_CLASS_DCP_MONITOR 0x3B
#define COMMAND_CLASS_DOOR_LOCK_LOGGING 0x4C
#define COMMAND_CLASS_DOOR_LOCK 0x62
#define COMMAND_CLASS_DOOR_LOCK_V2 0x62
#define COMMAND_CLASS_DOOR_LOCK_V3 0x62
#define COMMAND_CLASS_ENERGY_PRODUCTION 0x90
#define COMMAND_CLASS_FIRMWARE_UPDATE_MD 0x7A /* [DEPRECATED] */
#define COMMAND_CLASS_FIRMWARE_UPDATE_MD_V2 0x7A
#define COMMAND_CLASS_FIRMWARE_UPDATE_MD_V3 0x7A
#define COMMAND_CLASS_FIRMWARE_UPDATE_MD_V4 0x7A
#define COMMAND_CLASS_FIRMWARE_UPDATE_MD_V5 0x7A
#define COMMAND_CLASS_GEOGRAPHIC_LOCATION 0x8C
#define COMMAND_CLASS_GROUPING_NAME 0x7B /* [DEPRECATED] */
#define COMMAND_CLASS_HAIL 0x82 /* [DEPRECATED] */
#define COMMAND_CLASS_HRV_CONTROL 0x39
#define COMMAND_CLASS_HRV_STATUS 0x37
#define COMMAND_CLASS_INDICATOR 0x87
#define COMMAND_CLASS_INDICATOR_V2 0x87
#define COMMAND_CLASS_IP_CONFIGURATION 0x9A /* [OBSOLETE] */
#define COMMAND_CLASS_LANGUAGE 0x89
#define COMMAND_CLASS_LOCK 0x76 /* [DEPRECATED] */
#define COMMAND_CLASS_MANUFACTURER_PROPRIETARY 0x91
#define COMMAND_CLASS_MANUFACTURER_SPECIFIC 0x72
#define COMMAND_CLASS_MANUFACTURER_SPECIFIC_V2 0x72
#define COMMAND_CLASS_MARK 0xEF
#define COMMAND_CLASS_METER_PULSE 0x35 /* [DEPRECATED] */
#define COMMAND_CLASS_METER_TBL_CONFIG 0x3C
#define COMMAND_CLASS_METER_TBL_MONITOR 0x3D
#define COMMAND_CLASS_METER_TBL_MONITOR_V2 0x3D
#define COMMAND_CLASS_METER_TBL_PUSH 0x3E
#define COMMAND_CLASS_METER 0x32
#define COMMAND_CLASS_METER_V2 0x32
#define COMMAND_CLASS_METER_V3 0x32
#define COMMAND_CLASS_METER_V4 0x32
#define COMMAND_CLASS_MTP_WINDOW_COVERING 0x51 /* [OBSOLETE] */
#define COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION_V2 0x8E
#define COMMAND_CLASS_MULTI_CHANNEL_ASSOCIATION_V3 0x8E
#define COMMAND_CLASS_MULTI_CHANNEL_V2 0x60 /* [OBSOLETE] */
#define COMMAND_CLASS_MULTI_CHANNEL_V3 0x60
#define COMMAND_CLASS_MULTI_CHANNEL_V4 0x60
#define COMMAND_CLASS_MULTI_CMD 0x8F
#define COMMAND_CLASS_MULTI_INSTANCE_ASSOCIATION 0x8E /* [OBSOLETE] */
#define COMMAND_CLASS_MULTI_INSTANCE 0x60 /* [OBSOLETE] */
#define COMMAND_CLASS_NETWORK_MANAGEMENT_PROXY 0x52
#define COMMAND_CLASS_NETWORK_MANAGEMENT_PROXY_V2 0x52
#define COMMAND_CLASS_NETWORK_MANAGEMENT_BASIC 0x4D
#define COMMAND_CLASS_NETWORK_MANAGEMENT_BASIC_V2 0x4D
#define COMMAND_CLASS_NETWORK_MANAGEMENT_INCLUSION 0x34
#define COMMAND_CLASS_NETWORK_MANAGEMENT_INCLUSION_V2 0x34
```

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#define COMMAND_CLASS_NO_OPERATION 0x00
#define COMMAND_CLASS_NODE_NAMING 0x77
#define COMMAND_CLASS_NON_INTEROPERABLE 0xF0
#define COMMAND_CLASS_POWERLEVEL 0x73
#define COMMAND_CLASS_PREPAYMENT_ENCAPSULATION 0x41
#define COMMAND_CLASS_PREPAYMENT 0x3F
#define COMMAND_CLASS_PROPRIETARY 0x88 /* [DEPRECATED] */
#define COMMAND_CLASS_PROTECTION 0x75
#define COMMAND_CLASS_PROTECTION_V2 0x75
#define COMMAND_CLASS_RATE_TBL_CONFIG 0x48
#define COMMAND_CLASS_RATE_TBL_MONITOR 0x49
#define COMMAND_CLASS_REMOTE_ASSOCIATION_ACTIVATE 0x7C /* [OBSOLETE] */
#define COMMAND_CLASS_REMOTE_ASSOCIATION 0x7D /* [OBSOLETE] */
#define COMMAND_CLASS_SCENE_ACTIVATION 0x2B
#define COMMAND_CLASS_SCENE_ACTUATOR_CONF 0x2C
#define COMMAND_CLASS_SCENE_CONTROLLER_CONF 0x2D
#define COMMAND_CLASS_SCHEDULE_ENTRY_LOCK 0x4E /* [DEPRECATED] */
#define COMMAND_CLASS_SCHEDULE_ENTRY_LOCK_V2 0x4E /* [DEPRECATED] */
#define COMMAND_CLASS_SCHEDULE_ENTRY_LOCK_V3 0x4E /* [DEPRECATED] */
#define COMMAND_CLASS_SCREEN_ATTRIBUTES 0x93
#define COMMAND_CLASS_SCREEN_ATTRIBUTES_V2 0x93
#define COMMAND_CLASS_SCREEN_MD 0x92
#define COMMAND_CLASS_SCREEN_MD_V2 0x92
#define COMMAND_CLASS_SECURITY_PANEL_MODE 0x24
#define COMMAND_CLASS_SECURITY_PANEL_ZONE_SENSOR 0x2F
#define COMMAND_CLASS_SECURITY_PANEL_ZONE 0x2E
#define COMMAND_CLASS_SECURITY 0x98
#define COMMAND_CLASS_SENSOR_ALARM 0x9C /* SDS10963-4 The
Sensor Alarm command class can be used to realize Sensor Alarms.*/
#define COMMAND_CLASS_SENSOR_BINARY 0x30 /* [DEPRECATED] */
#define COMMAND_CLASS_SENSOR_BINARY_V2 0x30 /* [DEPRECATED] */
#define COMMAND_CLASS_SENSOR_CONFIGURATION 0x9E /* [OBSOLETE] */
#define COMMAND_CLASS_SENSOR_MULTILEVEL 0x31
#define COMMAND_CLASS_SENSOR_MULTILEVEL_V2 0x31
#define COMMAND_CLASS_SENSOR_MULTILEVEL_V3 0x31
#define COMMAND_CLASS_SENSOR_MULTILEVEL_V4 0x31
#define COMMAND_CLASS_SENSOR_MULTILEVEL_V5 0x31
#define COMMAND_CLASS_SENSOR_MULTILEVEL_V6 0x31
#define COMMAND_CLASS_SENSOR_MULTILEVEL_V7 0x31
#define COMMAND_CLASS_SENSOR_MULTILEVEL_V8 0x31
#define COMMAND_CLASS_SENSOR_MULTILEVEL_V9 0x31
#define COMMAND_CLASS_SENSOR_MULTILEVEL_V10 0x31
#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 0x94
#define COMMAND_CLASS_SWITCH_ALL 0x27
#define COMMAND_CLASS_SWITCH_BINARY 0x25
#define COMMAND_CLASS_SWITCH_BINARY_V2 0x25
#define COMMAND_CLASS_SWITCH_MULTILEVEL 0x26
#define COMMAND_CLASS_SWITCH_MULTILEVEL_V2 0x26
#define COMMAND_CLASS_SWITCH_MULTILEVEL_V3 0x26
#define COMMAND_CLASS_SWITCH_MULTILEVEL_V4 0x26
#define COMMAND_CLASS_SWITCH_TOGGLE_BINARY 0x28 /* [DEPRECATED] */
#define COMMAND_CLASS_SWITCH_TOGGLE_MULTILEVEL 0x29 /* [DEPRECATED] */
#define COMMAND_CLASS_TARIFF_CONFIG 0x4A
#define COMMAND_CLASS_TARIFF_TBL_MONITOR 0x4B
#define COMMAND_CLASS_THERMOSTAT_FAN_MODE 0x44
#define COMMAND_CLASS_THERMOSTAT_FAN_MODE_V2 0x44
#define COMMAND_CLASS_THERMOSTAT_FAN_MODE_V3 0x44
#define COMMAND_CLASS_THERMOSTAT_FAN_MODE_V4 0x44
#define COMMAND_CLASS_THERMOSTAT_FAN_STATE 0x45
#define COMMAND_CLASS_THERMOSTAT_FAN_STATE_V2 0x45
#define COMMAND_CLASS_THERMOSTAT_HEATING 0x38
#define COMMAND_CLASS_THERMOSTAT_MODE 0x40
#define COMMAND_CLASS_THERMOSTAT_MODE_V2 0x40
#define COMMAND_CLASS_THERMOSTAT_MODE_V3 0x40
#define COMMAND_CLASS_THERMOSTAT_OPERATING_STATE 0x42
#define COMMAND_CLASS_THERMOSTAT_OPERATING_STATE_V2 0x42
#define COMMAND_CLASS_THERMOSTAT_SETBACK 0x47
#define COMMAND_CLASS_THERMOSTAT_SETPOINT 0x43
#define COMMAND_CLASS_THERMOSTAT_SETPOINT_V2 0x43
#define COMMAND_CLASS_THERMOSTAT_SETPOINT_V3 0x43
#define COMMAND_CLASS_TIME_PARAMETERS 0x8B
#define COMMAND_CLASS_TIME 0x8A
#define COMMAND_CLASS_TIME_V2 0x8A
#define COMMAND_CLASS_TRANSPORT_SERVICE_V2 0x55
#define COMMAND_CLASS_TRANSPORT_SERVICE 0x55 /* [OBSOLETE] */
#define COMMAND_CLASS_USER_CODE 0x63
#define COMMAND_CLASS_VERSION 0x86
#define COMMAND_CLASS_VERSION_V2 0x86
#define COMMAND_CLASS_WAKE_UP 0x84
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#define COMMAND_CLASS_WAKE_UP_V2 0x84
#define COMMAND_CLASS_ZIP_6LOWPAN 0x4F
#define COMMAND_CLASS_ZIP 0x23 /* [OBSOLETE] */
#define COMMAND_CLASS_ZIP_V2 0x23
#define COMMAND_CLASS_ZIP_V3 0x23
#define COMMAND_CLASS_APPLICATION_CAPABILITY 0x57
#define COMMAND_CLASS_SWITCH_COLOR 0x33
#define COMMAND_CLASS_SWITCH_COLOR_V2 0x33
#define COMMAND_CLASS_SWITCH_COLOR_V3 0x33
#define COMMAND_CLASS_SCHEDULE 0x53
#define COMMAND_CLASS_SCHEDULE_V2 0x53
#define COMMAND_CLASS_SCHEDULE_V3 0x53
#define COMMAND_CLASS_NETWORK_MANAGEMENT_PRIMARY 0x54
#define COMMAND_CLASS_ZIP_ND 0x58
#define COMMAND_CLASS_ASSOCIATION_GRP_INFO 0x59
#define COMMAND_CLASS_ASSOCIATION_GRP_INFO_V2 0x59
#define COMMAND_CLASS_ASSOCIATION_GRP_INFO_V3 0x59
#define COMMAND_CLASS_DEVICE_RESET_LOCALLY 0x5A
#define COMMAND_CLASS_CENTRAL_SCENE 0x5B
#define COMMAND_CLASS_CENTRAL_SCENE_V2 0x5B
#define COMMAND_CLASS_CENTRAL_SCENE_V3 0x5B
#define COMMAND_CLASS_IP_ASSOCIATION 0x5C
#define COMMAND_CLASS_ANTITHEFT 0x5D /* [OBSOLETE] */
#define COMMAND_CLASS_ANTITHEFT_V2 0x5D
#define COMMAND_CLASS_ZWAVEPLUS_INFO 0x5E /* [OBSOLETE] */
#define COMMAND_CLASS_ZWAVEPLUS_INFO_V2 0x5E /* SDS11907-3 */
#define COMMAND_CLASS_ZIP_GATEWAY 0x5F
#define COMMAND_CLASS_ZIP_PORTAL 0x61
#define COMMAND_CLASS_DMX 0x65
#define COMMAND_CLASS_BARRIER_OPERATOR 0x66
#define COMMAND_CLASS_NETWORK_MANAGEMENT_INSTALLATION_MAINTENANCE 0x67
#define COMMAND_CLASS_ZIP_NAMING 0x68
#define COMMAND_CLASS_MAILBOX 0x69
#define COMMAND_CLASS_WINDOW_COVERING 0x6A
#define COMMAND_CLASS_SECURITY_2 0x9F
#define COMMAND_CLASS_IRRIGATION 0x6B
#define COMMAND_CLASS_SUPERVISION 0x6C
#define COMMAND_CLASS_HUMIDITY_CONTROL_SETPOINT 0x64
#define COMMAND_CLASS_HUMIDITY_CONTROL_MODE 0x6D
#define COMMAND_CLASS_HUMIDITY_CONTROL_OPERATING_STATE 0x6E
#define COMMAND_CLASS_ENTRY_CONTROL 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 0x02
#define ALARM_GET_V2 0x04
#define ALARM_REPORT_V2 0x05
#define ALARM_SET_V2 0x06
#define ALARM_TYPE_SUPPORTED_GET_V2 0x07
#define ALARM_TYPE_SUPPORTED_REPORT_V2 0x08
/* Values used for Alarm Get command */
#define ALARM_GET_RESERVED_V2 0x00
#define ALARM_GET_SMOKE_V2 0x01
#define ALARM_GET_CO_V2 0x02
#define ALARM_GET_CO2_V2 0x03
#define ALARM_GET_HEAT_V2 0x04
#define ALARM_GET_WATER_V2 0x05
#define ALARM_GET_ACCESS_CONTROL_V2 0x06
#define ALARM_GET_BURGLAR_V2 0x07
#define ALARM_GET_POWER_MANAGEMENT_V2 0x08
#define ALARM_GET_SYSTEM_V2 0x09
#define ALARM_GET_EMERGENCY_V2 0x0A
#define ALARM_GET_CLOCK_V2 0x0B
#define ALARM_GET_FIRST_V2 0xFF
/* Values used for Alarm Report command */
#define ALARM_REPORT_RESERVED_V2 0x00
#define ALARM_REPORT_SMOKE_V2 0x01
#define ALARM_REPORT_CO_V2 0x02
#define ALARM_REPORT_CO2_V2 0x03
#define ALARM_REPORT_HEAT_V2 0x04
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#define ALARM_REPORT_WATER_V2 0x05
#define ALARM_REPORT_ACCESS_CONTROL_V2 0x06
#define ALARM_REPORT_BURGLAR_V2 0x07
#define ALARM_REPORT_POWER_MANAGEMENT_V2 0x08
#define ALARM_REPORT_SYSTEM_V2 0x09
#define ALARM_REPORT_EMERGENCY_V2 0x0A
#define ALARM_REPORT_CLOCK_V2 0x0B
#define ALARM_REPORT_FIRST_V2 0xFF
/* Values used for Alarm Set command */
#define ALARM_SET_RESERVED_V2 0x00
#define ALARM_SET_SMOKE_V2 0x01
#define ALARM_SET_CO_V2 0x02
#define ALARM_SET_CO2_V2 0x03
#define ALARM_SET_HEAT_V2 0x04
#define ALARM_SET_WATER_V2 0x05
#define ALARM_SET_ACCESS_CONTROL_V2 0x06
#define ALARM_SET_BURGLAR_V2 0x07
#define ALARM_SET_POWER_MANAGEMENT_V2 0x08
#define ALARM_SET_SYSTEM_V2 0x09
#define ALARM_SET_EMERGENCY_V2 0x0A
#define ALARM_SET_CLOCK_V2 0x0B
#define ALARM_SET_FIRST_V2 0xFF
/* Values used for Alarm Type Supported Report command */
#define ALARM_TYPE_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V2 0x1F
#define ALARM_TYPE_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V2 0x60
#define ALARM_TYPE_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V2 0x05
#define ALARM_TYPE_SUPPORTED_REPORT_PROPERTIES1_V1_ALARM_BIT_MASK_V2 0x80

/* Notification command class commands */
#define NOTIFICATION_VERSION_V3 0x03
#define NOTIFICATION_GET_V3 0x04
#define NOTIFICATION_REPORT_V3 0x05
#define NOTIFICATION_SET_V3 0x06
#define NOTIFICATION_SUPPORTED_GET_V3 0x07
#define NOTIFICATION_SUPPORTED_REPORT_V3 0x08
#define EVENT_SUPPORTED_GET_V3 0x01
#define EVENT_SUPPORTED_REPORT_V3 0x02
/* Values used for Notification Get command */
#define NOTIFICATION_GET_RESERVED_V3 0x00
#define NOTIFICATION_GET_SMOKE_V3 0x01
#define NOTIFICATION_GET_CO_V3 0x02
#define NOTIFICATION_GET_CO2_V3 0x03
#define NOTIFICATION_GET_HEAT_V3 0x04
#define NOTIFICATION_GET_WATER_V3 0x05
#define NOTIFICATION_GET_ACCESS_CONTROL_V3 0x06
#define NOTIFICATION_GET_BURGLAR_V3 0x07
#define NOTIFICATION_GET_POWER_MANAGEMENT_V3 0x08
#define NOTIFICATION_GET_SYSTEM_V3 0x09
#define NOTIFICATION_GET_EMERGENCY_V3 0x0A
#define NOTIFICATION_GET_CLOCK_V3 0x0B
#define NOTIFICATION_GET_FIRST_V3 0xFF
/* Values used for Notification Report command */
#define NOTIFICATION_REPORT_RESERVED_V3 0x00
#define NOTIFICATION_REPORT_SMOKE_V3 0x01
#define NOTIFICATION_REPORT_CO_V3 0x02
#define NOTIFICATION_REPORT_CO2_V3 0x03
#define NOTIFICATION_REPORT_HEAT_V3 0x04
#define NOTIFICATION_REPORT_WATER_V3 0x05
#define NOTIFICATION_REPORT_ACCESS_CONTROL_V3 0x06
#define NOTIFICATION_REPORT_BURGLAR_V3 0x07
#define NOTIFICATION_REPORT_POWER_MANAGEMENT_V3 0x08
#define NOTIFICATION_REPORT_SYSTEM_V3 0x09
#define NOTIFICATION_REPORT_EMERGENCY_V3 0x0A
#define NOTIFICATION_REPORT_CLOCK_V3 0x0B
#define NOTIFICATION_REPORT_FIRST_V3 0xFF
#define NOTIFICATION_REPORT_PROPERTIES1_EVENT_PARAMETERS_LENGTH_MASK_V3 0x1F
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_MASK_V3 0x60
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_SHIFT_V3 0x05
#define NOTIFICATION_REPORT_PROPERTIES1_SEQUENCE_BIT_MASK_V3 0x80
/* Values used for Notification Set command */
#define NOTIFICATION_SET_RESERVED_V3 0x00
#define NOTIFICATION_SET_SMOKE_V3 0x01
#define NOTIFICATION_SET_CO_V3 0x02
#define NOTIFICATION_SET_CO2_V3 0x03
#define NOTIFICATION_SET_HEAT_V3 0x04
#define NOTIFICATION_SET_WATER_V3 0x05
#define NOTIFICATION_SET_ACCESS_CONTROL_V3 0x06
#define NOTIFICATION_SET_BURGLAR_V3 0x07
#define NOTIFICATION_SET_POWER_MANAGEMENT_V3 0x08
#define NOTIFICATION_SET_SYSTEM_V3 0x09
#define NOTIFICATION_SET_EMERGENCY_V3 0x0A
```



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#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 0x1F
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V3 0x60
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V3 0x05
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_V1_ALARM_BIT_MASK_V3 0x80
/* Values used for Event Supported Get command */
#define EVENT_SUPPORTED_GET_RESERVED_V3 0x00
#define EVENT_SUPPORTED_GET_SMOKE_V3 0x01
#define EVENT_SUPPORTED_GET_CO_V3 0x02
#define EVENT_SUPPORTED_GET_CO2_V3 0x03
#define EVENT_SUPPORTED_GET_HEAT_V3 0x04
#define EVENT_SUPPORTED_GET_WATER_V3 0x05
#define EVENT_SUPPORTED_GET_ACCESS_CONTROL_V3 0x06
#define EVENT_SUPPORTED_GET_BURGLAR_V3 0x07
#define EVENT_SUPPORTED_GET_POWER_MANAGEMENT_V3 0x08
#define EVENT_SUPPORTED_GET_SYSTEM_V3 0x09
#define EVENT_SUPPORTED_GET_EMERGENCY_V3 0x0A
#define EVENT_SUPPORTED_GET_CLOCK_V3 0x0B
#define EVENT_SUPPORTED_GET_FIRST_V3 0xFF
/* Values used for Event Supported Report command */
#define EVENT_SUPPORTED_REPORT_RESERVED_V3 0x00
#define EVENT_SUPPORTED_REPORT_SMOKE_V3 0x01
#define EVENT_SUPPORTED_REPORT_CO_V3 0x02
#define EVENT_SUPPORTED_REPORT_CO2_V3 0x03
#define EVENT_SUPPORTED_REPORT_HEAT_V3 0x04
#define EVENT_SUPPORTED_REPORT_WATER_V3 0x05
#define EVENT_SUPPORTED_REPORT_ACCESS_CONTROL_V3 0x06
#define EVENT_SUPPORTED_REPORT_BURGLAR_V3 0x07
#define EVENT_SUPPORTED_REPORT_POWER_MANAGEMENT_V3 0x08
#define EVENT_SUPPORTED_REPORT_SYSTEM_V3 0x09
#define EVENT_SUPPORTED_REPORT_EMERGENCY_V3 0x0A
#define EVENT_SUPPORTED_REPORT_CLOCK_V3 0x0B
#define EVENT_SUPPORTED_REPORT_FIRST_V3 0xFF
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V3 0x1F
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V3 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 0x05
#define NOTIFICATION_SET_V4 0x06
#define NOTIFICATION_SUPPORTED_GET_V4 0x07
#define NOTIFICATION_SUPPORTED_REPORT_V4 0x08
#define EVENT_SUPPORTED_GET_V4 0x01
#define EVENT_SUPPORTED_REPORT_V4 0x02
/* Values used for Notification Get command */
#define NOTIFICATION_GET_RESERVED_V4 0x00
#define NOTIFICATION_GET_SMOKE_V4 0x01
#define NOTIFICATION_GET_CO_V4 0x02
#define NOTIFICATION_GET_CO2_V4 0x03
#define NOTIFICATION_GET_HEAT_V4 0x04
#define NOTIFICATION_GET_WATER_V4 0x05
#define NOTIFICATION_GET_ACCESS_CONTROL_V4 0x06
#define NOTIFICATION_GET_HOME_SECURITY_V4 0x07
#define NOTIFICATION_GET_POWER_MANAGEMENT_V4 0x08
#define NOTIFICATION_GET_SYSTEM_V4 0x09
#define NOTIFICATION_GET_EMERGENCY_V4 0x0A
#define NOTIFICATION_GET_CLOCK_V4 0x0B
#define NOTIFICATION_GET_APPLIANCE_V4 0x0C
#define NOTIFICATION_GET_HOME_HEALTH_V4 0x0D
#define NOTIFICATION_GET_FIRST_V4 0xFF
/* Values used for Notification Report command */
#define NOTIFICATION_REPORT_OFF_V4 0x00
#define NOTIFICATION_REPORT_NO_PENDING_NOTIFICATIONS_V4 0xFE
#define NOTIFICATION_REPORT_ON_V4 0xFF
#define NOTIFICATION_REPORT_RESERVED_V4 0x00
#define NOTIFICATION_REPORT_SMOKE_V4 0x01
#define NOTIFICATION_REPORT_CO_V4 0x02
#define NOTIFICATION_REPORT_CO2_V4 0x03
#define NOTIFICATION_REPORT_HEAT_V4 0x04
#define NOTIFICATION_REPORT_WATER_V4 0x05
#define NOTIFICATION_REPORT_ACCESS_CONTROL_V4 0x06
#define NOTIFICATION_REPORT_HOME_SECURITY_V4 0x07
#define NOTIFICATION_REPORT_POWER_MANAGEMENT_V4 0x08
#define NOTIFICATION_REPORT_SYSTEM_V4 0x09
#define NOTIFICATION_REPORT_EMERGENCY_V4 0x0A
#define NOTIFICATION_REPORT_CLOCK_V4 0x0B
#define NOTIFICATION_REPORT_APPLIANCE_V4 0x0C
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#define NOTIFICATION_REPORT_HOME_HEALTH_V4 0x0D
#define NOTIFICATION_REPORT_FIRST_V4 0xFF
#define NOTIFICATION_REPORT_PROPERTIES1_EVENT_PARAMETERS_LENGTH_MASK_V4 0x1F
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_MASK_V4 0x60
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_SHIFT_V4 0x05
#define NOTIFICATION_REPORT_PROPERTIES1_SEQUENCE_BIT_MASK_V4 0x80
/* Values used for Notification Set command */
#define NOTIFICATION_SET_RESERVED_V4 0x00
#define NOTIFICATION_SET_SMOKE_V4 0x01
#define NOTIFICATION_SET_CO_V4 0x02
#define NOTIFICATION_SET_CO2_V4 0x03
#define NOTIFICATION_SET_HEAT_V4 0x04
#define NOTIFICATION_SET_WATER_V4 0x05
#define NOTIFICATION_SET_ACCESS_CONTROL_V4 0x06
#define NOTIFICATION_SET_HOME_SECURITY_V4 0x07
#define NOTIFICATION_SET_POWER_MANAGEMENT_V4 0x08
#define NOTIFICATION_SET_SYSTEM_V4 0x09
#define NOTIFICATION_SET_EMERGENCY_V4 0x0A
#define NOTIFICATION_SET_CLOCK_V4 0x0B
#define NOTIFICATION_SET_APPLIANCE_V4 0x0C
#define NOTIFICATION_SET_HOME_HEALTH_V4 0x0D
#define NOTIFICATION_SET_FIRST_V4 0xFF
#define NOTIFICATION_SET_OFF_V4 0x00
#define NOTIFICATION_SET_NO_PENDING_NOTIFICATIONS_V4 0xFE
#define NOTIFICATION_SET_ON_V4 0xFF
/* Values used for Notification Supported Report command */
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V4 0x1F
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V4 0x60
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V4 0x05
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_V1_ALARM_BIT_MASK_V4 0x80
/* Values used for Event Supported Get command */
#define EVENT_SUPPORTED_GET_RESERVED_V4 0x00
#define EVENT_SUPPORTED_GET_SMOKE_V4 0x01
#define EVENT_SUPPORTED_GET_CO_V4 0x02
#define EVENT_SUPPORTED_GET_CO2_V4 0x03
#define EVENT_SUPPORTED_GET_HEAT_V4 0x04
#define EVENT_SUPPORTED_GET_WATER_V4 0x05
#define EVENT_SUPPORTED_GET_ACCESS_CONTROL_V4 0x06
#define EVENT_SUPPORTED_GET_HOME_SECURITY_V4 0x07
#define EVENT_SUPPORTED_GET_POWER_MANAGEMENT_V4 0x08
#define EVENT_SUPPORTED_GET_SYSTEM_V4 0x09
#define EVENT_SUPPORTED_GET_EMERGENCY_V4 0x0A
#define EVENT_SUPPORTED_GET_CLOCK_V4 0x0B
#define EVENT_SUPPORTED_GET_APPLIANCE_V4 0x0C
#define EVENT_SUPPORTED_GET_HOME_HEALTH_V4 0x0D
#define EVENT_SUPPORTED_GET_FIRST_V4 0xFF
/* Values used for Event Supported Report command */
#define EVENT_SUPPORTED_REPORT_RESERVED_V4 0x00
#define EVENT_SUPPORTED_REPORT_SMOKE_V4 0x01
#define EVENT_SUPPORTED_REPORT_CO_V4 0x02
#define EVENT_SUPPORTED_REPORT_CO2_V4 0x03
#define EVENT_SUPPORTED_REPORT_HEAT_V4 0x04
#define EVENT_SUPPORTED_REPORT_WATER_V4 0x05
#define EVENT_SUPPORTED_REPORT_ACCESS_CONTROL_V4 0x06
#define EVENT_SUPPORTED_REPORT_HOME_SECURITY_V4 0x07
#define EVENT_SUPPORTED_REPORT_POWER_MANAGEMENT_V4 0x08
#define EVENT_SUPPORTED_REPORT_SYSTEM_V4 0x09
#define EVENT_SUPPORTED_REPORT_EMERGENCY_V4 0x0A
#define EVENT_SUPPORTED_REPORT_CLOCK_V4 0x0B
#define EVENT_SUPPORTED_REPORT_APPLIANCE_V4 0x0C
#define EVENT_SUPPORTED_REPORT_HOME_HEALTH_V4 0x0D
#define EVENT_SUPPORTED_REPORT_FIRST_V4 0xFF
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V4 0x1F
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V4 0x60
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V4 0x05
/* Notification command class commands */
#define NOTIFICATION_VERSION_V5 0x05
#define NOTIFICATION_GET_V5 0x04
#define NOTIFICATION_REPORT_V5 0x05
#define NOTIFICATION_SET_V5 0x06
#define NOTIFICATION_SUPPORTED_GET_V5 0x07
#define NOTIFICATION_SUPPORTED_REPORT_V5 0x08
#define EVENT_SUPPORTED_GET_V5 0x01
#define EVENT_SUPPORTED_REPORT_V5 0x02
/* Values used for Notification Get command */
#define NOTIFICATION_GET_RESERVED_V5 0x00
#define NOTIFICATION_GET_SMOKE_V5 0x01
#define NOTIFICATION_GET_CO_V5 0x02
#define NOTIFICATION_GET_CO2_V5 0x03
#define NOTIFICATION_GET_HEAT_V5 0x04
```

```
#define NOTIFICATION_GET_WATER_V5 0x05
#define NOTIFICATION_GET_ACCESS_CONTROL_V5 0x06
#define NOTIFICATION_GET_HOME_SECURITY_V5 0x07
#define NOTIFICATION_GET_POWER_MANAGEMENT_V5 0x08
#define NOTIFICATION_GET_SYSTEM_V5 0x09
#define NOTIFICATION_GET_EMERGENCY_V5 0x0A
#define NOTIFICATION_GET_CLOCK_V5 0x0B
#define NOTIFICATION_GET_APPLIANCE_V5 0x0C
#define NOTIFICATION_GET_HOME_HEALTH_V5 0x0D
#define NOTIFICATION_GET_FIRST_V5 0xFF
/* Values used for Notification Report command */
#define NOTIFICATION_REPORT_OFF_V5 0x00
#define NOTIFICATION_REPORT_NO_PENDING_NOTIFICATIONS_V5 0xFE
#define NOTIFICATION_REPORT_ON_V5 0xFF
#define NOTIFICATION_REPORT_RESERVED_V5 0x00
#define NOTIFICATION_REPORT_SMOKE_V5 0x01
#define NOTIFICATION_REPORT_CO_V5 0x02
#define NOTIFICATION_REPORT_CO2_V5 0x03
#define NOTIFICATION_REPORT_HEAT_V5 0x04
#define NOTIFICATION_REPORT_WATER_V5 0x05
#define NOTIFICATION_REPORT_ACCESS_CONTROL_V5 0x06
#define NOTIFICATION_REPORT_HOME_SECURITY_V5 0x07
#define NOTIFICATION_REPORT_POWER_MANAGEMENT_V5 0x08
#define NOTIFICATION_REPORT_SYSTEM_V5 0x09
#define NOTIFICATION_REPORT_EMERGENCY_V5 0x0A
#define NOTIFICATION_REPORT_CLOCK_V5 0x0B
#define NOTIFICATION_REPORT_APPLIANCE_V5 0x0C
#define NOTIFICATION_REPORT_HOME_HEALTH_V5 0x0D
#define NOTIFICATION_REPORT_FIRST_V5 0xFF
#define NOTIFICATION_REPORT_PROPERTIES1_EVENT_PARAMETERS_LENGTH_MASK_V5 0x1F
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_MASK_V5 0x60
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_SHIFT_V5 0x05
#define NOTIFICATION_REPORT_PROPERTIES1_SEQUENCE_BIT_MASK_V5 0x80
/* Values used for Notification Set command */
#define NOTIFICATION_SET_RESERVED_V5 0x00
#define NOTIFICATION_SET_SMOKE_V5 0x01
#define NOTIFICATION_SET_CO_V5 0x02
#define NOTIFICATION_SET_CO2_V5 0x03
#define NOTIFICATION_SET_HEAT_V5 0x04
#define NOTIFICATION_SET_WATER_V5 0x05
#define NOTIFICATION_SET_ACCESS_CONTROL_V5 0x06
#define NOTIFICATION_SET_HOME_SECURITY_V5 0x07
#define NOTIFICATION_SET_POWER_MANAGEMENT_V5 0x08
#define NOTIFICATION_SET_SYSTEM_V5 0x09
#define NOTIFICATION_SET_EMERGENCY_V5 0x0A
#define NOTIFICATION_SET_CLOCK_V5 0x0B
#define NOTIFICATION_SET_APPLIANCE_V5 0x0C
#define NOTIFICATION_SET_HOME_HEALTH_V5 0x0D
#define NOTIFICATION_SET_FIRST_V5 0xFF
#define NOTIFICATION_SET_OFF_V5 0x00
#define NOTIFICATION_SET_NO_PENDING_NOTIFICATIONS_V5 0xFE
#define NOTIFICATION_SET_ON_V5 0xFF
/* Values used for Notification Supported Report command */
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V5 0x1F
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V5 0x60
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V5 0x05
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_V1_ALARM_BIT_MASK_V5 0x80
/* Values used for Event Supported Get command */
#define EVENT_SUPPORTED_GET_RESERVED_V5 0x00
#define EVENT_SUPPORTED_GET_SMOKE_V5 0x01
#define EVENT_SUPPORTED_GET_CO_V5 0x02
#define EVENT_SUPPORTED_GET_CO2_V5 0x03
#define EVENT_SUPPORTED_GET_HEAT_V5 0x04
#define EVENT_SUPPORTED_GET_WATER_V5 0x05
#define EVENT_SUPPORTED_GET_ACCESS_CONTROL_V5 0x06
#define EVENT_SUPPORTED_GET_HOME_SECURITY_V5 0x07
#define EVENT_SUPPORTED_GET_POWER_MANAGEMENT_V5 0x08
#define EVENT_SUPPORTED_GET_SYSTEM_V5 0x09
#define EVENT_SUPPORTED_GET_EMERGENCY_V5 0x0A
#define EVENT_SUPPORTED_GET_CLOCK_V5 0x0B
#define EVENT_SUPPORTED_GET_APPLIANCE_V5 0x0C
#define EVENT_SUPPORTED_GET_HOME_HEALTH_V5 0x0D
#define EVENT_SUPPORTED_GET_FIRST_V5 0xFF
/* Values used for Event Supported Report command */
#define EVENT_SUPPORTED_REPORT_RESERVED_V5 0x00
#define EVENT_SUPPORTED_REPORT_SMOKE_V5 0x01
#define EVENT_SUPPORTED_REPORT_CO_V5 0x02
#define EVENT_SUPPORTED_REPORT_CO2_V5 0x03
#define EVENT_SUPPORTED_REPORT_HEAT_V5 0x04
#define EVENT_SUPPORTED_REPORT_WATER_V5 0x05
#define EVENT_SUPPORTED_REPORT_ACCESS_CONTROL_V5 0x06
```

```
#define EVENT_SUPPORTED_REPORT_HOME_SECURITY_V5 0x07
#define EVENT_SUPPORTED_REPORT_POWER_MANAGEMENT_V5 0x08
#define EVENT_SUPPORTED_REPORT_SYSTEM_V5 0x09
#define EVENT_SUPPORTED_REPORT_EMERGENCY_V5 0x0A
#define EVENT_SUPPORTED_REPORT_CLOCK_V5 0x0B
#define EVENT_SUPPORTED_REPORT_APPLIANCE_V5 0x0C
#define EVENT_SUPPORTED_REPORT_HOME_HEALTH_V5 0x0D
#define EVENT_SUPPORTED_REPORT_FIRST_V5 0xFF
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V5 0x1F
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V5 0xE0
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V5 0x05

/* Notification command class commands */
#define NOTIFICATION_VERSION_V6 0x06
#define NOTIFICATION_GET_V6 0x04
#define NOTIFICATION_REPORT_V6 0x05
#define NOTIFICATION_SET_V6 0x06
#define NOTIFICATION_SUPPORTED_GET_V6 0x07
#define NOTIFICATION_SUPPORTED_REPORT_V6 0x08
#define EVENT_SUPPORTED_GET_V6 0x01
#define EVENT_SUPPORTED_REPORT_V6 0x02
/* Values used for Notification Get command */
#define NOTIFICATION_GET_RESERVED_V6 0x00
#define NOTIFICATION_GET_SMOKE_V6 0x01
#define NOTIFICATION_GET_CO_V6 0x02
#define NOTIFICATION_GET_CO2_V6 0x03
#define NOTIFICATION_GET_HEAT_V6 0x04
#define NOTIFICATION_GET_WATER_V6 0x05
#define NOTIFICATION_GET_ACCESS_CONTROL_V6 0x06
#define NOTIFICATION_GET_HOME_SECURITY_V6 0x07
#define NOTIFICATION_GET_POWER_MANAGEMENT_V6 0x08
#define NOTIFICATION_GET_SYSTEM_V6 0x09
#define NOTIFICATION_GET_EMERGENCY_V6 0x0A
#define NOTIFICATION_GET_CLOCK_V6 0x0B
#define NOTIFICATION_GET_APPLIANCE_V6 0x0C
#define NOTIFICATION_GET_HOME_HEALTH_V6 0x0D
#define NOTIFICATION_GET_SIREN_V6 0x0E
#define NOTIFICATION_GET_FIRST_V6 0xFF
/* Values used for Notification Report command */
#define NOTIFICATION_REPORT_OFF_V6 0x00
#define NOTIFICATION_REPORT_NO_PENDING_NOTIFICATIONS_V6 0xFE
#define NOTIFICATION_REPORT_ON_V6 0xFF
#define NOTIFICATION_REPORT_RESERVED_V6 0x00
#define NOTIFICATION_REPORT_SMOKE_V6 0x01
#define NOTIFICATION_REPORT_CO_V6 0x02
#define NOTIFICATION_REPORT_CO2_V6 0x03
#define NOTIFICATION_REPORT_HEAT_V6 0x04
#define NOTIFICATION_REPORT_WATER_V6 0x05
#define NOTIFICATION_REPORT_ACCESS_CONTROL_V6 0x06
#define NOTIFICATION_REPORT_HOME_SECURITY_V6 0x07
#define NOTIFICATION_REPORT_POWER_MANAGEMENT_V6 0x08
#define NOTIFICATION_REPORT_SYSTEM_V6 0x09
#define NOTIFICATION_REPORT_EMERGENCY_V6 0x0A
#define NOTIFICATION_REPORT_CLOCK_V6 0x0B
#define NOTIFICATION_REPORT_APPLIANCE_V6 0x0C
#define NOTIFICATION_REPORT_HOME_HEALTH_V6 0x0D
#define NOTIFICATION_REPORT_SIREN_V6 0x0E
#define NOTIFICATION_REPORT_FIRST_V6 0xFF
#define NOTIFICATION_REPORT_PROPERTIES1_EVENT_PARAMETERS_LENGTH_MASK_V6 0x1F
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_MASK_V6 0x60
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_SHIFT_V6 0x05
#define NOTIFICATION_REPORT_PROPERTIES1_SEQUENCE_BIT_MASK_V6 0x80
/* Values used for Notification Set command */
#define NOTIFICATION_SET_RESERVED_V6 0x00
#define NOTIFICATION_SET_SMOKE_V6 0x01
#define NOTIFICATION_SET_CO_V6 0x02
#define NOTIFICATION_SET_CO2_V6 0x03
#define NOTIFICATION_SET_HEAT_V6 0x04
#define NOTIFICATION_SET_WATER_V6 0x05
#define NOTIFICATION_SET_ACCESS_CONTROL_V6 0x06
#define NOTIFICATION_SET_HOME_SECURITY_V6 0x07
#define NOTIFICATION_SET_POWER_MANAGEMENT_V6 0x08
#define NOTIFICATION_SET_SYSTEM_V6 0x09
#define NOTIFICATION_SET_EMERGENCY_V6 0x0A
#define NOTIFICATION_SET_CLOCK_V6 0x0B
#define NOTIFICATION_SET_APPLIANCE_V6 0x0C
#define NOTIFICATION_SET_HOME_HEALTH_V6 0x0D
#define NOTIFICATION_SET_SIREN_V6 0x0E
#define NOTIFICATION_SET_FIRST_V6 0xFF
#define NOTIFICATION_SET_OFF_V6 0x00
#define NOTIFICATION_SET_NO_PENDING_NOTIFICATIONS_V6 0xFE
```

```
#define NOTIFICATION_SET_ON_V6 0xFF
/* Values used for Notification Supported Report command */
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V6 0x1F
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V6 0x60
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V6 0x05
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_V1_ALARM_BIT_MASK_V6 0x80
/* Values used for Event Supported Get command */
#define EVENT_SUPPORTED_GET_RESERVED_V6 0x00
#define EVENT_SUPPORTED_GET_SMOKE_V6 0x01
#define EVENT_SUPPORTED_GET_CO_V6 0x02
#define EVENT_SUPPORTED_GET_CO2_V6 0x03
#define EVENT_SUPPORTED_GET_HEAT_V6 0x04
#define EVENT_SUPPORTED_GET_WATER_V6 0x05
#define EVENT_SUPPORTED_GET_ACCESS_CONTROL_V6 0x06
#define EVENT_SUPPORTED_GET_HOME_SECURITY_V6 0x07
#define EVENT_SUPPORTED_GET_POWER_MANAGEMENT_V6 0x08
#define EVENT_SUPPORTED_GET_SYSTEM_V6 0x09
#define EVENT_SUPPORTED_GET_EMERGENCY_V6 0x0A
#define EVENT_SUPPORTED_GET_CLOCK_V6 0x0B
#define EVENT_SUPPORTED_GET_APPLIANCE_V6 0x0C
#define EVENT_SUPPORTED_GET_HOME_HEALTH_V6 0x0D
#define EVENT_SUPPORTED_GET_SIREN_V6 0x0E
#define EVENT_SUPPORTED_GET_FIRST_V6 0xFF
/* Values used for Event Supported Report command */
#define EVENT_SUPPORTED_REPORT_RESERVED_V6 0x00
#define EVENT_SUPPORTED_REPORT_SMOKE_V6 0x01
#define EVENT_SUPPORTED_REPORT_CO_V6 0x02
#define EVENT_SUPPORTED_REPORT_CO2_V6 0x03
#define EVENT_SUPPORTED_REPORT_HEAT_V6 0x04
#define EVENT_SUPPORTED_REPORT_WATER_V6 0x05
#define EVENT_SUPPORTED_REPORT_ACCESS_CONTROL_V6 0x06
#define EVENT_SUPPORTED_REPORT_HOME_SECURITY_V6 0x07
#define EVENT_SUPPORTED_REPORT_POWER_MANAGEMENT_V6 0x08
#define EVENT_SUPPORTED_REPORT_SYSTEM_V6 0x09
#define EVENT_SUPPORTED_REPORT_EMERGENCY_V6 0x0A
#define EVENT_SUPPORTED_REPORT_CLOCK_V6 0x0B
#define EVENT_SUPPORTED_REPORT_APPLIANCE_V6 0x0C
#define EVENT_SUPPORTED_REPORT_HOME_HEALTH_V6 0x0D
#define EVENT_SUPPORTED_REPORT_SIREN_V6 0x0E
#define EVENT_SUPPORTED_REPORT_FIRST_V6 0xFF
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V6 0x1F
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V6 0x60
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V6 0x05

/* Notification command class commands */
#define NOTIFICATION_VERSION_V7 0x07
#define NOTIFICATION_GET_V7 0x04
#define NOTIFICATION_REPORT_V7 0x05
#define NOTIFICATION_SET_V7 0x06
#define NOTIFICATION_SUPPORTED_GET_V7 0x07
#define NOTIFICATION_SUPPORTED_REPORT_V7 0x08
#define EVENT_SUPPORTED_GET_V7 0x01
#define EVENT_SUPPORTED_REPORT_V7 0x02
/* Values used for Notification Get command */
#define NOTIFICATION_GET_RESERVED_V7 0x00
#define NOTIFICATION_GET_SMOKE_V7 0x01
#define NOTIFICATION_GET_CO_V7 0x02
#define NOTIFICATION_GET_CO2_V7 0x03
#define NOTIFICATION_GET_HEAT_V7 0x04
#define NOTIFICATION_GET_WATER_V7 0x05
#define NOTIFICATION_GET_ACCESS_CONTROL_V7 0x06
#define NOTIFICATION_GET_HOME_SECURITY_V7 0x07
#define NOTIFICATION_GET_POWER_MANAGEMENT_V7 0x08
#define NOTIFICATION_GET_SYSTEM_V7 0x09
#define NOTIFICATION_GET_EMERGENCY_V7 0x0A
#define NOTIFICATION_GET_CLOCK_V7 0x0B
#define NOTIFICATION_GET_APPLIANCE_V7 0x0C
#define NOTIFICATION_GET_HOME_HEALTH_V7 0x0D
#define NOTIFICATION_GET_SIREN_V7 0x0E
#define NOTIFICATION_GET_WATER_VALVE_V7 0x0F
#define NOTIFICATION_GET_WEATHER_ALARM_V7 0x10
#define NOTIFICATION_GET_IRRIGATION_V7 0x11
#define NOTIFICATION_GET_GAS_ALARM_V7 0x12
#define NOTIFICATION_GET_FIRST_V7 0xFF
/* Values used for Notification Report command */
#define NOTIFICATION_REPORT_OFF_V7 0x00
#define NOTIFICATION_REPORT_NO_PENDING_NOTIFICATIONS_V7 0xFE
#define NOTIFICATION_REPORT_ON_V7 0xFF
#define NOTIFICATION_REPORT_RESERVED_V7 0x00
#define NOTIFICATION_REPORT_SMOKE_V7 0x01
#define NOTIFICATION_REPORT_CO_V7 0x02
```

```
#define NOTIFICATION_REPORT_CO2_V7 0x03
#define NOTIFICATION_REPORT_HEAT_V7 0x04
#define NOTIFICATION_REPORT_WATER_V7 0x05
#define NOTIFICATION_REPORT_ACCESS_CONTROL_V7 0x06
#define NOTIFICATION_REPORT_HOME_SECURITY_V7 0x07
#define NOTIFICATION_REPORT_POWER_MANAGEMENT_V7 0x08
#define NOTIFICATION_REPORT_SYSTEM_V7 0x09
#define NOTIFICATION_REPORT_EMERGENCY_V7 0x0A
#define NOTIFICATION_REPORT_CLOCK_V7 0x0B
#define NOTIFICATION_REPORT_APPLIANCE_V7 0x0C
#define NOTIFICATION_REPORT_HOME_HEALTH_V7 0x0D
#define NOTIFICATION_REPORT_SIREN_V7 0x0E
#define NOTIFICATION_REPORT_WATER_VALVE_V7 0x0F
#define NOTIFICATION_REPORT_WEATHER_ALARM_V7 0x10
#define NOTIFICATION_REPORT_IRRIGATION_V7 0x11
#define NOTIFICATION_REPORT_GAS_ALARM_V7 0x12
#define NOTIFICATION_REPORT_FIRST_V7 0xFF
#define NOTIFICATION_REPORT_PROPERTIES1_EVENT_PARAMETERS_LENGTH_MASK_V7 0x1F
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_MASK_V7 0x60
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_SHIFT_V7 0x05
#define NOTIFICATION_REPORT_PROPERTIES1_SEQUENCE_BIT_MASK_V7 0x80
/* Values used for Notification Set command */
#define NOTIFICATION_SET_RESERVED_V7 0x00
#define NOTIFICATION_SET_SMOKE_V7 0x01
#define NOTIFICATION_SET_CO_V7 0x02
#define NOTIFICATION_SET_CO2_V7 0x03
#define NOTIFICATION_SET_HEAT_V7 0x04
#define NOTIFICATION_SET_WATER_V7 0x05
#define NOTIFICATION_SET_ACCESS_CONTROL_V7 0x06
#define NOTIFICATION_SET_HOME_SECURITY_V7 0x07
#define NOTIFICATION_SET_POWER_MANAGEMENT_V7 0x08
#define NOTIFICATION_SET_SYSTEM_V7 0x09
#define NOTIFICATION_SET_EMERGENCY_V7 0x0A
#define NOTIFICATION_SET_CLOCK_V7 0x0B
#define NOTIFICATION_SET_APPLIANCE_V7 0x0C
#define NOTIFICATION_SET_HOME_HEALTH_V7 0x0D
#define NOTIFICATION_SET_SIREN_V7 0x0E
#define NOTIFICATION_SET_WATER_VALVE_V7 0x0F
#define NOTIFICATION_SET_WEATHER_ALARM_V7 0x10
#define NOTIFICATION_SET_IRRIGATION_V7 0x11
#define NOTIFICATION_SET_GAS_ALARM_V7 0x12
#define NOTIFICATION_SET_FIRST_V7 0xFF
#define NOTIFICATION_SET_OFF_V7 0x00
#define NOTIFICATION_SET_NO_PENDING_NOTIFICATIONS_V7 0xFE
#define NOTIFICATION_SET_ON_V7 0xFF
/* Values used for Notification Supported Report command */
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V7 0x1F
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V7 0x60
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V7 0x05
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_V1_ALARM_BIT_MASK_V7 0x80
/* Values used for Event Supported Get command */
#define EVENT_SUPPORTED_GET_RESERVED_V7 0x00
#define EVENT_SUPPORTED_GET_SMOKE_V7 0x01
#define EVENT_SUPPORTED_GET_CO_V7 0x02
#define EVENT_SUPPORTED_GET_CO2_V7 0x03
#define EVENT_SUPPORTED_GET_HEAT_V7 0x04
#define EVENT_SUPPORTED_GET_WATER_V7 0x05
#define EVENT_SUPPORTED_GET_ACCESS_CONTROL_V7 0x06
#define EVENT_SUPPORTED_GET_HOME_SECURITY_V7 0x07
#define EVENT_SUPPORTED_GET_POWER_MANAGEMENT_V7 0x08
#define EVENT_SUPPORTED_GET_SYSTEM_V7 0x09
#define EVENT_SUPPORTED_GET_EMERGENCY_V7 0x0A
#define EVENT_SUPPORTED_GET_CLOCK_V7 0x0B
#define EVENT_SUPPORTED_GET_APPLIANCE_V7 0x0C
#define EVENT_SUPPORTED_GET_HOME_HEALTH_V7 0x0D
#define EVENT_SUPPORTED_GET_SIREN_V7 0x0E
#define EVENT_SUPPORTED_GET_WATER_VALVE_V7 0x0F
#define EVENT_SUPPORTED_GET_WEATHER_ALARM_V7 0x10
#define EVENT_SUPPORTED_GET_IRRIGATION_V7 0x11
#define EVENT_SUPPORTED_GET_GAS_ALARM_V7 0x12
#define EVENT_SUPPORTED_GET_FIRST_V7 0xFF
/* Values used for Event Supported Report command */
#define EVENT_SUPPORTED_REPORT_RESERVED_V7 0x00
#define EVENT_SUPPORTED_REPORT_SMOKE_V7 0x01
#define EVENT_SUPPORTED_REPORT_CO_V7 0x02
#define EVENT_SUPPORTED_REPORT_CO2_V7 0x03
#define EVENT_SUPPORTED_REPORT_HEAT_V7 0x04
#define EVENT_SUPPORTED_REPORT_WATER_V7 0x05
#define EVENT_SUPPORTED_REPORT_ACCESS_CONTROL_V7 0x06
#define EVENT_SUPPORTED_REPORT_HOME_SECURITY_V7 0x07
#define EVENT_SUPPORTED_REPORT_POWER_MANAGEMENT_V7 0x08
```

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#define EVENT_SUPPORTED_REPORT_SYSTEM_V7 0x09
#define EVENT_SUPPORTED_REPORT_EMERGENCY_V7 0x0A
#define EVENT_SUPPORTED_REPORT_CLOCK_V7 0x0B
#define EVENT_SUPPORTED_REPORT_APPLIANCE_V7 0x0C
#define EVENT_SUPPORTED_REPORT_HOME_HEALTH_V7 0x0D
#define EVENT_SUPPORTED_REPORT_SIREN_V7 0x0E
#define EVENT_SUPPORTED_REPORT_WATER_VALVE_V7 0x0F
#define EVENT_SUPPORTED_REPORT_WEATHER_ALARM_V7 0x10
#define EVENT_SUPPORTED_REPORT_IRRIGATION_V7 0x11
#define EVENT_SUPPORTED_REPORT_GAS_ALARM_V7 0x12
#define EVENT_SUPPORTED_REPORT_FIRST_V7 0xFF
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V7 0x1F
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V7 0xE0
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V7 0x05

/* Notification command class commands */
#define NOTIFICATION_VERSION_V8 0x08
#define NOTIFICATION_GET_V8 0x04
#define NOTIFICATION_REPORT_V8 0x05
#define NOTIFICATION_SET_V8 0x06
#define NOTIFICATION_SUPPORTED_GET_V8 0x07
#define NOTIFICATION_SUPPORTED_REPORT_V8 0x08
#define EVENT_SUPPORTED_GET_V8 0x01
#define EVENT_SUPPORTED_REPORT_V8 0x02
/* Values used for Notification Get command */
#define NOTIFICATION_GET_RESERVED_V8 0x00
#define NOTIFICATION_GET_SMOKE_V8 0x01
#define NOTIFICATION_GET_CO_V8 0x02
#define NOTIFICATION_GET_CO2_V8 0x03
#define NOTIFICATION_GET_HEAT_V8 0x04
#define NOTIFICATION_GET_WATER_V8 0x05
#define NOTIFICATION_GET_ACCESS_CONTROL_V8 0x06
#define NOTIFICATION_GET_HOME_SECURITY_V8 0x07
#define NOTIFICATION_GET_POWER_MANAGEMENT_V8 0x08
#define NOTIFICATION_GET_SYSTEM_V8 0x09
#define NOTIFICATION_GET_EMERGENCY_V8 0x0A
#define NOTIFICATION_GET_CLOCK_V8 0x0B
#define NOTIFICATION_GET_APPLIANCE_V8 0x0C
#define NOTIFICATION_GET_HOME_HEALTH_V8 0x0D
#define NOTIFICATION_GET_SIREN_V8 0x0E
#define NOTIFICATION_GET_WATER_VALVE_V8 0x0F
#define NOTIFICATION_GET_WEATHER_ALARM_V8 0x10
#define NOTIFICATION_GET_IRRIGATION_V8 0x11
#define NOTIFICATION_GET_GAS_ALARM_V8 0x12
#define NOTIFICATION_GET_FIRST_V8 0xFF
/* Values used for Notification Report command */
#define NOTIFICATION_REPORT_OFF_V8 0x00
#define NOTIFICATION_REPORT_NO_PENDING_NOTIFICATIONS_V8 0xFE
#define NOTIFICATION_REPORT_ON_V8 0xFF
#define NOTIFICATION_REPORT_RESERVED_V8 0x00
#define NOTIFICATION_REPORT_SMOKE_V8 0x01
#define NOTIFICATION_REPORT_CO_V8 0x02
#define NOTIFICATION_REPORT_CO2_V8 0x03
#define NOTIFICATION_REPORT_HEAT_V8 0x04
#define NOTIFICATION_REPORT_WATER_V8 0x05
#define NOTIFICATION_REPORT_ACCESS_CONTROL_V8 0x06
#define NOTIFICATION_REPORT_HOME_SECURITY_V8 0x07
#define NOTIFICATION_REPORT_POWER_MANAGEMENT_V8 0x08
#define NOTIFICATION_REPORT_SYSTEM_V8 0x09
#define NOTIFICATION_REPORT_EMERGENCY_V8 0x0A
#define NOTIFICATION_REPORT_CLOCK_V8 0x0B
#define NOTIFICATION_REPORT_APPLIANCE_V8 0x0C
#define NOTIFICATION_REPORT_HOME_HEALTH_V8 0x0D
#define NOTIFICATION_REPORT_SIREN_V8 0x0E
#define NOTIFICATION_REPORT_WATER_VALVE_V8 0x0F
#define NOTIFICATION_REPORT_WEATHER_ALARM_V8 0x10
#define NOTIFICATION_REPORT_IRRIGATION_V8 0x11
#define NOTIFICATION_REPORT_GAS_ALARM_V8 0x12
#define NOTIFICATION_REPORT_FIRST_V8 0xFF
#define NOTIFICATION_REPORT_PROPERTIES1_EVENT_PARAMETERS_LENGTH_MASK_V8 0x1F
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_MASK_V8 0x60
#define NOTIFICATION_REPORT_PROPERTIES1_RESERVED2_SHIFT_V8 0x05
#define NOTIFICATION_REPORT_PROPERTIES1_SEQUENCE_BIT_MASK_V8 0x80
/* Values used for Notification Set command */
#define NOTIFICATION_SET_RESERVED_V8 0x00
#define NOTIFICATION_SET_SMOKE_V8 0x01
#define NOTIFICATION_SET_CO_V8 0x02
#define NOTIFICATION_SET_CO2_V8 0x03
#define NOTIFICATION_SET_HEAT_V8 0x04
#define NOTIFICATION_SET_WATER_V8 0x05
#define NOTIFICATION_SET_ACCESS_CONTROL_V8 0x06
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#define NOTIFICATION_SET_HOME_SECURITY_V8 0x07
#define NOTIFICATION_SET_POWER_MANAGEMENT_V8 0x08
#define NOTIFICATION_SET_SYSTEM_V8 0x09
#define NOTIFICATION_SET_EMERGENCY_V8 0x0A
#define NOTIFICATION_SET_CLOCK_V8 0x0B
#define NOTIFICATION_SET_APPLIANCE_V8 0x0C
#define NOTIFICATION_SET_HOME_HEALTH_V8 0x0D
#define NOTIFICATION_SET_SIREN_V8 0x0E
#define NOTIFICATION_SET_WATER_VALVE_V8 0x0F
#define NOTIFICATION_SET_WEATHER_ALARM_V8 0x10
#define NOTIFICATION_SET_IRRIGATION_V8 0x11
#define NOTIFICATION_SET_GAS_ALARM_V8 0x12
#define NOTIFICATION_SET_FIRST_V8 0xFF
#define NOTIFICATION_SET_OFF_V8 0x00
#define NOTIFICATION_SET_NO_PENDING_NOTIFICATIONS_V8 0xFE
#define NOTIFICATION_SET_ON_V8 0xFF
/* Values used for Notification Supported Report command */
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V8 0x1F
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V8 0x60
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V8 0x05
#define NOTIFICATION_SUPPORTED_REPORT_PROPERTIES1_V1_ALARM_BIT_MASK_V8 0x80
/* Values used for Event Supported Get command */
#define EVENT_SUPPORTED_GET_RESERVED_V8 0x00
#define EVENT_SUPPORTED_GET_SMOKE_V8 0x01
#define EVENT_SUPPORTED_GET_CO_V8 0x02
#define EVENT_SUPPORTED_GET_CO2_V8 0x03
#define EVENT_SUPPORTED_GET_HEAT_V8 0x04
#define EVENT_SUPPORTED_GET_WATER_V8 0x05
#define EVENT_SUPPORTED_GET_ACCESS_CONTROL_V8 0x06
#define EVENT_SUPPORTED_GET_HOME_SECURITY_V8 0x07
#define EVENT_SUPPORTED_GET_POWER_MANAGEMENT_V8 0x08
#define EVENT_SUPPORTED_GET_SYSTEM_V8 0x09
#define EVENT_SUPPORTED_GET_EMERGENCY_V8 0x0A
#define EVENT_SUPPORTED_GET_CLOCK_V8 0x0B
#define EVENT_SUPPORTED_GET_APPLIANCE_V8 0x0C
#define EVENT_SUPPORTED_GET_HOME_HEALTH_V8 0x0D
#define EVENT_SUPPORTED_GET_SIREN_V8 0x0E
#define EVENT_SUPPORTED_GET_WATER_VALVE_V8 0x0F
#define EVENT_SUPPORTED_GET_WEATHER_ALARM_V8 0x10
#define EVENT_SUPPORTED_GET_IRRIGATION_V8 0x11
#define EVENT_SUPPORTED_GET_GAS_ALARM_V8 0x12
#define EVENT_SUPPORTED_GET_FIRST_V8 0xFF
/* Values used for Event Supported Report command */
#define EVENT_SUPPORTED_REPORT_RESERVED_V8 0x00
#define EVENT_SUPPORTED_REPORT_SMOKE_V8 0x01
#define EVENT_SUPPORTED_REPORT_CO_V8 0x02
#define EVENT_SUPPORTED_REPORT_CO2_V8 0x03
#define EVENT_SUPPORTED_REPORT_HEAT_V8 0x04
#define EVENT_SUPPORTED_REPORT_WATER_V8 0x05
#define EVENT_SUPPORTED_REPORT_ACCESS_CONTROL_V8 0x06
#define EVENT_SUPPORTED_REPORT_HOME_SECURITY_V8 0x07
#define EVENT_SUPPORTED_REPORT_POWER_MANAGEMENT_V8 0x08
#define EVENT_SUPPORTED_REPORT_SYSTEM_V8 0x09
#define EVENT_SUPPORTED_REPORT_EMERGENCY_V8 0x0A
#define EVENT_SUPPORTED_REPORT_CLOCK_V8 0x0B
#define EVENT_SUPPORTED_REPORT_APPLIANCE_V8 0x0C
#define EVENT_SUPPORTED_REPORT_HOME_HEALTH_V8 0x0D
#define EVENT_SUPPORTED_REPORT_SIREN_V8 0x0E
#define EVENT_SUPPORTED_REPORT_WATER_VALVE_V8 0x0F
#define EVENT_SUPPORTED_REPORT_WEATHER_ALARM_V8 0x10
#define EVENT_SUPPORTED_REPORT_IRRIGATION_V8 0x11
#define EVENT_SUPPORTED_REPORT_GAS_ALARM_V8 0x12
#define EVENT_SUPPORTED_REPORT_FIRST_V8 0xFF
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASKS_MASK_V8 0x1F
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V8 0xE0
#define EVENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V8 0x05

/* Application Status command class commands */
#define APPLICATION_STATUS_VERSION 0x01
#define APPLICATION_BUSY 0x01
#define APPLICATION_REJECTED_REQUEST 0x02
/* Values used for Application Busy command */
#define APPLICATION_BUSY_TRY_AGAIN_LATER 0x00
#define APPLICATION_BUSY_TRY_AGAIN_IN_WAIT_TIME_SECONDS 0x01
#define APPLICATION_BUSY_REQUEST_QUEUED_EXECUTED_LATER 0x02

/* Association Command Configuration command class commands */
#define ASSOCIATION_COMMAND_CONFIGURATION_VERSION 0x01
#define COMMAND_CONFIGURATION_GET 0x04
#define COMMAND_CONFIGURATION_REPORT 0x05
#define COMMAND_CONFIGURATION_SET 0x03
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#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 0x0F
#define COMMAND_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_MASK 0x70
#define COMMAND_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_SHIFT 0x04
#define COMMAND_CONFIGURATION_REPORT_PROPERTIES1_FIRST_BIT_MASK 0x80
/* Values used for Command Records Supported Report command */
#define COMMAND_RECORDS_SUPPORTED_REPORT_PROPERTIES1_CONF_CMD_BIT_MASK 0x01
#define COMMAND_RECORDS_SUPPORTED_REPORT_PROPERTIES1_V_C_BIT_MASK 0x02
#define COMMAND_RECORDS_SUPPORTED_REPORT_PROPERTIES1_MAX_COMMAND_LENGTH_MASK 0xFC
#define COMMAND_RECORDS_SUPPORTED_REPORT_PROPERTIES1_MAX_COMMAND_LENGTH_SHIFT 0x02

/* Association command class commands */
#define ASSOCIATION_VERSION 0x01
#define ASSOCIATION_GET 0x02
#define ASSOCIATION_GROUPINGS_GET 0x05
#define ASSOCIATION_GROUPINGS_REPORT 0x06
#define ASSOCIATION_REMOVE 0x04
#define ASSOCIATION_REPORT 0x03
#define ASSOCIATION_SET 0x01

/* Association command class commands */
#define ASSOCIATION_VERSION_V2 0x02
#define ASSOCIATION_GET_V2 0x02
#define ASSOCIATION_GROUPINGS_GET_V2 0x05
#define ASSOCIATION_GROUPINGS_REPORT_V2 0x06
#define ASSOCIATION_REMOVE_V2 0x04
#define ASSOCIATION_REPORT_V2 0x03
#define ASSOCIATION_SET_V2 0x01
#define ASSOCIATION_SPECIFIC_GROUP_GET_V2 0x0B
#define ASSOCIATION_SPECIFIC_GROUP_REPORT_V2 0x0C

/* Av Content Directory Md command class commands */
#define AV_CONTENT_DIRECTORY_MD_VERSION 0x01
#define AV_CONTENT_BROWSE_MD_BY_LETTER_GET 0x03
#define AV_CONTENT_BROWSE_MD_BY_LETTER_REPORT 0x04
#define AV_CONTENT_BROWSE_MD_CHILD_COUNT_GET 0x05
#define AV_CONTENT_BROWSE_MD_CHILD_COUNT_REPORT 0x06
#define AV_CONTENT_BROWSE_MD_GET 0x01
#define AV_CONTENT_BROWSE_MD_REPORT 0x02
#define AV_MATCH_ITEM_TO_RENDERER_MD_GET 0x07
#define AV_MATCH_ITEM_TO_RENDERER_MD_REPORT 0x08

/* Av Content Search Md command class commands */
#define AV_CONTENT_SEARCH_MD_VERSION 0x01
#define AV_CONTENT_SEARCH_MD_GET 0x01
#define AV_CONTENT_SEARCH_MD_REPORT 0x02

/* Av Renderer Status command class commands */
#define AV_RENDERER_STATUS_VERSION 0x01
#define AV_RENDERER_STATUS_GET 0x01
#define AV_RENDERER_STATUS_REPORT 0x02

/* Av Tagging Md command class commands */
#define AV_TAGGING_MD_VERSION 0x01
#define AV_TAGGING_MD_GET 0x01
#define AV_TAGGING_MD_REPORT 0x02

/* Basic Tariff Info command class commands */
#define BASIC_TARIFF_INFO_VERSION 0x01
#define BASIC_TARIFF_INFO_GET 0x01
#define BASIC_TARIFF_INFO_REPORT 0x02
/* Values used for Basic Tariff Info Report command */
#define BASIC_TARIFF_INFO_REPORT_PROPERTIES1_TOTAL_NO_IMPORT_RATES_MASK 0x0F
#define BASIC_TARIFF_INFO_REPORT_PROPERTIES1_RESERVED1_MASK 0x70
#define BASIC_TARIFF_INFO_REPORT_PROPERTIES1_RESERVED1_SHIFT 0x04
#define BASIC_TARIFF_INFO_REPORT_PROPERTIES1_DUAL_BIT_MASK 0x80
#define BASIC_TARIFF_INFO_REPORT_PROPERTIES2_E1_CURRENT_RATE_IN_USE_MASK 0x0F
#define BASIC_TARIFF_INFO_REPORT_PROPERTIES2_RESERVED2_MASK 0xF0
#define BASIC_TARIFF_INFO_REPORT_PROPERTIES2_RESERVED2_SHIFT 0x04
#define BASIC_TARIFF_INFO_REPORT_PROPERTIES3_E2_CURRENT_RATE_IN_USE_MASK 0x0F
#define BASIC_TARIFF_INFO_REPORT_PROPERTIES3_RESERVED3_MASK 0xF0
#define BASIC_TARIFF_INFO_REPORT_PROPERTIES3_RESERVED3_SHIFT 0x04

/* Basic Window Covering command class commands */
#define BASIC_WINDOW_COVERING_VERSION 0x01
#define BASIC_WINDOW_COVERING_START_LEVEL_CHANGE 0x01
#define BASIC_WINDOW_COVERING_STOP_LEVEL_CHANGE 0x02
/* Values used for Basic Window Covering Start Level Change command */
#define BASIC_WINDOW_COVERING_START_LEVEL_CHANGE_LEVEL_RESERVED1_MASK 0x3F

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#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 0x01
#define BASIC_GET 0x02
#define BASIC_REPORT 0x03
#define BASIC_SET 0x01

/* Basic command class commands */
#define BASIC_VERSION_V2 0x02
#define BASIC_GET_V2 0x02
#define BASIC_REPORT_V2 0x03
#define BASIC_SET_V2 0x01

/* Battery command class commands */
#define BATTERY_VERSION 0x01
#define BATTERY_GET 0x02
#define BATTERY_REPORT 0x03

/* Chimney Fan command class commands */
#define CHIMNEY_FAN_VERSION 0x01
#define CHIMNEY_FAN_ALARM_LOG_GET 0x20
#define CHIMNEY_FAN_ALARM_LOG_REPORT 0x21
#define CHIMNEY_FAN_ALARM_LOG_SET 0x1F
#define CHIMNEY_FAN_ALARM_STATUS_GET 0x23
#define CHIMNEY_FAN_ALARM_STATUS_REPORT 0x24
#define CHIMNEY_FAN_ALARM_STATUS_SET 0x22
#define CHIMNEY_FAN_ALARM_TEMP_GET 0x0E
#define CHIMNEY_FAN_ALARM_TEMP_REPORT 0x0F
#define CHIMNEY_FAN_ALARM_TEMP_SET 0x0D
#define CHIMNEY_FAN_BOOST_TIME_GET 0x11
#define CHIMNEY_FAN_BOOST_TIME_REPORT 0x12
#define CHIMNEY_FAN_BOOST_TIME_SET 0x10
#define CHIMNEY_FAN_DEFAULT_SET 0x28
#define CHIMNEY_FAN_MIN_SPEED_GET 0x26
#define CHIMNEY_FAN_MIN_SPEED_REPORT 0x27
#define CHIMNEY_FAN_MIN_SPEED_SET 0x25
#define CHIMNEY_FAN_MODE_GET 0x17
#define CHIMNEY_FAN_MODE_REPORT 0x18
#define CHIMNEY_FAN_MODE_SET 0x16
#define CHIMNEY_FAN_SETUP_GET 0x1A
#define CHIMNEY_FAN_SETUP_REPORT 0x1B
#define CHIMNEY_FAN_SETUP_SET 0x19
#define CHIMNEY_FAN_SPEED_GET 0x05
#define CHIMNEY_FAN_SPEED_REPORT 0x06
#define CHIMNEY_FAN_SPEED_SET 0x04
#define CHIMNEY_FAN_START_TEMP_GET 0x08
#define CHIMNEY_FAN_START_TEMP_REPORT 0x09
#define CHIMNEY_FAN_START_TEMP_SET 0x07
#define CHIMNEY_FAN_STATE_GET 0x02
#define CHIMNEY_FAN_STATE_REPORT 0x03
#define CHIMNEY_FAN_STATE_SET 0x01
#define CHIMNEY_FAN_STATUS_GET 0x1D
#define CHIMNEY_FAN_STATUS_REPORT 0x1E
#define CHIMNEY_FAN_STOP_TEMP_GET 0x0B
#define CHIMNEY_FAN_STOP_TEMP_REPORT 0x0C
#define CHIMNEY_FAN_STOP_TEMP_SET 0x0A
#define CHIMNEY_FAN_STOP_TIME_GET 0x14
#define CHIMNEY_FAN_STOP_TIME_REPORT 0x15
#define CHIMNEY_FAN_STOP_TIME_SET 0x13

/* Values used for Chimney Fan Alarm Log Report command */
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_1_RESERVED11_BIT_MASK 0x01
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_1_EXTERNAL_ALARM_1_BIT_MASK 0x02
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_1_SENSOR_ERROR_1_BIT_MASK 0x04
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_1_ALARM_TEMPERATURE_EXCEEDED_1_BIT_MASK 0x08
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_1_RESERVED12_MASK 0x70
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_1_RESERVED12_SHIFT 0x04
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_1_ALARM_STILL_ACTIVE_1_BIT_MASK 0x80
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_2_RESERVED21_BIT_MASK 0x01
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_2_EXTERNAL_ALARM_2_BIT_MASK 0x02
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_2_SENSOR_ERROR_2_BIT_MASK 0x04
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_2_ALARM_TEMPERATURE_EXCEEDED_2_BIT_MASK 0x08
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_2_RESERVED22_MASK 0x70
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_2_RESERVED22_SHIFT 0x04
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_2_ALARM_STILL_ACTIVE_2_BIT_MASK 0x80
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_3_RESERVED31_BIT_MASK 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
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#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_3_RESERVED32_SHIFT 0x04
#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 0x02
#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 0x80
#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 0x02
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_5_SENSOR_ERROR_5_BIT_MASK 0x04
#define CHIMNEY_FAN_ALARM_LOG_REPORT_ALARM_EVENT_5_ALARM_TEMPERATURE_EXCEEDED_5_BIT_MASK 0x08
#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_5_ALARM_STILL_ACTIVE_5_BIT_MASK 0x80
/* Values used for Chimney Fan Alarm Log Set command */
#define CHIMNEY_FAN_ALARM_LOG_SET_RESET_LOG 0x08
/* Values used for Chimney Fan Alarm Status Report command */
#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
/* Values used for Chimney Fan Alarm Status 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_SENSOR_ERROR_BIT_MASK 0x04
#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 command */
#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_SHIFT 0x03
#define CHIMNEY_FAN_ALARM_TEMP_REPORT_PROPERTIES1_PRECISION_MASK 0xE0
#define CHIMNEY_FAN_ALARM_TEMP_REPORT_PROPERTIES1_PRECISION_SHIFT 0x05
/* Values used for Chimney Fan Alarm Temp Set command */
#define CHIMNEY_FAN_ALARM_TEMP_SET_PROPERTIES1_SIZE_MASK 0x07
#define CHIMNEY_FAN_ALARM_TEMP_SET_PROPERTIES1_SCALE_MASK 0x18
#define CHIMNEY_FAN_ALARM_TEMP_SET_PROPERTIES1_SCALE_SHIFT 0x03
#define CHIMNEY_FAN_ALARM_TEMP_SET_PROPERTIES1_PRECISION_MASK 0xE0
#define CHIMNEY_FAN_ALARM_TEMP_SET_PROPERTIES1_PRECISION_SHIFT 0x05
/* Values used for Chimney Fan Mode Report command */
#define CHIMNEY_FAN_MODE_REPORT_OFF 0x00
#define CHIMNEY_FAN_MODE_REPORT_ON 0xFF
/* Values used for Chimney Fan Mode Set command */
#define CHIMNEY_FAN_MODE_SET_OFF 0x00
#define CHIMNEY_FAN_MODE_SET_ON 0xFF
/* Values used for Chimney Fan Setup Report command */
#define CHIMNEY_FAN_SETUP_REPORT_OFF 0x00
#define CHIMNEY_FAN_SETUP_REPORT_ON 0xFF
#define CHIMNEY_FAN_SETUP_REPORT_PROPERTIES1_SIZE_1_MASK 0x07
#define CHIMNEY_FAN_SETUP_REPORT_PROPERTIES1_SCALE_1_MASK 0x18
#define CHIMNEY_FAN_SETUP_REPORT_PROPERTIES1_SCALE_1_SHIFT 0x03
#define CHIMNEY_FAN_SETUP_REPORT_PROPERTIES1_PRECISION_1_MASK 0xE0
#define CHIMNEY_FAN_SETUP_REPORT_PROPERTIES1_PRECISION_1_SHIFT 0x05
#define CHIMNEY_FAN_SETUP_REPORT_PROPERTIES2_SIZE_2_MASK 0x07
#define CHIMNEY_FAN_SETUP_REPORT_PROPERTIES2_SCALE_2_MASK 0x18
#define CHIMNEY_FAN_SETUP_REPORT_PROPERTIES2_SCALE_2_SHIFT 0x03
#define CHIMNEY_FAN_SETUP_REPORT_PROPERTIES2_PRECISION_2_MASK 0xE0
#define CHIMNEY_FAN_SETUP_REPORT_PROPERTIES2_PRECISION_2_SHIFT 0x05
#define CHIMNEY_FAN_SETUP_REPORT_PROPERTIES3_SIZE_3_MASK 0x07
#define CHIMNEY_FAN_SETUP_REPORT_PROPERTIES3_SCALE_3_MASK 0x18
#define CHIMNEY_FAN_SETUP_REPORT_PROPERTIES3_SCALE_3_SHIFT 0x03
#define CHIMNEY_FAN_SETUP_REPORT_PROPERTIES3_PRECISION_3_MASK 0xE0
#define CHIMNEY_FAN_SETUP_REPORT_PROPERTIES3_PRECISION_3_SHIFT 0x05
/* Values used for Chimney Fan Setup Set command */
#define CHIMNEY_FAN_SETUP_SET_OFF 0x00
#define CHIMNEY_FAN_SETUP_SET_ON 0xFF
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES1_SIZE_1_MASK 0x07
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES1_SCALE_1_MASK 0x18
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES1_SCALE_1_SHIFT 0x03
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES1_PRECISION_1_MASK 0xE0
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES1_PRECISION_1_SHIFT 0x05
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES2_SIZE_2_MASK 0x07
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES2_SCALE_2_MASK 0x18
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES2_SCALE_2_SHIFT 0x03
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#define CHIMNEY_FAN_SETUP_SET_PROPERTIES2_PRECISION_2_MASK 0xE0
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES2_PRECISION_2_SHIFT 0x05
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES3_SIZE_3_MASK 0x07
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES3_SCALE_3_MASK 0x18
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES3_SCALE_3_SHIFT 0x03
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES3_PRECISION_3_MASK 0xE0
#define CHIMNEY_FAN_SETUP_SET_PROPERTIES3_PRECISION_3_SHIFT 0x05
/* Values used for Chimney Fan Start Temp Report command */
#define CHIMNEY_FAN_START_TEMP_REPORT_PROPERTIES1_SIZE_MASK 0x07
#define CHIMNEY_FAN_START_TEMP_REPORT_PROPERTIES1_SCALE_MASK 0x18
#define CHIMNEY_FAN_START_TEMP_REPORT_PROPERTIES1_SCALE_SHIFT 0x03
#define CHIMNEY_FAN_START_TEMP_REPORT_PROPERTIES1_PRECISION_MASK 0xE0
#define CHIMNEY_FAN_START_TEMP_REPORT_PROPERTIES1_PRECISION_SHIFT 0x05
/* Values used for Chimney Fan Start Temp Set command */
#define CHIMNEY_FAN_START_TEMP_SET_PROPERTIES1_SIZE_MASK 0x07
#define CHIMNEY_FAN_START_TEMP_SET_PROPERTIES1_SCALE_MASK 0x18
#define CHIMNEY_FAN_START_TEMP_SET_PROPERTIES1_SCALE_SHIFT 0x03
#define CHIMNEY_FAN_START_TEMP_SET_PROPERTIES1_PRECISION_MASK 0xE0
#define CHIMNEY_FAN_START_TEMP_SET_PROPERTIES1_PRECISION_SHIFT 0x05
/* Values used for Chimney Fan State Report command */
#define CHIMNEY_FAN_STATE_REPORT_OFF 0x00
#define CHIMNEY_FAN_STATE_REPORT_BOOST 0x01
#define CHIMNEY_FAN_STATE_REPORT_EXHAUST 0x02
#define CHIMNEY_FAN_STATE_REPORT_RELOAD 0x03
#define CHIMNEY_FAN_STATE_REPORT_VENTING 0x04
#define CHIMNEY_FAN_STATE_REPORT_STOP 0x05
#define CHIMNEY_FAN_STATE_REPORT_VENTING_EX 0x06
#define CHIMNEY_FAN_STATE_REPORT_SERVICE 0x07
#define CHIMNEY_FAN_STATE_REPORT_SENSOR_FAILURE 0x08
#define CHIMNEY_FAN_STATE_REPORT_CHIMNEY_FIRE 0x09
#define CHIMNEY_FAN_STATE_REPORT_EXTERNAL_ALARM 0x0A
/* Values used for Chimney Fan State Set command */
#define CHIMNEY_FAN_STATE_SET_NEXT_STATE 0x01
/* Values used for Chimney Fan Status Report command */
#define CHIMNEY_FAN_STATUS_REPORT_OFF 0x00
#define CHIMNEY_FAN_STATUS_REPORT_BOOST 0x01
#define CHIMNEY_FAN_STATUS_REPORT_EXHAUST 0x02
#define CHIMNEY_FAN_STATUS_REPORT_RELOAD 0x03
#define CHIMNEY_FAN_STATUS_REPORT_VENTING 0x04
#define CHIMNEY_FAN_STATUS_REPORT_STOP 0x05
#define CHIMNEY_FAN_STATUS_REPORT_VENTING_EX 0x06
#define CHIMNEY_FAN_STATUS_REPORT_SERVICE 0x07
#define CHIMNEY_FAN_STATUS_REPORT_SENSOR_FAILURE 0x08
#define CHIMNEY_FAN_STATUS_REPORT_CHIMNEY_FIRE 0x09
#define CHIMNEY_FAN_STATUS_REPORT_EXTERNAL_ALARM 0x0A
#define CHIMNEY_FAN_STATUS_REPORT_ALARM_STATUS_SERVICE_BIT_MASK 0x01
#define CHIMNEY_FAN_STATUS_REPORT_ALARM_STATUS_EXTERNAL_ALARM_BIT_MASK 0x02
#define CHIMNEY_FAN_STATUS_REPORT_ALARM_STATUS_SENSOR_ERROR_BIT_MASK 0x04
#define CHIMNEY_FAN_STATUS_REPORT_ALARM_STATUS_ALARM_TEMPERATURE_EXCEEDED_BIT_MASK 0x08
#define CHIMNEY_FAN_STATUS_REPORT_ALARM_STATUS_NOT_USED_MASK 0x30
#define CHIMNEY_FAN_STATUS_REPORT_ALARM_STATUS_NOT_USED_SHIFT 0x04
#define CHIMNEY_FAN_STATUS_REPORT_ALARM_STATUS_SPEED_CHANGE_ENABLE_BIT_MASK 0x40
#define CHIMNEY_FAN_STATUS_REPORT_ALARM_STATUS_START_TEMPERATURE_EXCEEDED_BIT_MASK 0x80
#define CHIMNEY_FAN_STATUS_REPORT_PROPERTIES1_SIZE_MASK 0x07
#define CHIMNEY_FAN_STATUS_REPORT_PROPERTIES1_SCALE_MASK 0x18
#define CHIMNEY_FAN_STATUS_REPORT_PROPERTIES1_SCALE_SHIFT 0x03
#define CHIMNEY_FAN_STATUS_REPORT_PROPERTIES1_PRECISION_MASK 0xE0
#define CHIMNEY_FAN_STATUS_REPORT_PROPERTIES1_PRECISION_SHIFT 0x05
/* Values used for Chimney Fan Stop Temp Report command */
#define CHIMNEY_FAN_STOP_TEMP_REPORT_PROPERTIES1_SIZE_MASK 0x07
#define CHIMNEY_FAN_STOP_TEMP_REPORT_PROPERTIES1_SCALE_MASK 0x18
#define CHIMNEY_FAN_STOP_TEMP_REPORT_PROPERTIES1_SCALE_SHIFT 0x03
#define CHIMNEY_FAN_STOP_TEMP_REPORT_PROPERTIES1_PRECISION_MASK 0xE0
#define CHIMNEY_FAN_STOP_TEMP_REPORT_PROPERTIES1_PRECISION_SHIFT 0x05
/* Values used for Chimney Fan Stop Temp Set command */
#define CHIMNEY_FAN_STOP_TEMP_SET_PROPERTIES1_SIZE_MASK 0x07
#define CHIMNEY_FAN_STOP_TEMP_SET_PROPERTIES1_SCALE_MASK 0x18
#define CHIMNEY_FAN_STOP_TEMP_SET_PROPERTIES1_SCALE_SHIFT 0x03
#define CHIMNEY_FAN_STOP_TEMP_SET_PROPERTIES1_PRECISION_MASK 0xE0
#define CHIMNEY_FAN_STOP_TEMP_SET_PROPERTIES1_PRECISION_SHIFT 0x05

/* Climate Control Schedule command class commands */
#define CLIMATE_CONTROL_SCHEDULE_VERSION 0x01
#define SCHEDULE_CHANGED_GET 0x04
#define SCHEDULE_CHANGED_REPORT 0x05
#define SCHEDULE_GET 0x02
#define SCHEDULE_OVERRIDE_GET 0x07
#define SCHEDULE_OVERRIDE_REPORT 0x08
#define SCHEDULE_OVERRIDE_SET 0x06
#define SCHEDULE_REPORT 0x03
#define SCHEDULE_SET 0x01
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/* Values used for Schedule Get command */
#define SCHEDULE_GET_PROPERTIES1_WEEKDAY_MASK 0x07
#define SCHEDULE_GET_PROPERTIES1_RESERVED_MASK 0xF8
#define SCHEDULE_GET_PROPERTIES1_RESERVED_SHIFT 0x03
/* Values used for Schedule Override Report command */
#define SCHEDULE_OVERRIDE_REPORT_PROPERTIES1_OVERRIDE_TYPE_MASK 0x03
#define SCHEDULE_OVERRIDE_REPORT_PROPERTIES1_RESERVED_MASK 0xFC
#define SCHEDULE_OVERRIDE_REPORT_PROPERTIES1_RESERVED_SHIFT 0x02
#define SCHEDULE_OVERRIDE_REPORT_NO_OVERRIDE 0x00
#define SCHEDULE_OVERRIDE_REPORT_TEMPORARY_OVERRIDE 0x01
#define SCHEDULE_OVERRIDE_REPORT_PERMANENT_OVERRIDE 0x02
#define SCHEDULE_OVERRIDE_REPORT_RESERVED 0x03
/* Values used for Schedule Override Set command */
#define SCHEDULE_OVERRIDE_SET_PROPERTIES1_OVERRIDE_TYPE_MASK 0x03
#define SCHEDULE_OVERRIDE_SET_PROPERTIES1_RESERVED_MASK 0xFC
#define SCHEDULE_OVERRIDE_SET_PROPERTIES1_RESERVED_SHIFT 0x02
#define SCHEDULE_OVERRIDE_SET_NO_OVERRIDE 0x00
#define SCHEDULE_OVERRIDE_SET_TEMPORARY_OVERRIDE 0x01
#define SCHEDULE_OVERRIDE_SET_PERMANENT_OVERRIDE 0x02
#define SCHEDULE_OVERRIDE_SET_RESERVED 0x03
/* Values used for Schedule Report command */
#define SCHEDULE_REPORT_PROPERTIES1_WEEKDAY_MASK 0x07
#define SCHEDULE_REPORT_PROPERTIES1_RESERVED_MASK 0xF8
#define SCHEDULE_REPORT_PROPERTIES1_RESERVED_SHIFT 0x03
/* Values used for Schedule Set command */
#define SCHEDULE_SET_PROPERTIES1_WEEKDAY_MASK 0x07
#define SCHEDULE_SET_PROPERTIES1_RESERVED_MASK 0xF8
#define SCHEDULE_SET_PROPERTIES1_RESERVED_SHIFT 0x03

/* Clock command class commands */
#define CLOCK_VERSION 0x01
#define CLOCK_GET 0x05
#define CLOCK_REPORT 0x06
#define CLOCK_SET 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 0x1F
#define CLOCK_SET_LEVEL_WEEKDAY_MASK 0xE0
#define CLOCK_SET_LEVEL_WEEKDAY_SHIFT 0x05

/* Configuration command class commands */
#define CONFIGURATION_VERSION 0x01
#define CONFIGURATION_GET 0x05
#define CONFIGURATION_REPORT 0x06
#define CONFIGURATION_SET 0x04
/* Values used for Configuration Report command */
#define CONFIGURATION_REPORT_LEVEL_SIZE_MASK 0x07
#define CONFIGURATION_REPORT_LEVEL_RESERVED_MASK 0xF8
#define CONFIGURATION_REPORT_LEVEL_RESERVED_SHIFT 0x03
/* Values used for Configuration Set command */
#define CONFIGURATION_SET_LEVEL_SIZE_MASK 0x07
#define CONFIGURATION_SET_LEVEL_RESERVED_MASK 0x78
#define CONFIGURATION_SET_LEVEL_RESERVED_SHIFT 0x03
#define CONFIGURATION_SET_LEVEL_DEFAULT_BIT_MASK 0x80

/* Configuration command class commands */
#define CONFIGURATION_VERSION_V2 0x02
#define CONFIGURATION_BULK_GET_V2 0x08
#define CONFIGURATION_BULK_REPORT_V2 0x09
#define CONFIGURATION_BULK_SET_V2 0x07
#define CONFIGURATION_GET_V2 0x05
#define CONFIGURATION_REPORT_V2 0x06
#define CONFIGURATION_SET_V2 0x04
/* Values used for Configuration Bulk Report command */
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_SIZE_MASK_V2 0x07
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_RESERVED_MASK_V2 0x38
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_RESERVED_SHIFT_V2 0x03
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_HANDSHAKE_BIT_MASK_V2 0x40
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_DEFAULT_BIT_MASK_V2 0x80
/* Values used for Configuration Bulk Set command */
#define CONFIGURATION_BULK_SET_PROPERTIES1_SIZE_MASK_V2 0x07
#define CONFIGURATION_BULK_SET_PROPERTIES1_RESERVED_MASK_V2 0x38
#define CONFIGURATION_BULK_SET_PROPERTIES1_RESERVED_SHIFT_V2 0x03
#define CONFIGURATION_BULK_SET_PROPERTIES1_HANDSHAKE_BIT_MASK_V2 0x40
#define CONFIGURATION_BULK_SET_PROPERTIES1_DEFAULT_BIT_MASK_V2 0x80
/* Values used for Configuration Report command */
#define CONFIGURATION_REPORT_LEVEL_SIZE_MASK_V2 0x07
#define CONFIGURATION_REPORT_LEVEL_RESERVED_MASK_V2 0xF8

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#define CONFIGURATION_REPORT_LEVEL_RESERVED_SHIFT_V2 0x03
/* Values used for Configuration Set command */
#define CONFIGURATION_SET_LEVEL_SIZE_MASK_V2 0x07
#define CONFIGURATION_SET_LEVEL_RESERVED_MASK_V2 0x78
#define CONFIGURATION_SET_LEVEL_RESERVED_SHIFT_V2 0x03
#define CONFIGURATION_SET_LEVEL_DEFAULT_BIT_MASK_V2 0x80

/* Configuration command class commands */
#define CONFIGURATION_VERSION_V3 0x03
#define CONFIGURATION_BULK_GET_V3 0x08
#define CONFIGURATION_BULK_REPORT_V3 0x09
#define CONFIGURATION_BULK_SET_V3 0x07
#define CONFIGURATION_GET_V3 0x05
#define CONFIGURATION_REPORT_V3 0x06
#define CONFIGURATION_SET_V3 0x04
#define CONFIGURATION_NAME_GET_V3 0x0A
#define CONFIGURATION_NAME_REPORT_V3 0x0B
#define CONFIGURATION_INFO_GET_V3 0x0C
#define CONFIGURATION_INFO_REPORT_V3 0x0D
#define CONFIGURATION_PROPERTIES_GET_V3 0x0E
#define CONFIGURATION_PROPERTIES_REPORT_V3 0x0F
/* Values used for Configuration Bulk Report command */
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_SIZE_MASK_V3 0x07
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_RESERVED_MASK_V3 0x38
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_RESERVED_SHIFT_V3 0x03
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_HANDSHAKE_BIT_MASK_V3 0x40
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_DEFAULT_BIT_MASK_V3 0x80
/* Values used for Configuration Bulk Set command */
#define CONFIGURATION_BULK_SET_PROPERTIES1_SIZE_MASK_V3 0x07
#define CONFIGURATION_BULK_SET_PROPERTIES1_RESERVED_MASK_V3 0x38
#define CONFIGURATION_BULK_SET_PROPERTIES1_RESERVED_SHIFT_V3 0x03
#define CONFIGURATION_BULK_SET_PROPERTIES1_HANDSHAKE_BIT_MASK_V3 0x40
#define CONFIGURATION_BULK_SET_PROPERTIES1_DEFAULT_BIT_MASK_V3 0x80
/* Values used for Configuration Report command */
#define CONFIGURATION_REPORT_LEVEL_SIZE_MASK_V3 0x07
#define CONFIGURATION_REPORT_LEVEL_RESERVED_MASK_V3 0xF8
#define CONFIGURATION_REPORT_LEVEL_RESERVED_SHIFT_V3 0x03
/* Values used for Configuration Set command */
#define CONFIGURATION_SET_LEVEL_SIZE_MASK_V3 0x07
#define CONFIGURATION_SET_LEVEL_RESERVED_MASK_V3 0x78
#define CONFIGURATION_SET_LEVEL_RESERVED_SHIFT_V3 0x03
#define CONFIGURATION_SET_LEVEL_DEFAULT_BIT_MASK_V3 0x80
/* Values used for Configuration Properties Report command */
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_SIZE_MASK_V3 0x07
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_FORMAT_MASK_V3 0x38
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_FORMAT_SHIFT_V3 0x03
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_SIGNED_INTEGER_V3 0x00
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_UNSIGNED_INTEGER_V3 0x01
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_ENUMERATED_V3 0x02
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_BIT_FIELD_V3 0x03
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_RESERVED_MASK_V3 0xC0
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_RESERVED_SHIFT_V3 0x06

/* Configuration command class commands */
#define CONFIGURATION_VERSION_V4 0x04
#define CONFIGURATION_BULK_GET_V4 0x08
#define CONFIGURATION_BULK_REPORT_V4 0x09
#define CONFIGURATION_BULK_SET_V4 0x07
#define CONFIGURATION_GET_V4 0x05
#define CONFIGURATION_REPORT_V4 0x06
#define CONFIGURATION_SET_V4 0x04
#define CONFIGURATION_NAME_GET_V4 0x0A
#define CONFIGURATION_NAME_REPORT_V4 0x0B
#define CONFIGURATION_INFO_GET_V4 0x0C
#define CONFIGURATION_INFO_REPORT_V4 0x0D
#define CONFIGURATION_PROPERTIES_GET_V4 0x0E
#define CONFIGURATION_PROPERTIES_REPORT_V4 0x0F
#define CONFIGURATION_DEFAULT_RESET_V4 0x01
/* Values used for Configuration Bulk Report command */
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_SIZE_MASK_V4 0x07
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_RESERVED_MASK_V4 0x38
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_RESERVED_SHIFT_V4 0x03
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_HANDSHAKE_BIT_MASK_V4 0x40
#define CONFIGURATION_BULK_REPORT_PROPERTIES1_DEFAULT_BIT_MASK_V4 0x80
/* Values used for Configuration Bulk Set command */
#define CONFIGURATION_BULK_SET_PROPERTIES1_SIZE_MASK_V4 0x07
#define CONFIGURATION_BULK_SET_PROPERTIES1_RESERVED_MASK_V4 0x38
#define CONFIGURATION_BULK_SET_PROPERTIES1_RESERVED_SHIFT_V4 0x03
#define CONFIGURATION_BULK_SET_PROPERTIES1_HANDSHAKE_BIT_MASK_V4 0x40
#define CONFIGURATION_BULK_SET_PROPERTIES1_DEFAULT_BIT_MASK_V4 0x80
/* Values used for Configuration Report command */
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#define CONFIGURATION_REPORT_LEVEL_SIZE_MASK_V4 0x07
#define CONFIGURATION_REPORT_LEVEL_RESERVED_MASK_V4 0xF8
#define CONFIGURATION_REPORT_LEVEL_RESERVED_SHIFT_V4 0x03
/* Values used for Configuration Set command */
#define CONFIGURATION_SET_LEVEL_SIZE_MASK_V4 0x07
#define CONFIGURATION_SET_LEVEL_RESERVED_MASK_V4 0x78
#define CONFIGURATION_SET_LEVEL_RESERVED_SHIFT_V4 0x03
#define CONFIGURATION_SET_LEVEL_DEFAULT_BIT_MASK_V4 0x80
/* Values used for Configuration Properties Report command */
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_SIZE_MASK_V4 0x07
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_FORMAT_MASK_V4 0x38
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_FORMAT_SHIFT_V4 0x03
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_SIGNED_INTEGER_V4 0x00
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_UNSIGNED_INTEGER_V4 0x01
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_ENUMERATED_V4 0x02
#define CONFIGURATION_PROPERTIES_REPORT_FORMAT_BIT_FIELD_V4 0x03
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_READONLY_BIT_MASK_V4 0x40
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES1_RE_INCLUSION_REQUIRED_BIT_MASK_V4 0x80
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES2_ADVANCED_BIT_MASK_V4 0x01
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES2_NO_BULK_SUPPORT_BIT_MASK_V4 0x02
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES2_RESERVED1_MASK_V4 0xFC
#define CONFIGURATION_PROPERTIES_REPORT_PROPERTIES2_RESERVED1_SHIFT_V4 0x02

/* Controller Replication command class commands */
#define CONTROLLER_REPLICATION_VERSION 0x01
#define CTRL_REPLICATION_TRANSFER_GROUP 0x31
#define CTRL_REPLICATION_TRANSFER_GROUP_NAME 0x32
#define CTRL_REPLICATION_TRANSFER_SCENE 0x33
#define CTRL_REPLICATION_TRANSFER_SCENE_NAME 0x34

/* Crc 16 Encap command class commands */
#define CRC_16_ENCAP_VERSION 0x01
#define CRC_16_ENCAP 0x01

/* Dcp Config command class commands */
#define DCP_CONFIG_VERSION 0x01
#define DCP_LIST_REMOVE 0x04
#define DCP_LIST_SET 0x03
#define DCP_LIST_SUPPORTED_GET 0x01
#define DCP_LIST_SUPPORTED_REPORT 0x02
/* Values used for Dcp List Set command */
#define DCP_LIST_SET_PROPERTIES1_NUMBER_OF_DC_MASK 0x03
#define DCP_LIST_SET_PROPERTIES1_RESERVED_MASK 0xFC
#define DCP_LIST_SET_PROPERTIES1_RESERVED_SHIFT 0x02

/* Dcp Monitor command class commands */
#define DCP_MONITOR_VERSION 0x01
#define DCP_EVENT_STATUS_GET 0x03
#define DCP_EVENT_STATUS_REPORT 0x04
#define DCP_LIST_GET 0x01
#define DCP_LIST_REPORT 0x02
/* Values used for Dcp List Report command */
#define DCP_LIST_REPORT_PROPERTIES1_NUMBER_OF_DC_MASK 0x03
#define DCP_LIST_REPORT_PROPERTIES1_RESERVED_MASK 0xFC
#define DCP_LIST_REPORT_PROPERTIES1_RESERVED_SHIFT 0x02

/* Door Lock Logging command class commands */
#define DOOR_LOCK_LOGGING_VERSION 0x01
#define DOOR_LOCK_LOGGING_RECORDS_SUPPORTED_GET 0x01
#define DOOR_LOCK_LOGGING_RECORDS_SUPPORTED_REPORT 0x02
#define RECORD_GET 0x03
#define RECORD_REPORT 0x04
/* Values used for Record Report command */
#define RECORD_REPORT_PROPERTIES1_HOUR_LOCAL_TIME_MASK 0x1F
#define RECORD_REPORT_PROPERTIES1_RECORD_STATUS_MASK 0xE0
#define RECORD_REPORT_PROPERTIES1_RECORD_STATUS_SHIFT 0x05

/* Door Lock command class commands */
#define DOOR_LOCK_VERSION 0x01
#define DOOR_LOCK_CONFIGURATION_GET 0x05
#define DOOR_LOCK_CONFIGURATION_REPORT 0x06
#define DOOR_LOCK_CONFIGURATION_SET 0x04
#define DOOR_LOCK_OPERATION_GET 0x02
#define DOOR_LOCK_OPERATION_REPORT 0x03
#define DOOR_LOCK_OPERATION_SET 0x01
/* Values used for Door Lock Configuration Report command */
#define DOOR_LOCK_CONFIGURATION_REPORT_CONSTANT_OPERATION 0x01
#define DOOR_LOCK_CONFIGURATION_REPORT_TIMED_OPERATION 0x02
#define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIES1_INSIDE_DOOR_HANDLES_STATE_MASK 0xF
#define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_MASK 0xF0
#define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_SHIFT 0x04

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/* Values used for Door Lock Configuration Set command */
#define DOOR_LOCK_CONFIGURATION_SET_CONSTANT_OPERATION 0x01
#define DOOR_LOCK_CONFIGURATION_SET_TIMED_OPERATION 0x02
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIES1_INSIDE_DOOR_HANDLES_STATE_MASK 0x0F
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_MASK 0xF0
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_SHIFT 0x04
/* Values used for Door Lock Operation Report command */
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED 0x00
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_WITH_TIMEOUT 0x01
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES 0x10
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_WITH_TIMEOUT 0x11
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES 0x20
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT 0x21
#define DOOR_LOCK_OPERATION_REPORT_DOOR_SECURED 0xFF
#define DOOR_LOCK_OPERATION_REPORT_PROPERTIES1_INSIDE_DOOR_HANDLES_MODE_MASK 0x0F
#define DOOR_LOCK_OPERATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_MODE_MASK 0xF0
#define DOOR_LOCK_OPERATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_MODE_SHIFT 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 0x01
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES 0x10
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_WITH_TIMEOUT 0x11
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES 0x20
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT 0x21
#define DOOR_LOCK_OPERATION_SET_DOOR_SECURED 0xFF

/* Door Lock command class commands */
#define DOOR_LOCK_VERSION_V2 0x02
#define DOOR_LOCK_CONFIGURATION_GET_V2 0x05
#define DOOR_LOCK_CONFIGURATION_REPORT_V2 0x06
#define DOOR_LOCK_CONFIGURATION_SET_V2 0x04
#define DOOR_LOCK_OPERATION_GET_V2 0x02
#define DOOR_LOCK_OPERATION_REPORT_V2 0x03
#define DOOR_LOCK_OPERATION_SET_V2 0x01
/* Values used for Door Lock Configuration Report command */
#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 0x0F
#define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_MASK_V2 0xF0
#define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_SHIFT_V2 0x04
/* Values used for Door Lock Configuration Set command */
#define DOOR_LOCK_CONFIGURATION_SET_CONSTANT_OPERATION_V2 0x01
#define DOOR_LOCK_CONFIGURATION_SET_TIMED_OPERATION_V2 0x02
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIES1_INSIDE_DOOR_HANDLES_STATE_MASK_V2 0x0F
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_MASK_V2 0xF0
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_SHIFT_V2 0x04
/* Values used for Door Lock Operation Report command */
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_V2 0x00
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_WITH_TIMEOUT_V2 0x01
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_V2 0x10
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_WITH_TIMEOUT_V2 0x11
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_V2 0x20
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V2 0x21
#define DOOR_LOCK_OPERATION_REPORT_DOOR_LOCK_STATE_UNKNOWN_V2 0xFE
#define DOOR_LOCK_OPERATION_REPORT_DOOR_SECURED_V2 0xFF
#define DOOR_LOCK_OPERATION_REPORT_PROPERTIES1_INSIDE_DOOR_HANDLES_MODE_MASK_V2 0x0F
#define DOOR_LOCK_OPERATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_MODE_MASK_V2 0xF0
#define DOOR_LOCK_OPERATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_MODE_SHIFT_V2 0x04
/* Values used for Door Lock Operation Set command */
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_V2 0x00
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_WITH_TIMEOUT_V2 0x01
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_V2 0x10
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_WITH_TIMEOUT_V2 0x11
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_V2 0x20
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V2 0x21
#define DOOR_LOCK_OPERATION_SET_DOOR_LOCK_STATE_UNKNOWN_V2 0xFE
#define DOOR_LOCK_OPERATION_SET_DOOR_SECURED_V2 0xFF

/* Door Lock command class commands */
#define DOOR_LOCK_VERSION_V3 0x03
#define DOOR_LOCK_CONFIGURATION_GET_V3 0x05
#define DOOR_LOCK_CONFIGURATION_REPORT_V3 0x06
#define DOOR_LOCK_CONFIGURATION_SET_V3 0x04
#define DOOR_LOCK_OPERATION_GET_V3 0x02
#define DOOR_LOCK_OPERATION_REPORT_V3 0x03
#define DOOR_LOCK_OPERATION_SET_V3 0x01
/* Values used for Door Lock Configuration Report command */
#define DOOR_LOCK_CONFIGURATION_REPORT_CONSTANT_OPERATION_V3 0x01
#define DOOR_LOCK_CONFIGURATION_REPORT_TIMED_OPERATION_V3 0x02
#define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIES1_INSIDE_DOOR_HANDLES_STATE_MASK_V3 0x0F
#define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_MASK_V3 0xF0

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#define DOOR_LOCK_CONFIGURATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_SHIFT_V3 0x04
/* Values used for Door Lock Configuration Set command */
#define DOOR_LOCK_CONFIGURATION_SET_CONSTANT_OPERATION_V3 0x01
#define DOOR_LOCK_CONFIGURATION_SET_TIMED_OPERATION_V3 0x02
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIES1_INSIDE_DOOR_HANDLES_STATE_MASK_V3 0x0F
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_MASK_V3 0xF0
#define DOOR_LOCK_CONFIGURATION_SET_PROPERTIES1_OUTSIDE_DOOR_HANDLES_STATE_SHIFT_V3 0x04
/* Values used for Door Lock Operation Report command */
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_V3 0x00
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_WITH_TIMEOUT_V3 0x01
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_V3 0x10
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3 0x11
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_V3 0x20
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3 0x21
#define DOOR_LOCK_OPERATION_REPORT_DOOR_LOCK_STATE_UNKNOWN_V3 0xFE
#define DOOR_LOCK_OPERATION_REPORT_DOOR_SECURED_V3 0xFF
#define DOOR_LOCK_OPERATION_REPORT_PROPERTIES1_INSIDE_DOOR_HANDLES_MODE_MASK_V3 0x0F
#define DOOR_LOCK_OPERATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_MODE_MASK_V3 0xF0
#define DOOR_LOCK_OPERATION_REPORT_PROPERTIES1_OUTSIDE_DOOR_HANDLES_MODE_SHIFT_V3 0x04
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_V3 0x00
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_WITH_TIMEOUT_V3 0x01
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_V3 0x10
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3 0x11
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_V3 0x20
#define DOOR_LOCK_OPERATION_REPORT_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3 0x21
#define DOOR_LOCK_OPERATION_REPORT_DOOR_LOCK_STATE_UNKNOWN_V3 0xFE
#define DOOR_LOCK_OPERATION_REPORT_DOOR_SECURED_V3 0xFF
#define DOOR_LOCK_OPERATION_REPORT_ALREADY_AT_THE_TARGET_VALUE_V3 0x00
#define DOOR_LOCK_OPERATION_REPORT_UNKNOWN_DURATION_V3 0xFE
#define DOOR_LOCK_OPERATION_REPORT_RESERVED_V3 0xFF
/* Values used for Door Lock Operation Set command */
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_V3 0x00
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_WITH_TIMEOUT_V3 0x01
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_V3 0x10
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_INSIDE_DOOR_HANDLES_WITH_TIMEOUT_V3 0x11
#define DOOR_LOCK_OPERATION_SET_DOOR_UNSECURED_FOR_OUTSIDE_DOOR_HANDLES_V3 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 0xFE
#define DOOR_LOCK_OPERATION_SET_DOOR_SECURED_V3 0xFF

/* Energy Production command class commands */
#define ENERGY_PRODUCTION_VERSION 0x01
#define ENERGY_PRODUCTION_GET 0x02
#define ENERGY_PRODUCTION_REPORT 0x03
/* Values used for Energy Production Get command */
#define ENERGY_PRODUCTION_GET_INSTANT_ENERGY_PRODUCTION 0x00
#define ENERGY_PRODUCTION_GET_TOTAL_ENERGY_PRODUCTION 0x01
#define ENERGY_PRODUCTION_GET_ENERGY_PRODUCTION_TODAY 0x02
#define ENERGY_PRODUCTION_GET_TOTAL_PRODUCTION_TIME 0x03
/* Values used for Energy Production Report command */
#define ENERGY_PRODUCTION_REPORT_INSTANT_ENERGY_PRODUCTION 0x00
#define ENERGY_PRODUCTION_REPORT_TOTAL_ENERGY_PRODUCTION 0x01
#define ENERGY_PRODUCTION_REPORT_ENERGY_PRODUCTION_TODAY 0x02
#define ENERGY_PRODUCTION_REPORT_TOTAL_PRODUCTION_TIME 0x03
#define ENERGY_PRODUCTION_REPORT_LEVEL_SIZE_MASK 0x07
#define ENERGY_PRODUCTION_REPORT_LEVEL_SCALE_MASK 0x18
#define ENERGY_PRODUCTION_REPORT_LEVEL_SCALE_SHIFT 0x03
#define ENERGY_PRODUCTION_REPORT_LEVEL_PRECISION_MASK 0xE0
#define ENERGY_PRODUCTION_REPORT_LEVEL_PRECISION_SHIFT 0x05

/* Firmware Update Md command class commands */
#define FIRMWARE_UPDATE_MD_VERSION 0x01
#define FIRMWARE_UPDATE_MD_GET 0x01
#define FIRMWARE_UPDATE_MD_REPORT 0x02
#define FIRMWARE_UPDATE_MD_GET 0x05
#define FIRMWARE_UPDATE_MD_REPORT 0x06
#define FIRMWARE_UPDATE_MD_REQUEST_GET 0x03
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT 0x04
#define FIRMWARE_UPDATE_MD_STATUS_REPORT 0x07
/* Values used for Firmware Update Md Get command */
#define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_REPORT_NUMBER_1_MASK 0x7F
#define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_ZERO_BIT_MASK 0x80
/* Values used for Firmware Update Md Report command */
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_REPORT_NUMBER_1_MASK 0x7F
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_LAST_BIT_MASK 0x80
/* Values used for Firmware Update Md Request Report command */
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_COMBINATION 0x00
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_REQUIRES_AUTHENTICATION 0x01
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_VALID_COMBINATION 0xFF
/* Values used for Firmware Update Md Status Report command */
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_WITHOUT_CHECKSUM_ERROR 0x00
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#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 0x02
#define FIRMWARE_MD_GET_V2 0x01
#define FIRMWARE_MD_REPORT_V2 0x02
#define FIRMWARE_UPDATE_MD_GET_V2 0x05
#define FIRMWARE_UPDATE_MD_REPORT_V2 0x06
#define FIRMWARE_UPDATE_MD_REQUEST_GET_V2 0x03
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_V2 0x04
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_V2 0x07
/* Values used for Firmware Update Md Get command */
#define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_REPORT_NUMBER_1_MASK_V2 0x7F
#define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_ZERO_BIT_MASK_V2 0x80
/* Values used for Firmware Update Md Report command */
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_REPORT_NUMBER_1_MASK_V2 0x7F
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_LAST_BIT_MASK_V2 0x80
/* Values used for Firmware Update Md Request Report command */
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_COMBINATION_V2 0x00
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_REQUIRES_AUTHENTICATION_V2 0x01
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_VALID_COMBINATION_V2 0xFF
/* Values used for Firmware Update Md Status Report command */
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_WITHOUT_CHECKSUM_ERROR_V2 0x00
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_V2 0x01
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_V2 0xFF

/* Firmware Update Md command class commands */
#define FIRMWARE_UPDATE_MD_VERSION_V3 0x03
#define FIRMWARE_MD_GET_V3 0x01
#define FIRMWARE_MD_REPORT_V3 0x02
#define FIRMWARE_UPDATE_MD_GET_V3 0x05
#define FIRMWARE_UPDATE_MD_REPORT_V3 0x06
#define FIRMWARE_UPDATE_MD_REQUEST_GET_V3 0x03
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_V3 0x04
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_V3 0x07
/* Values used for Firmware Update Md Get command */
#define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_REPORT_NUMBER_1_MASK_V3 0x7F
#define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_ZERO_BIT_MASK_V3 0x80
/* Values used for Firmware Update Md Report command */
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_REPORT_NUMBER_1_MASK_V3 0x7F
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_LAST_BIT_MASK_V3 0x80
/* Values used for Firmware Update Md Request Report command */
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_COMBINATION_V3 0x00
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_REQUIRES_AUTHENTICATION_V3 0x01
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_FRAGMENT_SIZE_V3 0x02
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_NOT_UPGRADABLE_V3 0x03
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_VALID_COMBINATION_V3 0xFF
/* Values used for Firmware Update Md Status Report command */
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_WITHOUT_CHECKSUM_ERROR_V3 0x00
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_V3 0x01
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_STORED_V3 0xFE
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_V3 0xFF

/* Firmware Update Md command class commands */
#define FIRMWARE_UPDATE_MD_VERSION_V4 0x04
#define FIRMWARE_MD_GET_V4 0x01
#define FIRMWARE_MD_REPORT_V4 0x02
#define FIRMWARE_UPDATE_MD_GET_V4 0x05
#define FIRMWARE_UPDATE_MD_REPORT_V4 0x06
#define FIRMWARE_UPDATE_MD_REQUEST_GET_V4 0x03
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_V4 0x04
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_V4 0x07
#define FIRMWARE_UPDATE_ACTIVATION_SET_V4 0x08
#define FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_V4 0x09
/* Values used for Firmware Update Md Get command */
#define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_REPORT_NUMBER_1_MASK_V4 0x7F
#define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_ZERO_BIT_MASK_V4 0x80
/* Values used for Firmware Update Md Report command */
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_REPORT_NUMBER_1_MASK_V4 0x7F
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_LAST_BIT_MASK_V4 0x80
/* Values used for Firmware Update Md Request Get command */
#define FIRMWARE_UPDATE_MD_REQUEST_GET_PROPERTIES1_ACTIVATION_BIT_MASK_V4 0x01
#define FIRMWARE_UPDATE_MD_REQUEST_GET_PROPERTIES1_RESERVED_MASK_V4 0xFE
#define FIRMWARE_UPDATE_MD_REQUEST_GET_PROPERTIES1_RESERVED_SHIFT_V4 0x01
/* Values used for Firmware Update Md Request Report command */
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_COMBINATION_V4 0x00
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_REQUIRES_AUTHENTICATION_V4 0x01
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_FRAGMENT_SIZE_V4 0x02
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_NOT_UPGRADABLE_V4 0x03
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_VALID_COMBINATION_V4 0xFF

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/* Values used for Firmware Update Md Status Report command */
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_WITHOUT_CHECKSUM_ERROR_V4 0x00
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_V4 0x01
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_DOES_NOT_MATCH_THE_MANUFACTURER_ID_V4 0x02
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_DOES_NOT_MATCH_THE_FIRMWARE_ID_V4 0x03
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_DOES_NOT_MATCH_THE_FIRMWARE_TARGET_V4 0x04
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_INVALID_FILE_HEADER_INFORMATION_V4 0x05
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_INVALID_FILE_HEADER_FORMAT_V4 0x06
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_INSUFFICIENT_MEMORY_V4 0x07
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_WAITING_FOR_ACTIVATION_V4 0xFD
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_STORED_V4 0xFE
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_V4 0xFF
/* Values used for Firmware Update Activation Status Report command */
#define FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_INVALID_COMBINATION_V4 0x00
#define FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_ERROR_ACTIVATING_THE_FIRMWARE_V4 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 0x02
#define FIRMWARE_UPDATE_MD_GET_V5 0x05
#define FIRMWARE_UPDATE_MD_REPORT_V5 0x06
#define FIRMWARE_UPDATE_MD_REQUEST_GET_V5 0x03
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_V5 0x04
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_V5 0x07
#define FIRMWARE_UPDATE_ACTIVATION_SET_V5 0x08
#define FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_V5 0x09
#define FIRMWARE_UPDATE_MD_PREPARE_GET_V5 0x0A
#define FIRMWARE_UPDATE_MD_PREPARE_REPORT_V5 0x0B
/* Values used for Firmware Update Md Get command */
#define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_REPORT_NUMBER_1_MASK_V5 0x7F
#define FIRMWARE_UPDATE_MD_GET_PROPERTIES1_ZERO_BIT_MASK_V5 0x80
/* Values used for Firmware Update Md Report command */
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_REPORT_NUMBER_1_MASK_V5 0x7F
#define FIRMWARE_UPDATE_MD_REPORT_PROPERTIES1_LAST_BIT_MASK_V5 0x80
/* Values used for Firmware Update Md Request Get command */
#define FIRMWARE_UPDATE_MD_REQUEST_GET_PROPERTIES1_ACTIVATION_BIT_MASK_V5 0x01
#define FIRMWARE_UPDATE_MD_REQUEST_GET_PROPERTIES1_RESERVED_MASK_V5 0xFE
#define FIRMWARE_UPDATE_MD_REQUEST_GET_PROPERTIES1_RESERVED_SHIFT_V5 0x01
/* Values used for Firmware Update Md Request Report command */
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_COMBINATION_V5 0x00
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_REQUIRES_AUTHENTICATION_V5 0x01
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_FRAGMENT_SIZE_V5 0x02
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_NOT_UPGRADABLE_V5 0x03
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_INVALID_HARDWARE_VERSION_V5 0x04
#define FIRMWARE_UPDATE_MD_REQUEST_REPORT_VALID_COMBINATION_V5 0xFF
/* Values used for Firmware Update Md Status Report command */
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_WITHOUT_CHECKSUM_ERROR_V5 0x00
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_UNABLE_TO_RECEIVE_V5 0x01
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_DOES_NOT_MATCH_THE_MANUFACTURER_ID_V5 0x02
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_DOES_NOT_MATCH_THE_FIRMWARE_ID_V5 0x03
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_DOES_NOT_MATCH_THE_FIRMWARE_TARGET_V5 0x04
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_INVALID_FILE_HEADER_INFORMATION_V5 0x05
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_INVALID_FILE_HEADER_FORMAT_V5 0x06
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_INSUFFICIENT_MEMORY_V5 0x07
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_DOES_NOT_MATCH_THE_HARDWARE_VERSION_V5 0x08
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_WAITING_FOR_ACTIVATION_V5 0xFD
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_STORED_V5 0xFE
#define FIRMWARE_UPDATE_MD_STATUS_REPORT_SUCCESSFULLY_V5 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 0x00
#define FIRMWARE_UPDATE_MD_PREPARE_REPORT_REQUIRES_AUTHENTICATION_V5 0x01
#define FIRMWARE_UPDATE_MD_PREPARE_REPORT_INVALID_FRAGMENT_SIZE_V5 0x02
#define FIRMWARE_UPDATE_MD_PREPARE_REPORT_NOT_UPGRADABLE_V5 0x03
#define FIRMWARE_UPDATE_MD_PREPARE_REPORT_INVALID_HARDWARE_VERSION_V5 0x04
#define FIRMWARE_UPDATE_MD_PREPARE_REPORT_VALID_COMBINATION_V5 0xFF

/* Geographic Location command class commands */
#define GEOGRAPHIC_LOCATION_VERSION 0x01
#define GEOGRAPHIC_LOCATION_GET 0x02
#define GEOGRAPHIC_LOCATION_REPORT 0x03
#define GEOGRAPHIC_LOCATION_SET 0x01
/* Values used for Geographic Location Report command */
#define GEOGRAPHIC_LOCATION_REPORT_LEVEL_LONGITUDE_MINUTES_MASK 0x7F
#define GEOGRAPHIC_LOCATION_REPORT_LEVEL_LONG_SIGN_BIT_MASK 0x80
#define GEOGRAPHIC_LOCATION_REPORT_LEVEL2_LATITUDE_MINUTES_MASK 0x7F

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#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 0x80
#define GEOGRAPHIC_LOCATION_SET_LEVEL2_LATITUDE_MINUTES_MASK 0x7F
#define GEOGRAPHIC_LOCATION_SET_LEVEL2_LAT_SIGN_BIT_MASK 0x80

/* Grouping Name command class commands */
#define GROUPING_NAME_VERSION 0x01
#define GROUPING_NAME_GET 0x02
#define GROUPING_NAME_REPORT 0x03
#define GROUPING_NAME_SET 0x01
/* Values used for Grouping Name Report command */
#define GROUPING_NAME_REPORT_PROPERTIES1_CHAR_PRESENTATION_MASK 0x07
#define GROUPING_NAME_REPORT_PROPERTIES1_RESERVED_MASK 0xF8
#define GROUPING_NAME_REPORT_PROPERTIES1_RESERVED_SHIFT 0x03
/* Values used for Grouping Name Set command */
#define GROUPING_NAME_SET_PROPERTIES1_CHAR_PRESENTATION_MASK 0x07
#define GROUPING_NAME_SET_PROPERTIES1_RESERVED_MASK 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 0x01
#define HRV_CONTROL_BYPASS_GET 0x05
#define HRV_CONTROL_BYPASS_REPORT 0x06
#define HRV_CONTROL_BYPASS_SET 0x04
#define HRV_CONTROL_MODE_GET 0x02
#define HRV_CONTROL_MODE_REPORT 0x03
#define HRV_CONTROL_MODE_SET 0x01
#define HRV_CONTROL_MODE_SUPPORTED_GET 0x0A
#define HRV_CONTROL_MODE_SUPPORTED_REPORT 0x0B
#define HRV_CONTROL_VENTILATION_RATE_GET 0x08
#define HRV_CONTROL_VENTILATION_RATE_REPORT 0x09
#define HRV_CONTROL_VENTILATION_RATE_SET 0x07
/* Values used for Hrv Control Mode Report command */
#define HRV_CONTROL_MODE_REPORT_PROPERTIES1_MODE_MASK 0x1F
#define HRV_CONTROL_MODE_REPORT_MODE_OFF 0x00
#define HRV_CONTROL_MODE_REPORT_MODE_DEMAND_AUTOMATIC 0x01
#define HRV_CONTROL_MODE_REPORT_MODE_SCHEDULE 0x02
#define HRV_CONTROL_MODE_REPORT_MODE_ENERGY_SAVINGS_MODE 0x03
#define HRV_CONTROL_MODE_REPORT_MODE_MANUAL 0x04
#define HRV_CONTROL_MODE_REPORT_PROPERTIES1_RESERVED_MASK 0xE0
#define HRV_CONTROL_MODE_REPORT_PROPERTIES1_RESERVED_SHIFT 0x05
/* Values used for Hrv Control Mode Set command */
#define HRV_CONTROL_MODE_SET_PROPERTIES1_MODE_MASK 0x1F
#define HRV_CONTROL_MODE_SET_MODE_OFF 0x00
#define HRV_CONTROL_MODE_SET_MODE_DEMAND_AUTOMATIC 0x01
#define HRV_CONTROL_MODE_SET_MODE_SCHEDULE 0x02
#define HRV_CONTROL_MODE_SET_MODE_ENERGY_SAVINGS_MODE 0x03
#define HRV_CONTROL_MODE_SET_MODE_MANUAL 0x04
#define HRV_CONTROL_MODE_SET_PROPERTIES1_RESERVED_MASK 0xE0
#define HRV_CONTROL_MODE_SET_PROPERTIES1_RESERVED_SHIFT 0x05
/* 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_MANUAL_CONTROL_SUPPORTED_BYPASS_OPEN_CLOSE 0x00
#define HRV_CONTROL_MODE_SUPPORTED_REPORT_MANUAL_CONTROL_SUPPORTED_BYPASS_AUTO 0x01
#define HRV_CONTROL_MODE_SUPPORTED_REPORT_MANUAL_CONTROL_SUPPORTED_MODULATED_BYPASS 0x02
#define HRV_CONTROL_MODE_SUPPORTED_REPORT_MANUAL_CONTROL_SUPPORTED_VENTILATION_RATE 0x03
#define HRV_CONTROL_MODE_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK 0xF0
#define HRV_CONTROL_MODE_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT 0x04

/* Hrv Status command class commands */
#define HRV_STATUS_VERSION 0x01
#define HRV_STATUS_GET 0x01
#define HRV_STATUS_REPORT 0x02
#define HRV_STATUS_SUPPORTED_GET 0x03
#define HRV_STATUS_SUPPORTED_REPORT 0x04
/* Values used for Hrv Status Get command */
#define HRV_STATUS_GET_OUTDOOR_AIR_TEMPERATURE 0x00
#define HRV_STATUS_GET_SUPPLY_AIR_TEMPERATURE 0x01
#define HRV_STATUS_GET_EXHAUST_AIR_TEMPERATURE 0x02
#define HRV_STATUS_GET_DISCHARGE_AIR_TEMPERATURE 0x03
#define HRV_STATUS_GET_ROOM_TEMPERATURE 0x04
#define HRV_STATUS_GET_RELATIVE_HUMIDITY_IN_ROOM 0x05
#define HRV_STATUS_GET_REMAINING_FILTER_LIFE 0x06
/* Values used for Hrv Status Report command */
#define HRV_STATUS_REPORT_OUTDOOR_AIR_TEMPERATURE 0x00

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#define HRV_STATUS_REPORT_SUPPLY_AIR_TEMPERATURE 0x01
#define HRV_STATUS_REPORT_EXHAUST_AIR_TEMPERATURE 0x02
#define HRV_STATUS_REPORT_DISCHARGE_AIR_TEMPERATURE 0x03
#define HRV_STATUS_REPORT_ROOM_TEMPERATURE 0x04
#define HRV_STATUS_REPORT_RELATIVE_HUMIDITY_IN_ROOM 0x05
#define HRV_STATUS_REPORT_REMAINING_FILTER_LIFE 0x06
#define HRV_STATUS_REPORT_PROPERTIES1_SIZE_MASK 0x07
#define HRV_STATUS_REPORT_PROPERTIES1_SCALE_MASK 0x18
#define HRV_STATUS_REPORT_PROPERTIES1_SCALE_SHIFT 0x03
#define HRV_STATUS_REPORT_PROPERTIES1_PRECISION_MASK 0xE0
#define HRV_STATUS_REPORT_PROPERTIES1_PRECISION_SHIFT 0x05

/* Indicator command class commands */
#define INDICATOR_VERSION 0x01
#define INDICATOR_GET 0x02
#define INDICATOR_REPORT 0x03
#define INDICATOR_SET 0x01

/* Indicator command class commands */
#define INDICATOR_VERSION_V2 0x02
#define INDICATOR_GET_V2 0x02
#define INDICATOR_REPORT_V2 0x03
#define INDICATOR_SET_V2 0x01
#define INDICATOR_SUPPORTED_GET_V2 0x04
#define INDICATOR_SUPPORTED_REPORT_V2 0x05
/* Values used for Indicator Get command */
#define INDICATOR_GET_NA_V2 0x00
#define INDICATOR_GET_ARMED_V2 0x01
#define INDICATOR_GET_NOT_ARMED_V2 0x02
#define INDICATOR_GET_READY_V2 0x03
#define INDICATOR_GET_FAULT_V2 0x04
#define INDICATOR_GET_BUSY_V2 0x05
#define INDICATOR_GET_ENTER_ID_V2 0x06
#define INDICATOR_GET_ENTER_PIN_V2 0x07
#define INDICATOR_GET_OK_V2 0x08
#define INDICATOR_GET_NOT_OK_V2 0x09
#define INDICATOR_GET_ZONE1_ARMED_V2 0x20
#define INDICATOR_GET_ZONE2_ARMED_V2 0x21
#define INDICATOR_GET_ZONE3_ARMED_V2 0x22
#define INDICATOR_GET_ZONE4_ARMED_V2 0x23
#define INDICATOR_GET_ZONE5_ARMED_V2 0x24
#define INDICATOR_GET_ZONE6_ARMED_V2 0x25
#define INDICATOR_GET_LCD_BACKLIGHT_V2 0x30
#define INDICATOR_GET_BUTTON_BACKLIGHT_LETTERS_V2 0x40
#define INDICATOR_GET_BUTTON_BACKLIGHT_DIGITS_V2 0x41
#define INDICATOR_GET_BUTTON_BACKLIGHT_COMMAND_V2 0x42
#define INDICATOR_GET_BUTTON1_INDICATION_V2 0x43
#define INDICATOR_GET_BUTTON2_INDICATION_V2 0x44
#define INDICATOR_GET_BUTTON3_INDICATION_V2 0x45
#define INDICATOR_GET_BUTTON4_INDICATION_V2 0x46
#define INDICATOR_GET_BUTTON5_INDICATION_V2 0x47
#define INDICATOR_GET_BUTTON6_INDICATION_V2 0x48
#define INDICATOR_GET_BUTTON7_INDICATION_V2 0x49
#define INDICATOR_GET_BUTTON8_INDICATION_V2 0x4A
#define INDICATOR_GET_BUTTON9_INDICATION_V2 0x4B
#define INDICATOR_GET_BUTTON10_INDICATION_V2 0x4C
#define INDICATOR_GET_BUTTON11_INDICATION_V2 0x4D
#define INDICATOR_GET_BUTTON12_INDICATION_V2 0x4E
#define INDICATOR_GET_BUZZER_V2 0xF0
/* Values used for Indicator Report command */
#define INDICATOR_REPORT_PROPERTIES1_INDICATOR_OBJECT_COUNT_MASK_V2 0x1F
#define INDICATOR_REPORT_PROPERTIES1_RESERVED_MASK_V2 0xE0
#define INDICATOR_REPORT_PROPERTIES1_RESERVED_SHIFT_V2 0x05
#define INDICATOR_REPORT_NA_V2 0x00
#define INDICATOR_REPORT_ARMED_V2 0x01
#define INDICATOR_REPORT_NOT_ARMED_V2 0x02
#define INDICATOR_REPORT_READY_V2 0x03
#define INDICATOR_REPORT_FAULT_V2 0x04
#define INDICATOR_REPORT_BUSY_V2 0x05
#define INDICATOR_REPORT_ENTER_ID_V2 0x06
#define INDICATOR_REPORT_ENTER_PIN_V2 0x07
#define INDICATOR_REPORT_OK_V2 0x08
#define INDICATOR_REPORT_NOT_OK_V2 0x09
#define INDICATOR_REPORT_ZONE1_ARMED_V2 0x20
#define INDICATOR_REPORT_ZONE2_ARMED_V2 0x21
#define INDICATOR_REPORT_ZONE3_ARMED_V2 0x22
#define INDICATOR_REPORT_ZONE4_ARMED_V2 0x23
#define INDICATOR_REPORT_ZONE5_ARMED_V2 0x24
#define INDICATOR_REPORT_ZONE6_ARMED_V2 0x25
#define INDICATOR_REPORT_LCD_BACKLIGHT_V2 0x30
#define INDICATOR_REPORT_BUTTON_BACKLIGHT_LETTERS_V2 0x40
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#define INDICATOR_REPORT_BUTTON_BACKLIGHT_DIGITS_V2 0x41
#define INDICATOR_REPORT_BUTTON_BACKLIGHT_COMMAND_V2 0x42
#define INDICATOR_REPORT_BUTTON1_INDICATION_V2 0x43
#define INDICATOR_REPORT_BUTTON2_INDICATION_V2 0x44
#define INDICATOR_REPORT_BUTTON3_INDICATION_V2 0x45
#define INDICATOR_REPORT_BUTTON4_INDICATION_V2 0x46
#define INDICATOR_REPORT_BUTTON5_INDICATION_V2 0x47
#define INDICATOR_REPORT_BUTTON6_INDICATION_V2 0x48
#define INDICATOR_REPORT_BUTTON7_INDICATION_V2 0x49
#define INDICATOR_REPORT_BUTTON8_INDICATION_V2 0x4A
#define INDICATOR_REPORT_BUTTON9_INDICATION_V2 0x4B
#define INDICATOR_REPORT_BUTTON10_INDICATION_V2 0x4C
#define INDICATOR_REPORT_BUTTON11_INDICATION_V2 0x4D
#define INDICATOR_REPORT_BUTTON12_INDICATION_V2 0x4E
#define INDICATOR_REPORT_BUZZER_V2 0xF0
#define INDICATOR_REPORT_MULTILEVEL_V2 0x01
#define INDICATOR_REPORT_BINARY_V2 0x02
#define INDICATOR_REPORT_ON_OFF_PERIOD_V2 0x03
#define INDICATOR_REPORT_ON_OFF_CYCLES_V2 0x04
#define INDICATOR_REPORT_LOW_POWER_V2 0x10
/* Values used for Indicator Set command */
#define INDICATOR_SET_PROPERTIES1_INDICATOR_OBJECT_COUNT_MASK_V2 0x1F
#define INDICATOR_SET_PROPERTIES1_RESERVED_MASK_V2 0xE0
#define INDICATOR_SET_PROPERTIES1_RESERVED_SHIFT_V2 0x05
#define INDICATOR_SET_NA_V2 0x00
#define INDICATOR_SET_ARMED_V2 0x01
#define INDICATOR_SET_NOT_ARMED_V2 0x02
#define INDICATOR_SET_READY_V2 0x03
#define INDICATOR_SET_FAULT_V2 0x04
#define INDICATOR_SET_BUSY_V2 0x05
#define INDICATOR_SET_ENTER_ID_V2 0x06
#define INDICATOR_SET_ENTER_PIN_V2 0x07
#define INDICATOR_SET_OK_V2 0x08
#define INDICATOR_SET_NOT_OK_V2 0x09
#define INDICATOR_SET_ZONE1_ARMED_V2 0x20
#define INDICATOR_SET_ZONE2_ARMED_V2 0x21
#define INDICATOR_SET_ZONE3_ARMED_V2 0x22
#define INDICATOR_SET_ZONE4_ARMED_V2 0x23
#define INDICATOR_SET_ZONE5_ARMED_V2 0x24
#define INDICATOR_SET_ZONE6_ARMED_V2 0x25
#define INDICATOR_SET_LCD_BACKLIGHT_V2 0x30
#define INDICATOR_SET_BUTTON_BACKLIGHT_LETTERS_V2 0x40
#define INDICATOR_SET_BUTTON_BACKLIGHT_DIGITS_V2 0x41
#define INDICATOR_SET_BUTTON_BACKLIGHT_COMMAND_V2 0x42
#define INDICATOR_SET_BUTTON1_INDICATION_V2 0x43
#define INDICATOR_SET_BUTTON2_INDICATION_V2 0x44
#define INDICATOR_SET_BUTTON3_INDICATION_V2 0x45
#define INDICATOR_SET_BUTTON4_INDICATION_V2 0x46
#define INDICATOR_SET_BUTTON5_INDICATION_V2 0x47
#define INDICATOR_SET_BUTTON6_INDICATION_V2 0x48
#define INDICATOR_SET_BUTTON7_INDICATION_V2 0x49
#define INDICATOR_SET_BUTTON8_INDICATION_V2 0x4A
#define INDICATOR_SET_BUTTON9_INDICATION_V2 0x4B
#define INDICATOR_SET_BUTTON10_INDICATION_V2 0x4C
#define INDICATOR_SET_BUTTON11_INDICATION_V2 0x4D
#define INDICATOR_SET_BUTTON12_INDICATION_V2 0x4E
#define INDICATOR_SET_BUZZER_V2 0xF0
#define INDICATOR_SET_MULTILEVEL_V2 0x01
#define INDICATOR_SET_BINARY_V2 0x02
#define INDICATOR_SET_ON_OFF_PERIOD_V2 0x03
#define INDICATOR_SET_ON_OFF_CYCLES_V2 0x04
#define INDICATOR_SET_LOW_POWER_V2 0x10
/* Values used for Indicator Supported Get command */
#define INDICATOR_SUPPORTED_GET_NA_V2 0x00
#define INDICATOR_SUPPORTED_GET_ARMED_V2 0x01
#define INDICATOR_SUPPORTED_GET_NOT_ARMED_V2 0x02
#define INDICATOR_SUPPORTED_GET_READY_V2 0x03
#define INDICATOR_SUPPORTED_GET_FAULT_V2 0x04
#define INDICATOR_SUPPORTED_GET_BUSY_V2 0x05
#define INDICATOR_SUPPORTED_GET_ENTER_ID_V2 0x06
#define INDICATOR_SUPPORTED_GET_ENTER_PIN_V2 0x07
#define INDICATOR_SUPPORTED_GET_OK_V2 0x08
#define INDICATOR_SUPPORTED_GET_NOT_OK_V2 0x09
#define INDICATOR_SUPPORTED_GET_ZONE1_ARMED_V2 0x20
#define INDICATOR_SUPPORTED_GET_ZONE2_ARMED_V2 0x21
#define INDICATOR_SUPPORTED_GET_ZONE3_ARMED_V2 0x22
#define INDICATOR_SUPPORTED_GET_ZONE4_ARMED_V2 0x23
#define INDICATOR_SUPPORTED_GET_ZONE5_ARMED_V2 0x24
#define INDICATOR_SUPPORTED_GET_ZONE6_ARMED_V2 0x25
#define INDICATOR_SUPPORTED_GET_LCD_BACKLIGHT_V2 0x30
#define INDICATOR_SUPPORTED_GET_BUTTON_BACKLIGHT_LETTERS_V2 0x40
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#define INDICATOR_SUPPORTED_GET_BUTTON_BACKLIGHT_DIGITS_V2 0x41
#define INDICATOR_SUPPORTED_GET_BUTTON_BACKLIGHT_COMMAND_V2 0x42
#define INDICATOR_SUPPORTED_GET_BUTTON1_INDICATION_V2 0x43
#define INDICATOR_SUPPORTED_GET_BUTTON2_INDICATION_V2 0x44
#define INDICATOR_SUPPORTED_GET_BUTTON3_INDICATION_V2 0x45
#define INDICATOR_SUPPORTED_GET_BUTTON4_INDICATION_V2 0x46
#define INDICATOR_SUPPORTED_GET_BUTTON5_INDICATION_V2 0x47
#define INDICATOR_SUPPORTED_GET_BUTTON6_INDICATION_V2 0x48
#define INDICATOR_SUPPORTED_GET_BUTTON7_INDICATION_V2 0x49
#define INDICATOR_SUPPORTED_GET_BUTTON8_INDICATION_V2 0x4A
#define INDICATOR_SUPPORTED_GET_BUTTON9_INDICATION_V2 0x4B
#define INDICATOR_SUPPORTED_GET_BUTTON10_INDICATION_V2 0x4C
#define INDICATOR_SUPPORTED_GET_BUTTON11_INDICATION_V2 0x4D
#define INDICATOR_SUPPORTED_GET_BUTTON12_INDICATION_V2 0x4E
#define INDICATOR_SUPPORTED_GET_BUZZER_V2 0xF0
/* Values used for Indicator Supported Report command */
#define INDICATOR_SUPPORTED_REPORT_NA_V2 0x00
#define INDICATOR_SUPPORTED_REPORT_ARMED_V2 0x01
#define INDICATOR_SUPPORTED_REPORT_NOT_ARMED_V2 0x02
#define INDICATOR_SUPPORTED_REPORT_READY_V2 0x03
#define INDICATOR_SUPPORTED_REPORT_FAULT_V2 0x04
#define INDICATOR_SUPPORTED_REPORT_BUSY_V2 0x05
#define INDICATOR_SUPPORTED_REPORT_ENTER_ID_V2 0x06
#define INDICATOR_SUPPORTED_REPORT_ENTER_PIN_V2 0x07
#define INDICATOR_SUPPORTED_REPORT_OK_V2 0x08
#define INDICATOR_SUPPORTED_REPORT_NOT_OK_V2 0x09
#define INDICATOR_SUPPORTED_REPORT_ZONE1_ARMED_V2 0x20
#define INDICATOR_SUPPORTED_REPORT_ZONE2_ARMED_V2 0x21
#define INDICATOR_SUPPORTED_REPORT_ZONE3_ARMED_V2 0x22
#define INDICATOR_SUPPORTED_REPORT_ZONE4_ARMED_V2 0x23
#define INDICATOR_SUPPORTED_REPORT_ZONE5_ARMED_V2 0x24
#define INDICATOR_SUPPORTED_REPORT_ZONE6_ARMED_V2 0x25
#define INDICATOR_SUPPORTED_REPORT_LCD_BACKLIGHT_V2 0x30
#define INDICATOR_SUPPORTED_REPORT_BUTTON_BACKLIGHT_LETTERS_V2 0x40
#define INDICATOR_SUPPORTED_REPORT_BUTTON_BACKLIGHT_DIGITS_V2 0x41
#define INDICATOR_SUPPORTED_REPORT_BUTTON_BACKLIGHT_COMMAND_V2 0x42
#define INDICATOR_SUPPORTED_REPORT_BUTTON1_INDICATION_V2 0x43
#define INDICATOR_SUPPORTED_REPORT_BUTTON2_INDICATION_V2 0x44
#define INDICATOR_SUPPORTED_REPORT_BUTTON3_INDICATION_V2 0x45
#define INDICATOR_SUPPORTED_REPORT_BUTTON4_INDICATION_V2 0x46
#define INDICATOR_SUPPORTED_REPORT_BUTTON5_INDICATION_V2 0x47
#define INDICATOR_SUPPORTED_REPORT_BUTTON6_INDICATION_V2 0x48
#define INDICATOR_SUPPORTED_REPORT_BUTTON7_INDICATION_V2 0x49
#define INDICATOR_SUPPORTED_REPORT_BUTTON8_INDICATION_V2 0x4A
#define INDICATOR_SUPPORTED_REPORT_BUTTON9_INDICATION_V2 0x4B
#define INDICATOR_SUPPORTED_REPORT_BUTTON10_INDICATION_V2 0x4C
#define INDICATOR_SUPPORTED_REPORT_BUTTON11_INDICATION_V2 0x4D
#define INDICATOR_SUPPORTED_REPORT_BUTTON12_INDICATION_V2 0x4E
#define INDICATOR_SUPPORTED_REPORT_BUZZER_V2 0xF0
#define INDICATOR_SUPPORTED_REPORT_NA_V2 0x00
#define INDICATOR_SUPPORTED_REPORT_ARMED_V2 0x01
#define INDICATOR_SUPPORTED_REPORT_NOT_ARMED_V2 0x02
#define INDICATOR_SUPPORTED_REPORT_READY_V2 0x03
#define INDICATOR_SUPPORTED_REPORT_FAULT_V2 0x04
#define INDICATOR_SUPPORTED_REPORT_BUSY_V2 0x05
#define INDICATOR_SUPPORTED_REPORT_ENTER_ID_V2 0x06
#define INDICATOR_SUPPORTED_REPORT_ENTER_PIN_V2 0x07
#define INDICATOR_SUPPORTED_REPORT_OK_V2 0x08
#define INDICATOR_SUPPORTED_REPORT_NOT_OK_V2 0x09
#define INDICATOR_SUPPORTED_REPORT_ZONE1_ARMED_V2 0x20
#define INDICATOR_SUPPORTED_REPORT_ZONE2_ARMED_V2 0x21
#define INDICATOR_SUPPORTED_REPORT_ZONE3_ARMED_V2 0x22
#define INDICATOR_SUPPORTED_REPORT_ZONE4_ARMED_V2 0x23
#define INDICATOR_SUPPORTED_REPORT_ZONE5_ARMED_V2 0x24
#define INDICATOR_SUPPORTED_REPORT_ZONE6_ARMED_V2 0x25
#define INDICATOR_SUPPORTED_REPORT_LCD_BACKLIGHT_V2 0x30
#define INDICATOR_SUPPORTED_REPORT_BUTTON_BACKLIGHT_LETTERS_V2 0x40
#define INDICATOR_SUPPORTED_REPORT_BUTTON_BACKLIGHT_DIGITS_V2 0x41
#define INDICATOR_SUPPORTED_REPORT_BUTTON_BACKLIGHT_COMMAND_V2 0x42
#define INDICATOR_SUPPORTED_REPORT_BUTTON1_INDICATION_V2 0x43
#define INDICATOR_SUPPORTED_REPORT_BUTTON2_INDICATION_V2 0x44
#define INDICATOR_SUPPORTED_REPORT_BUTTON3_INDICATION_V2 0x45
#define INDICATOR_SUPPORTED_REPORT_BUTTON4_INDICATION_V2 0x46
#define INDICATOR_SUPPORTED_REPORT_BUTTON5_INDICATION_V2 0x47
#define INDICATOR_SUPPORTED_REPORT_BUTTON6_INDICATION_V2 0x48
#define INDICATOR_SUPPORTED_REPORT_BUTTON7_INDICATION_V2 0x49
#define INDICATOR_SUPPORTED_REPORT_BUTTON8_INDICATION_V2 0x4A
#define INDICATOR_SUPPORTED_REPORT_BUTTON9_INDICATION_V2 0x4B
#define INDICATOR_SUPPORTED_REPORT_BUTTON10_INDICATION_V2 0x4C
#define INDICATOR_SUPPORTED_REPORT_BUTTON11_INDICATION_V2 0x4D
#define INDICATOR_SUPPORTED_REPORT_BUTTON12_INDICATION_V2 0x4E
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#define INDICATOR_SUPPORTED_REPORT_BUZZER_V2 0xF0
#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 */
#define IP_CONFIGURATION_VERSION 0x01
#define IP_CONFIGURATION_GET 0x02
#define IP_CONFIGURATION_RELEASE 0x04
#define IP_CONFIGURATION_RENEW 0x05
#define IP_CONFIGURATION_REPORT 0x03
#define IP_CONFIGURATION_SET 0x01
/* Values used for Ip Configuration Report command */
#define IP_CONFIGURATION_REPORT_PROPERTIES1_AUTO_DNS_BIT_MASK 0x01
#define IP_CONFIGURATION_REPORT_PROPERTIES1_AUTO_IP_BIT_MASK 0x02
#define IP_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_MASK 0xFC
#define IP_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_SHIFT 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 0x02
#define IP_CONFIGURATION_SET_PROPERTIES1_RESERVED_MASK 0xFC
#define IP_CONFIGURATION_SET_PROPERTIES1_RESERVED_SHIFT 0x02

/* Language command class commands */
#define LANGUAGE_VERSION 0x01
#define LANGUAGE_GET 0x02
#define LANGUAGE_REPORT 0x03
#define LANGUAGE_SET 0x01

/* Lock command class commands */
#define LOCK_VERSION 0x01
#define LOCK_GET 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 0x01
#define MANUFACTURER_SPECIFIC_GET 0x04
#define MANUFACTURER_SPECIFIC_REPORT 0x05

/* Manufacturer Specific command class commands */
#define MANUFACTURER_SPECIFIC_VERSION_V2 0x02
#define MANUFACTURER_SPECIFIC_GET_V2 0x04
#define MANUFACTURER_SPECIFIC_REPORT_V2 0x05
#define DEVICE_SPECIFIC_GET_V2 0x06
#define DEVICE_SPECIFIC_REPORT_V2 0x07
/* Values used for Device Specific Get command */
#define DEVICE_SPECIFIC_GET_PROPERTIES1_DEVICE_ID_TYPE_MASK_V2 0x07
#define DEVICE_SPECIFIC_GET_DEVICE_ID_TYPE_RESERVED_V2 0x00
#define DEVICE_SPECIFIC_GET_DEVICE_ID_TYPE_SERIAL_NUMBER_V2 0x01
#define DEVICE_SPECIFIC_GET_PROPERTIES1_RESERVED_MASK_V2 0xF8
#define DEVICE_SPECIFIC_GET_PROPERTIES1_RESERVED_SHIFT_V2 0x03
/* Values used for Device Specific Report command */
#define DEVICE_SPECIFIC_REPORT_PROPERTIES1_DEVICE_ID_TYPE_MASK_V2 0x07
#define DEVICE_SPECIFIC_REPORT_DEVICE_ID_TYPE_RESERVED_V2 0x00
#define DEVICE_SPECIFIC_REPORT_DEVICE_ID_TYPE_SERIAL_NUMBER_V2 0x01
#define DEVICE_SPECIFIC_REPORT_PROPERTIES1_RESERVED_MASK_V2 0xF8
#define DEVICE_SPECIFIC_REPORT_PROPERTIES1_RESERVED_SHIFT_V2 0x03
#define DEVICE_SPECIFIC_REPORT_PROPERTIES2_DEVICE_ID_DATA_LENGTH_INDICATOR_MASK_V2 0x1F
#define DEVICE_SPECIFIC_REPORT_PROPERTIES2_DEVICE_ID_DATA_FORMAT_MASK_V2 0xE0
#define DEVICE_SPECIFIC_REPORT_PROPERTIES2_DEVICE_ID_DATA_FORMAT_SHIFT_V2 0x05
#define DEVICE_SPECIFIC_REPORT_DEVICE_ID_DATA_FORMAT_RESERVED_V2 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 0x01
#define METER_PULSE_GET 0x04
#define METER_PULSE_REPORT 0x05

/* Meter Tbl Config command class commands */
#define METER_TBL_CONFIG_VERSION 0x01
#define METER_TBL_TABLE_POINT_ADM_NO_SET 0x01
/* Values used for Meter Tbl Table Point Adm No Set command */
#define METER_TBL_TABLE_POINT_ADM_NO_SET_PROPERTIES1_NUMBER_OF_CHARACTERS_MASK 0x1F
#define METER_TBL_TABLE_POINT_ADM_NO_SET_PROPERTIES1_RESERVED_MASK 0xE0

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#define METER_TBL_TABLE_POINT_ADM_NO_SET_PROPERTIES1_RESERVED_SHIFT 0x05

/* Meter Tbl Monitor command class commands */
#define METER_TBL_MONITOR_VERSION 0x01
#define METER_TBL_STATUS_REPORT 0x0B
#define METER_TBL_STATUS_DATE_GET 0x0A
#define METER_TBL_STATUS_DEPTH_GET 0x09
#define METER_TBL_STATUS_SUPPORTED_GET 0x07
#define METER_TBL_STATUS_SUPPORTED_REPORT 0x08
#define METER_TBL_CURRENT_DATA_GET 0x0C
#define METER_TBL_CURRENT_DATA_REPORT 0x0D
#define METER_TBL_HISTORICAL_DATA_GET 0x0E
#define METER_TBL_HISTORICAL_DATA_REPORT 0x0F
#define METER_TBL_REPORT 0x06
#define METER_TBL_TABLE_CAPABILITY_GET 0x05
#define METER_TBL_TABLE_ID_GET 0x03
#define METER_TBL_TABLE_ID_REPORT 0x04
#define METER_TBL_TABLE_POINT_ADM_NO_GET 0x01
#define METER_TBL_TABLE_POINT_ADM_NO_REPORT 0x02
/* Values used for Meter Tbl Current Data Report command */
#define METER_TBL_CURRENT_DATA_REPORT_PROPERTIES1_RATE_TYPE_MASK 0x03
#define METER_TBL_CURRENT_DATA_REPORT_PROPERTIES1_RESERVED_MASK 0xFC
#define METER_TBL_CURRENT_DATA_REPORT_PROPERTIES1_RESERVED_SHIFT 0x02
/* Values used for Meter Tbl Historical Data Report command */
#define METER_TBL_HISTORICAL_DATA_REPORT_PROPERTIES1_RATE_TYPE_MASK 0x03
#define METER_TBL_HISTORICAL_DATA_REPORT_PROPERTIES1_RESERVED_MASK 0xFC
#define METER_TBL_HISTORICAL_DATA_REPORT_PROPERTIES1_RESERVED_SHIFT 0x02
/* Values used for Meter Tbl Report command */
#define METER_TBL_REPORT_PROPERTIES1_METER_TYPE_MASK 0x3F
#define METER_TBL_REPORT_PROPERTIES1_RATE_TYPE_MASK 0xC0
#define METER_TBL_REPORT_PROPERTIES1_RATE_TYPE_SHIFT 0x06
#define METER_TBL_REPORT_PROPERTIES2_PAY_METER_MASK 0x0F
#define METER_TBL_REPORT_PAY_METER_RESERVED 0x00
#define METER_TBL_REPORT_PAY_METER_CREDITMETER 0x01
#define METER_TBL_REPORT_PAY_METER_PREPAYMENT_METER 0x02
#define METER_TBL_REPORT_PAY_METER_PREPAYMENT_METER_DEBT 0x03
#define METER_TBL_REPORT_PROPERTIES2_RESERVED_MASK 0xF0
#define METER_TBL_REPORT_PROPERTIES2_RESERVED_SHIFT 0x04
/* Values used for Meter Tbl Table Id Report command */
#define METER_TBL_TABLE_ID_REPORT_PROPERTIES1_NUMBER_OF_CHARACTERS_MASK 0x1F
#define METER_TBL_TABLE_ID_REPORT_PROPERTIES1_RESERVED_MASK 0xE0
#define METER_TBL_TABLE_ID_REPORT_PROPERTIES1_RESERVED_SHIFT 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 0x1F
#define METER_TBL_TABLE_POINT_ADM_NO_REPORT_PROPERTIES1_RESERVED_MASK 0xE0
#define METER_TBL_TABLE_POINT_ADM_NO_REPORT_PROPERTIES1_RESERVED_SHIFT 0x05

/* Meter Tbl Monitor command class commands */
#define METER_TBL_MONITOR_VERSION_V2 0x02
#define METER_TBL_STATUS_REPORT_V2 0x0B
#define METER_TBL_STATUS_DATE_GET_V2 0x0A
#define METER_TBL_STATUS_DEPTH_GET_V2 0x09
#define METER_TBL_STATUS_SUPPORTED_GET_V2 0x07
#define METER_TBL_STATUS_SUPPORTED_REPORT_V2 0x08
#define METER_TBL_CURRENT_DATA_GET_V2 0x0C
#define METER_TBL_CURRENT_DATA_REPORT_V2 0x0D
#define METER_TBL_HISTORICAL_DATA_GET_V2 0x0E
#define METER_TBL_HISTORICAL_DATA_REPORT_V2 0x0F
#define METER_TBL_REPORT_V2 0x06
#define METER_TBL_TABLE_CAPABILITY_GET_V2 0x05
#define METER_TBL_TABLE_ID_GET_V2 0x03
#define METER_TBL_TABLE_ID_REPORT_V2 0x04
#define METER_TBL_TABLE_POINT_ADM_NO_GET_V2 0x01
#define METER_TBL_TABLE_POINT_ADM_NO_REPORT_V2 0x02
/* Values used for Meter Tbl Current Data Report command */
#define METER_TBL_CURRENT_DATA_REPORT_PROPERTIES1_RATE_TYPE_MASK_V2 0x03
#define METER_TBL_CURRENT_DATA_REPORT_PROPERTIES1_RESERVED_MASK_V2 0x7C
#define METER_TBL_CURRENT_DATA_REPORT_PROPERTIES1_RESERVED_SHIFT_V2 0x02
#define METER_TBL_CURRENT_DATA_REPORT_PROPERTIES1_OPERATING_STATUS_INDICATION_BIT_MASK_V2 0x80
/* Values used for Meter Tbl Historical Data Report command */
#define METER_TBL_HISTORICAL_DATA_REPORT_PROPERTIES1_RATE_TYPE_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 */
#define METER_TBL_REPORT_PROPERTIES1_METER_TYPE_MASK_V2 0x3F
#define METER_TBL_REPORT_PROPERTIES1_RATE_TYPE_MASK_V2 0xC0
#define METER_TBL_REPORT_PROPERTIES1_RATE_TYPE_SHIFT_V2 0x06
#define METER_TBL_REPORT_PROPERTIES2_PAY_METER_MASK_V2 0x0F
#define METER_TBL_REPORT_PAY_METER_RESERVED_V2 0x00
#define METER_TBL_REPORT_PAY_METER_CREDITMETER_V2 0x01

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#define METER_TBL_REPORT_PAY_METER_PREPAYMENT_METER_V2 0x02
#define METER_TBL_REPORT_PAY_METER_PREPAYMENT_METER_DEBT_V2 0x03
#define METER_TBL_REPORT_PROPERTIES2_RESERVED_MASK_V2 0xF0
#define METER_TBL_REPORT_PROPERTIES2_RESERVED_SHIFT_V2 0x04
/* Values used for Meter Tbl Table Id Report command */
#define METER_TBL_TABLE_ID_REPORT_PROPERTIES1_NUMBER_OF_CHARACTERS_MASK_V2 0x1F
#define METER_TBL_TABLE_ID_REPORT_PROPERTIES1_RESERVED_MASK_V2 0xE0
#define METER_TBL_TABLE_ID_REPORT_PROPERTIES1_RESERVED_SHIFT_V2 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 0x1F
#define METER_TBL_TABLE_POINT_ADM_NO_REPORT_PROPERTIES1_RESERVED_MASK_V2 0xE0
#define METER_TBL_TABLE_POINT_ADM_NO_REPORT_PROPERTIES1_RESERVED_SHIFT_V2 0x05

/* Meter Tbl Push command class commands */
#define METER_TBL_PUSH_VERSION 0x01
#define METER_TBL_PUSH_CONFIGURATION_GET 0x02
#define METER_TBL_PUSH_CONFIGURATION_REPORT 0x03
#define METER_TBL_PUSH_CONFIGURATION_SET 0x01
/* Values used for Meter Tbl Push Configuration Report command */
#define METER_TBL_PUSH_CONFIGURATION_REPORT_PROPERTIES1_OPERATING_STATUS_PUSH_MODE_MASK 0x0F
#define METER_TBL_PUSH_CONFIGURATION_REPORT_PROPERTIES1_PS_BIT_MASK 0x10
#define METER_TBL_PUSH_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_MASK 0xE0
#define METER_TBL_PUSH_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_SHIFT 0x05
/* Values used for Meter Tbl Push Configuration Set command */
#define METER_TBL_PUSH_CONFIGURATION_SET_PROPERTIES1_OPERATING_STATUS_PUSH_MODE_MASK 0x0F
#define METER_TBL_PUSH_CONFIGURATION_SET_PROPERTIES1_PS_BIT_MASK 0x10
#define METER_TBL_PUSH_CONFIGURATION_SET_PROPERTIES1_RESERVED_MASK 0xE0
#define METER_TBL_PUSH_CONFIGURATION_SET_PROPERTIES1_RESERVED_SHIFT 0x05

/* Meter command class commands */
#define METER_VERSION 0x01
#define METER_GET 0x01
#define METER_REPORT 0x02
/* Values used for Meter Report command */
#define METER_REPORT_ELECTRIC_METER 0x01
#define METER_REPORT_GAS_METER 0x02
#define METER_REPORT_WATER_METER 0x03
#define METER_REPORT_PROPERTIES1_SIZE_MASK 0x07
#define METER_REPORT_PROPERTIES1_SCALE_MASK 0x18
#define METER_REPORT_PROPERTIES1_SCALE_SHIFT 0x03
#define METER_REPORT_PROPERTIES1_PRECISION_MASK 0xE0
#define METER_REPORT_PROPERTIES1_PRECISION_SHIFT 0x05

/* Meter command class commands */
#define METER_VERSION_V2 0x02
#define METER_GET_V2 0x01
#define METER_REPORT_V2 0x02
#define METER_RESET_V2 0x05
#define METER_SUPPORTED_GET_V2 0x03
#define METER_SUPPORTED_REPORT_V2 0x04
/* Values used for Meter Get command */
#define METER_GET_PROPERTIES1_RESERVED_MASK_V2 0x07
#define METER_GET_PROPERTIES1_SCALE_MASK_V2 0x18
#define METER_GET_PROPERTIES1_SCALE_SHIFT_V2 0x03
#define METER_GET_PROPERTIES1_RESERVED2_MASK_V2 0xE0
#define METER_GET_PROPERTIES1_RESERVED2_SHIFT_V2 0x05
/* Values used for Meter Report command */
#define METER_REPORT_PROPERTIES1_METER_TYPE_MASK_V2 0x1F
#define METER_REPORT_PROPERTIES1_RATE_TYPE_MASK_V2 0x60
#define METER_REPORT_PROPERTIES1_RATE_TYPE_SHIFT_V2 0x05
#define METER_REPORT_PROPERTIES1_RESERVED_BIT_MASK_V2 0x80
#define METER_REPORT_PROPERTIES2_SIZE_MASK_V2 0x07
#define METER_REPORT_PROPERTIES2_SCALE_MASK_V2 0x18
#define METER_REPORT_PROPERTIES2_SCALE_SHIFT_V2 0x03
#define METER_REPORT_PROPERTIES2_PRECISION_MASK_V2 0xE0
#define METER_REPORT_PROPERTIES2_PRECISION_SHIFT_V2 0x05
/* Values used for Meter Supported Report command */
#define METER_SUPPORTED_REPORT_PROPERTIES1_METER_TYPE_MASK_V2 0x1F
#define METER_SUPPORTED_REPORT_PROPERTIES1_RESERVED1_MASK_V2 0x60
#define METER_SUPPORTED_REPORT_PROPERTIES1_RESERVED1_SHIFT_V2 0x05
#define METER_SUPPORTED_REPORT_PROPERTIES1_METER_RESET_BIT_MASK_V2 0x80
#define METER_SUPPORTED_REPORT_PROPERTIES2_SCALE_SUPPORTED_MASK_V2 0x0F
#define METER_SUPPORTED_REPORT_PROPERTIES2_RESERVED2_MASK_V2 0xF0
#define METER_SUPPORTED_REPORT_PROPERTIES2_RESERVED2_SHIFT_V2 0x04

/* Meter command class commands */
#define METER_VERSION_V3 0x03
#define METER_GET_V3 0x01
#define METER_REPORT_V3 0x02
#define METER_RESET_V3 0x05
#define METER_SUPPORTED_GET_V3 0x03

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#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 0x38
#define METER_GET_PROPERTIES1_SCALE_SHIFT_V3 0x03
#define METER_GET_PROPERTIES1_RESERVED2_MASK_V3 0xC0
#define METER_GET_PROPERTIES1_RESERVED2_SHIFT_V3 0x06
/* Values used for Meter Report command */
#define METER_REPORT_PROPERTIES1_METER_TYPE_MASK_V3 0x1F
#define METER_REPORT_PROPERTIES1_RATE_TYPE_MASK_V3 0x60
#define METER_REPORT_PROPERTIES1_RATE_TYPE_SHIFT_V3 0x05
#define METER_REPORT_PROPERTIES1_SCALE_BIT_2_BIT_MASK_V3 0x80
#define METER_REPORT_PROPERTIES2_SIZE_MASK_V3 0x07
#define METER_REPORT_PROPERTIES2_SCALE_BITS_10_MASK_V3 0x18
#define METER_REPORT_PROPERTIES2_SCALE_BITS_10_SHIFT_V3 0x03
#define METER_REPORT_PROPERTIES2_PRECISION_MASK_V3 0xE0
#define METER_REPORT_PROPERTIES2_PRECISION_SHIFT_V3 0x05
/* Values used for Meter Supported Report command */
#define METER_SUPPORTED_REPORT_PROPERTIES1_METER_TYPE_MASK_V3 0x1F
#define METER_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V3 0x60
#define METER_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V3 0x05
#define METER_SUPPORTED_REPORT_PROPERTIES1_METER_RESET_BIT_MASK_V3 0x80

/* Meter command class commands */
#define METER_VERSION_V4 0x04
#define METER_GET_V4 0x01
#define METER_REPORT_V4 0x02
#define METER_RESET_V4 0x05
#define METER_SUPPORTED_GET_V4 0x03
#define METER_SUPPORTED_REPORT_V4 0x04
/* Values used for Meter Get command */
#define METER_GET_PROPERTIES1_RESERVED_MASK_V4 0x07
#define METER_GET_PROPERTIES1_SCALE_MASK_V4 0x38
#define METER_GET_PROPERTIES1_SCALE_SHIFT_V4 0x03
#define METER_GET_PROPERTIES1_RATE_TYPE_MASK_V4 0xC0
#define METER_GET_PROPERTIES1_RATE_TYPE_SHIFT_V4 0x06
#define METER_GET_RATE_TYPE_RESERVED_V4 0x00
#define METER_GET_RATE_TYPE_IMPORT_V4 0x01
#define METER_GET_RATE_TYPE_EXPORT_V4 0x02
#define METER_GET_RATE_TYPE_NOT_TO_BE_USED_V4 0x03
/* Values used for Meter Report command */
#define METER_REPORT_PROPERTIES1_METER_TYPE_MASK_V4 0x1F
#define METER_REPORT_METER_TYPE_RESERVED_V4 0x00
#define METER_REPORT_METER_TYPE_ELECTRIC_METER_V4 0x01
#define METER_REPORT_METER_TYPE_GAS_METER_V4 0x02
#define METER_REPORT_METER_TYPE_WATER_METER_V4 0x03
#define METER_REPORT_PROPERTIES1_RATE_TYPE_MASK_V4 0x60
#define METER_REPORT_PROPERTIES1_RATE_TYPE_SHIFT_V4 0x05
#define METER_REPORT_RATE_TYPE_RESERVED_V4 0x00
#define METER_REPORT_RATE_TYPE_IMPORT_V4 0x01
#define METER_REPORT_RATE_TYPE_EXPORT_V4 0x02
#define METER_REPORT_RATE_TYPE_NOT_TO_BE_USED_V4 0x03
#define METER_REPORT_PROPERTIES1_SCALE_BIT_2_BIT_MASK_V4 0x80
#define METER_REPORT_PROPERTIES2_SIZE_MASK_V4 0x07
#define METER_REPORT_PROPERTIES2_SCALE_BITS_10_MASK_V4 0x18
#define METER_REPORT_PROPERTIES2_SCALE_BITS_10_SHIFT_V4 0x03
#define METER_REPORT_PROPERTIES2_PRECISION_MASK_V4 0xE0
#define METER_REPORT_PROPERTIES2_PRECISION_SHIFT_V4 0x05
/* Values used for Meter Supported Report command */
#define METER_SUPPORTED_REPORT_PROPERTIES1_METER_TYPE_MASK_V4 0x1F
#define METER_SUPPORTED_REPORT_METER_TYPE_RESERVED_V4 0x00
#define METER_SUPPORTED_REPORT_METER_TYPE_ELECTRIC_METER_V4 0x01
#define METER_SUPPORTED_REPORT_METER_TYPE_GAS_METER_V4 0x02
#define METER_SUPPORTED_REPORT_METER_TYPE_WATER_METER_V4 0x03
#define METER_SUPPORTED_REPORT_PROPERTIES1_RATE_TYPE_MASK_V4 0x60
#define METER_SUPPORTED_REPORT_PROPERTIES1_RATE_TYPE_SHIFT_V4 0x05
#define METER_SUPPORTED_REPORT_RATE_TYPE_RESERVED_V4 0x00
#define METER_SUPPORTED_REPORT_RATE_TYPE_IMPORT_ONLY_V4 0x01
#define METER_SUPPORTED_REPORT_RATE_TYPE_EXPORT_ONLY_V4 0x02
#define METER_SUPPORTED_REPORT_RATE_TYPE_IMPORT_AND_EXPORT_V4 0x03
#define METER_SUPPORTED_REPORT_PROPERTIES1_METER_RESET_BIT_MASK_V4 0x80
#define METER_SUPPORTED_REPORT_PROPERTIES2_SCALE_SUPPORTED_0_MASK_V4 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 0x02
#define MOVE_TO_POSITION_REPORT 0x03
#define MOVE_TO_POSITION_SET 0x01

/* Multi Channel Association command class commands */
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#define MULTI_CHANNEL_ASSOCIATION_VERSION_V2 0x02
#define MULTI_CHANNEL_ASSOCIATION_GET_V2 0x02
#define MULTI_CHANNEL_ASSOCIATION_GROUPINGS_GET_V2 0x05
#define MULTI_CHANNEL_ASSOCIATION_GROUPINGS_REPORT_V2 0x06
#define MULTI_CHANNEL_ASSOCIATION_REMOVE_V2 0x04
#define MULTI_CHANNEL_ASSOCIATION_REPORT_V2 0x03
#define MULTI_CHANNEL_ASSOCIATION_SET_V2 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 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_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 0x03
#define MULTI_CHANNEL_ASSOCIATION_GET_V3 0x02
#define MULTI_CHANNEL_ASSOCIATION_GROUPINGS_GET_V3 0x05
#define MULTI_CHANNEL_ASSOCIATION_GROUPINGS_REPORT_V3 0x06
#define MULTI_CHANNEL_ASSOCIATION_REMOVE_V3 0x04
#define MULTI_CHANNEL_ASSOCIATION_REPORT_V3 0x03
#define MULTI_CHANNEL_ASSOCIATION_SET_V3 0x01
/* Values used for Multi Channel Association Remove command */
#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.*/
/* Values used for Multi Channel Association Report command */
#define MULTI_CHANNEL_ASSOCIATION_REPORT_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.*/
/* 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 0x02
#define MULTI_CHANNEL_CAPABILITY_GET_V2 0x09
#define MULTI_CHANNEL_CAPABILITY_REPORT_V2 0x0A
#define MULTI_CHANNEL_CMD_ENCAP_V2 0x0D
#define MULTI_CHANNEL_END_POINT_FIND_V2 0x0B
#define MULTI_CHANNEL_END_POINT_FIND_REPORT_V2 0x0C
#define MULTI_CHANNEL_END_POINT_GET_V2 0x07
#define MULTI_CHANNEL_END_POINT_REPORT_V2 0x08
#define MULTI_INSTANCE_CMD_ENCAP_V2 0x06
#define MULTI_INSTANCE_GET_V2 0x04
#define MULTI_INSTANCE_REPORT_V2 0x05
/* Values used for Multi Channel Capability Get command */
#define MULTI_CHANNEL_CAPABILITY_GET_PROPERTIES1_END_POINT_MASK_V2 0x7F
#define MULTI_CHANNEL_CAPABILITY_GET_PROPERTIES1_RES_BIT_MASK_V2 0x80
/* Values used for Multi Channel Capability Report command */
#define MULTI_CHANNEL_CAPABILITY_REPORT_PROPERTIES1_END_POINT_MASK_V2 0x7F
#define MULTI_CHANNEL_CAPABILITY_REPORT_PROPERTIES1_DYNAMIC_BIT_MASK_V2 0x80
/* Values used for Multi Channel Cmd Encap command */
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES1_SOURCE_END_POINT_MASK_V2 0x7F
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES1_RES_BIT_MASK_V2 0x80
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES2_DESTINATION_END_POINT_MASK_V2 0x7F
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES2_BIT_ADDRESS_BIT_MASK_V2 0x80
/* Values used for Multi Channel End Point Report command */
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_RES1_MASK_V2 0x3F
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_IDENTICAL_BIT_MASK_V2 0x40
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_DYNAMIC_BIT_MASK_V2 0x80
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES2_END_POINTS_MASK_V2 0x7F
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES2_RES2_BIT_MASK_V2 0x80
/* Values used for Multi Instance Cmd Encap command */
#define MULTI_INSTANCE_CMD_ENCAP_PROPERTIES1_INSTANCE_MASK_V2 0x7F
#define MULTI_INSTANCE_CMD_ENCAP_PROPERTIES1_RES_BIT_MASK_V2 0x80
/* Values used for Multi Instance Report command */
#define MULTI_INSTANCE_REPORT_PROPERTIES1_INSTANCES_MASK_V2 0x7F
#define MULTI_INSTANCE_REPORT_PROPERTIES1_RES_BIT_MASK_V2 0x80

/* Multi Channel command class commands */
#define MULTI_CHANNEL_VERSION_V3 0x03
#define MULTI_CHANNEL_CAPABILITY_GET_V3 0x09
#define MULTI_CHANNEL_CAPABILITY_REPORT_V3 0x0A

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#define MULTI_CHANNEL_CMD_ENCAP_V3 0x0D
#define MULTI_CHANNEL_END_POINT_FIND_V3 0x0B
#define MULTI_CHANNEL_END_POINT_FIND_REPORT_V3 0x0C
#define MULTI_CHANNEL_END_POINT_GET_V3 0x07
#define MULTI_CHANNEL_END_POINT_REPORT_V3 0x08
#define MULTI_INSTANCE_CMD_ENCAP_V3 0x06
#define MULTI_INSTANCE_GET_V3 0x04
#define MULTI_INSTANCE_REPORT_V3 0x05
/* Values used for Multi Channel Capability Get command */
#define MULTI_CHANNEL_CAPABILITY_GET_PROPERTIES1_END_POINT_MASK_V3 0x7F
#define MULTI_CHANNEL_CAPABILITY_GET_PROPERTIES1_RES_BIT_MASK_V3 0x80
/* Values used for Multi Channel Capability Report command */
#define MULTI_CHANNEL_CAPABILITY_REPORT_PROPERTIES1_END_POINT_MASK_V3 0x7F
#define MULTI_CHANNEL_CAPABILITY_REPORT_PROPERTIES1_DYNAMIC_BIT_MASK_V3 0x80
/* Values used for Multi Channel Cmd Encap command */
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES1_SOURCE_END_POINT_MASK_V3 0x7F
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES1_RES_BIT_MASK_V3 0x80
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES2_DESTINATION_END_POINT_MASK_V3 0x7F
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES2_BIT_ADDRESS_BIT_MASK_V3 0x80
/* Values used for Multi Channel End Point Report command */
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_RES1_MASK_V3 0x3F
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_IDENTICAL_BIT_MASK_V3 0x40
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_DYNAMIC_BIT_MASK_V3 0x80
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES2_END_POINTS_MASK_V3 0x7F
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES2_RES2_BIT_MASK_V3 0x80
/* Values used for Multi Instance Cmd Encap command */
#define MULTI_INSTANCE_CMD_ENCAP_PROPERTIES1_INSTANCE_MASK_V3 0x7F
#define MULTI_INSTANCE_CMD_ENCAP_PROPERTIES1_RES_BIT_MASK_V3 0x80
/* Values used for Multi Instance Report command */
#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 0x04
#define MULTI_CHANNEL_CAPABILITY_GET_V4 0x09
#define MULTI_CHANNEL_CAPABILITY_REPORT_V4 0x0A
#define MULTI_CHANNEL_CMD_ENCAP_V4 0x0D
#define MULTI_CHANNEL_END_POINT_FIND_V4 0x0B
#define MULTI_CHANNEL_END_POINT_FIND_REPORT_V4 0x0C
#define MULTI_CHANNEL_END_POINT_GET_V4 0x07
#define MULTI_CHANNEL_END_POINT_REPORT_V4 0x08
#define MULTI_INSTANCE_CMD_ENCAP_V4 0x06
#define MULTI_INSTANCE_GET_V4 0x04
#define MULTI_INSTANCE_REPORT_V4 0x05
#define MULTI_CHANNEL_AGGREGATED_MEMBERS_GET_V4 0x0E
#define MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_V4 0x0F
/* Values used for Multi Channel Capability Get command */
#define MULTI_CHANNEL_CAPABILITY_GET_PROPERTIES1_END_POINT_MASK_V4 0x7F
#define MULTI_CHANNEL_CAPABILITY_GET_PROPERTIES1_RES_BIT_MASK_V4 0x80
/* Values used for Multi Channel Capability Report command */
#define MULTI_CHANNEL_CAPABILITY_REPORT_PROPERTIES1_END_POINT_MASK_V4 0x7F
#define MULTI_CHANNEL_CAPABILITY_REPORT_PROPERTIES1_DYNAMIC_BIT_MASK_V4 0x80
/* Values used for Multi Channel Cmd Encap command */
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES1_SOURCE_END_POINT_MASK_V4 0x7F
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES1_RES_BIT_MASK_V4 0x80
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES2_DESTINATION_END_POINT_MASK_V4 0x7F
#define MULTI_CHANNEL_CMD_ENCAP_PROPERTIES2_BIT_ADDRESS_BIT_MASK_V4 0x80
/* Values used for Multi Channel End Point Report command */
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_RES1_MASK_V4 0x3F
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_IDENTICAL_BIT_MASK_V4 0x40
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES1_DYNAMIC_BIT_MASK_V4 0x80
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES2_INDIVIDUAL_END_POINTS_MASK_V4 0x7F
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES2_RES2_BIT_MASK_V4 0x80
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES3_AGGREGATED_END_POINTS_MASK_V4 0x7F
#define MULTI_CHANNEL_END_POINT_REPORT_PROPERTIES3_RES3_BIT_MASK_V4 0x80
/* Values used for Multi Instance Cmd Encap command */
#define MULTI_INSTANCE_CMD_ENCAP_PROPERTIES1_INSTANCE_MASK_V4 0x7F
#define MULTI_INSTANCE_CMD_ENCAP_PROPERTIES1_RES_BIT_MASK_V4 0x80
/* Values used for Multi Instance Report command */
#define MULTI_INSTANCE_REPORT_PROPERTIES1_INSTANCES_MASK_V4 0x7F
#define MULTI_INSTANCE_REPORT_PROPERTIES1_RES_BIT_MASK_V4 0x80
/* Values used for Multi Channel Aggregated Members Get command */
#define MULTI_CHANNEL_AGGREGATED_MEMBERS_GET_PROPERTIES1_AGGREGATED_END_POINT_MASK_V4 0x7F
#define MULTI_CHANNEL_AGGREGATED_MEMBERS_GET_PROPERTIES1_RES_BIT_MASK_V4 0x80
/* Values used for Multi Channel Aggregated Members Report command */
#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 0x01
#define MULTI_CMD_ENCAP 0x01
```

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/* Multi Instance Association command class commands */
#define MULTI_INSTANCE_ASSOCIATION_VERSION 0x01
#define MULTI_INSTANCE_ASSOCIATION_GET 0x02
#define MULTI_INSTANCE_ASSOCIATION_GROUPINGS_GET 0x05
#define MULTI_INSTANCE_ASSOCIATION_GROUPINGS_REPORT 0x06
#define MULTI_INSTANCE_ASSOCIATION_REMOVE 0x04
#define MULTI_INSTANCE_ASSOCIATION_REPORT 0x03
#define MULTI_INSTANCE_ASSOCIATION_SET 0x01
/* 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 0x01
#define MULTI_INSTANCE_CMD_ENCAP 0x06
#define MULTI_INSTANCE_GET 0x04
#define MULTI_INSTANCE_REPORT 0x05

/* Network Management Proxy command class commands */
#define NETWORK_MANAGEMENT_PROXY_VERSION 0x01
#define NODE_INFO_CACHED_GET 0x03
#define NODE_INFO_CACHED_REPORT 0x04
#define NODE_LIST_GET 0x01
#define NODE_LIST_REPORT 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_SHIFT 0x04
/* Values used for Node Info Cached Report command */
#define NODE_INFO_CACHED_REPORT_PROPERTIES1_AGE_MASK 0x0F
#define NODE_INFO_CACHED_REPORT_PROPERTIES1_STATUS_MASK 0xF0
#define NODE_INFO_CACHED_REPORT_PROPERTIES1_STATUS_SHIFT 0x04
#define NODE_INFO_CACHED_REPORT_STATUS_STATUS_OK 0x00
#define NODE_INFO_CACHED_REPORT_STATUS_STATUS_NOT_RESPONDING 0x01
#define NODE_INFO_CACHED_REPORT_STATUS_STATUS_UNKNOWN 0x02
#define NODE_INFO_CACHED_REPORT_PROPERTIES2_CAPABILITY_MASK 0x7F
#define NODE_INFO_CACHED_REPORT_PROPERTIES2_LISTENING_BIT_MASK 0x80
#define NODE_INFO_CACHED_REPORT_PROPERTIES3_SECURITY_MASK 0x0F
#define NODE_INFO_CACHED_REPORT_PROPERTIES3_SENSOR_MASK 0x70
#define NODE_INFO_CACHED_REPORT_PROPERTIES3_SENSOR_SHIFT 0x04
#define NODE_INFO_CACHED_REPORT_PROPERTIES3_OPT_BIT_MASK 0x80
#define NODE_INFO_CACHED_REPORT_SECURITY_SCHEME_0_MARK 0xF100

/* Network Management Proxy command class commands */
#define NETWORK_MANAGEMENT_PROXY_VERSION_V2 0x02
#define NODE_INFO_CACHED_GET_V2 0x03
#define NODE_INFO_CACHED_REPORT_V2 0x04
#define NODE_LIST_GET_V2 0x01
#define NODE_LIST_REPORT_V2 0x02
/* Values used for Node Info Cached Get command */
#define NODE_INFO_CACHED_GET_PROPERTIES1_MAX_AGE_MASK_V2 0x0F
#define NODE_INFO_CACHED_GET_PROPERTIES1_RESERVED_MASK_V2 0xF0
#define NODE_INFO_CACHED_GET_PROPERTIES1_RESERVED_SHIFT_V2 0x04
/* Values used for Node Info Cached Report command */
#define NODE_INFO_CACHED_REPORT_PROPERTIES1_AGE_MASK_V2 0x0F
#define NODE_INFO_CACHED_REPORT_PROPERTIES1_STATUS_MASK_V2 0xF0
#define NODE_INFO_CACHED_REPORT_PROPERTIES1_STATUS_SHIFT_V2 0x04
#define NODE_INFO_CACHED_REPORT_STATUS_STATUS_OK_V2 0x00
#define NODE_INFO_CACHED_REPORT_STATUS_STATUS_NOT_RESPONDING_V2 0x01
#define NODE_INFO_CACHED_REPORT_STATUS_STATUS_UNKNOWN_V2 0x02
#define NODE_INFO_CACHED_REPORT_PROPERTIES2_CAPABILITY_MASK_V2 0x7F
#define NODE_INFO_CACHED_REPORT_PROPERTIES2_LISTENING_BIT_MASK_V2 0x80
#define NODE_INFO_CACHED_REPORT_PROPERTIES3_SECURITY_MASK_V2 0x0F
#define NODE_INFO_CACHED_REPORT_PROPERTIES3_SENSOR_MASK_V2 0x70
#define NODE_INFO_CACHED_REPORT_PROPERTIES3_SENSOR_SHIFT_V2 0x04
#define NODE_INFO_CACHED_REPORT_PROPERTIES3_OPT_BIT_MASK_V2 0x80
#define NODE_INFO_CACHED_REPORT_SECURITY_MARK_V2 0xF100

/* Network Management Basic command class commands */
#define NETWORK_MANAGEMENT_BASIC_VERSION 0x01
#define LEARN_MODE_SET 0x01

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#define LEARN_MODE_SET_STATUS 0x02
#define NODE_INFORMATION_SEND 0x05
#define NETWORK_UPDATE_REQUEST 0x03
#define NETWORK_UPDATE_REQUEST_STATUS 0x04
#define DEFAULT_SET 0x06
#define DEFAULT_SET_COMPLETE 0x07

/* Network Management Basic command class commands */
#define NETWORK_MANAGEMENT_BASIC_VERSION_V2 0x02
#define LEARN_MODE_SET_V2 0x01
#define LEARN_MODE_SET_STATUS_V2 0x02
#define NODE_INFORMATION_SEND_V2 0x05
#define NETWORK_UPDATE_REQUEST_V2 0x03
#define NETWORK_UPDATE_REQUEST_STATUS_V2 0x04
#define DEFAULT_SET_V2 0x06
#define DEFAULT_SET_COMPLETE_V2 0x07
#define DSK_GET_V2 0x08
#define DSK_REPORT_V2 0x09

/* Network Management Inclusion command class commands */
#define NETWORK_MANAGEMENT_INCLUSION_VERSION 0x01
#define FAILED_NODE_REMOVE 0x07
#define FAILED_NODE_REMOVE_STATUS 0x08
#define NODE_ADD 0x01
#define NODE_ADD_STATUS 0x02
#define NODE_REMOVE 0x03
#define NODE_REMOVE_STATUS 0x04
#define FAILED_NODE_REPLACE 0x09
#define FAILED_NODE_REPLACE_STATUS 0x0A
#define NODE_NEIGHBOR_UPDATE_REQUEST 0x0B
#define NODE_NEIGHBOR_UPDATE_STATUS 0x0C
#define RETURN_ROUTE_ASSIGN 0x0D
#define RETURN_ROUTE_ASSIGN_COMPLETE 0x0E
#define RETURN_ROUTE_DELETE 0x0F
#define RETURN_ROUTE_DELETE_COMPLETE 0x10
/* Values used for Node Add Status command */
#define NODE_ADD_STATUS_PROPERTIES1_CAPABILITY_MASK 0x7F
#define NODE_ADD_STATUS_PROPERTIES1_LISTENING_BIT_MASK 0x80
#define NODE_ADD_STATUS_PROPERTIES2_SECURITY_MASK 0x7F
#define NODE_ADD_STATUS_PROPERTIES2_OPT_BIT_MASK 0x80

/* Network Management Inclusion command class commands */
#define NETWORK_MANAGEMENT_INCLUSION_VERSION_V2 0x02
#define FAILED_NODE_REMOVE_V2 0x07
#define FAILED_NODE_REMOVE_STATUS_V2 0x08
#define NODE_ADD_V2 0x01
#define NODE_ADD_STATUS_V2 0x02
#define NODE_REMOVE_V2 0x03
#define NODE_REMOVE_STATUS_V2 0x04
#define FAILED_NODE_REPLACE_V2 0x09
#define FAILED_NODE_REPLACE_STATUS_V2 0x0A
#define NODE_NEIGHBOR_UPDATE_REQUEST_V2 0x0B
#define NODE_NEIGHBOR_UPDATE_STATUS_V2 0x0C
#define RETURN_ROUTE_ASSIGN_V2 0x0D
#define RETURN_ROUTE_ASSIGN_COMPLETE_V2 0x0E
#define RETURN_ROUTE_DELETE_V2 0x0F
#define RETURN_ROUTE_DELETE_COMPLETE_V2 0x10
#define NODE_ADD_KEYS_REPORT_V2 0x11
#define NODE_ADD_KEYS_SET_V2 0x12
#define NODE_ADD_DSK_REPORT_V2 0x13
#define NODE_ADD_DSK_SET_V2 0x14
/* Values used for Node Add Status command */
#define NODE_ADD_STATUS_PROPERTIES1_CAPABILITY_MASK_V2 0x7F
#define NODE_ADD_STATUS_PROPERTIES1_LISTENING_BIT_MASK_V2 0x80
#define NODE_ADD_STATUS_PROPERTIES2_SECURITY_MASK_V2 0x7F
#define NODE_ADD_STATUS_PROPERTIES2_OPT_BIT_MASK_V2 0x80
#define NODE_ADD_STATUS_SECURITY_MARK_V2 0xF100
/* Values used for Node Add Keys Report command */
#define NODE_ADD_KEYS_REPORT_PROPERTIES1_REQUEST_CLIENT_SIDE_AUTHENTICATION_BIT_MASK_V2 0x01
#define NODE_ADD_KEYS_REPORT_PROPERTIES1_RESERVED_MASK_V2 0xFE
#define NODE_ADD_KEYS_REPORT_PROPERTIES1_RESERVED_SHIFT_V2 0x01
/* Values used for Node Add Keys Set command */
#define NODE_ADD_KEYS_SET_PROPERTIES1_ACCEPT_BIT_MASK_V2 0x01
#define NODE_ADD_KEYS_SET_PROPERTIES1_GRANT_CLIENT_SIDE_AUTHENTICATION_BIT_MASK_V2 0x02
#define NODE_ADD_KEYS_SET_PROPERTIES1_RESERVED_MASK_V2 0xFC
#define NODE_ADD_KEYS_SET_PROPERTIES1_RESERVED_SHIFT_V2 0x02
/* Values used for Node Add Dsk Report command */
#define NODE_ADD_DSK_REPORT_PROPERTIES1_INPUT_DSK_LENGTH_MASK_V2 0x0F
#define NODE_ADD_DSK_REPORT_PROPERTIES1_RESERVED_MASK_V2 0xF0
#define NODE_ADD_DSK_REPORT_PROPERTIES1_RESERVED_SHIFT_V2 0x04
/* Values used for Node Add Dsk Set command */

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#define NODE_ADD_DSK_SET_PROPERTIES1_INPUT_DSK_LENGTH_MASK_V2 0x0F
#define NODE_ADD_DSK_SET_PROPERTIES1_RESERVED_MASK_V2 0x70
#define NODE_ADD_DSK_SET_PROPERTIES1_RESERVED_SHIFT_V2 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 0x01
#define NODE_NAMING_NODE_LOCATION_REPORT 0x06
#define NODE_NAMING_NODE_LOCATION_SET 0x04
#define NODE_NAMING_NODE_LOCATION_GET 0x05
#define NODE_NAMING_NODE_NAME_GET 0x02
#define NODE_NAMING_NODE_NAME_REPORT 0x03
#define NODE_NAMING_NODE_NAME_SET 0x01
/* Values used for Node Naming Node Location Report command */
#define NODE_NAMING_NODE_LOCATION_REPORT_LEVEL_CHAR_PRESENTATION_MASK 0x07
#define NODE_NAMING_NODE_LOCATION_REPORT_LEVEL_RESERVED_MASK 0xF8
#define NODE_NAMING_NODE_LOCATION_REPORT_LEVEL_RESERVED_SHIFT 0x03
/* Values used for Node Naming Node Location Set command */
#define NODE_NAMING_NODE_LOCATION_SET_LEVEL_CHAR_PRESENTATION_MASK 0x07
#define NODE_NAMING_NODE_LOCATION_SET_LEVEL_RESERVED_MASK 0xF8
#define NODE_NAMING_NODE_LOCATION_SET_LEVEL_RESERVED_SHIFT 0x03
/* Values used for Node Naming Node Name Report command */
#define NODE_NAMING_NODE_NAME_REPORT_LEVEL_CHAR_PRESENTATION_MASK 0x07
#define NODE_NAMING_NODE_NAME_REPORT_LEVEL_RESERVED_MASK 0xF8
#define NODE_NAMING_NODE_NAME_REPORT_LEVEL_RESERVED_SHIFT 0x03
/* Values used for Node Naming Node Name Set command */
#define NODE_NAMING_NODE_NAME_SET_LEVEL_CHAR_PRESENTATION_MASK 0x07
#define NODE_NAMING_NODE_NAME_SET_LEVEL_RESERVED_MASK 0xF8
#define NODE_NAMING_NODE_NAME_SET_LEVEL_RESERVED_SHIFT 0x03

/* Non Interoperable command class commands */
#define NON_INTEROPERABLE_VERSION 0x01

/* Powerlevel command class commands */
#define POWERLEVEL_VERSION 0x01
#define POWERLEVEL_GET 0x02
#define POWERLEVEL_REPORT 0x03
#define POWERLEVEL_SET 0x01
#define POWERLEVEL_TEST_NODE_GET 0x05
#define POWERLEVEL_TEST_NODE_REPORT 0x06
#define POWERLEVEL_TEST_NODE_SET 0x04
/* Values used for Powerlevel Report command */
#define POWERLEVEL_REPORT_NORMALPOWER 0x00
#define POWERLEVEL_REPORT_MINUS1DBM 0x01
#define POWERLEVEL_REPORT_MINUS2DBM 0x02
#define POWERLEVEL_REPORT_MINUS3DBM 0x03
#define POWERLEVEL_REPORT_MINUS4DBM 0x04
#define POWERLEVEL_REPORT_MINUS5DBM 0x05
#define POWERLEVEL_REPORT_MINUS6DBM 0x06
#define POWERLEVEL_REPORT_MINUS7DBM 0x07
#define POWERLEVEL_REPORT_MINUS8DBM 0x08
#define POWERLEVEL_REPORT_MINUS9DBM 0x09
/* Values used for Powerlevel Set command */
#define POWERLEVEL_SET_NORMALPOWER 0x00
#define POWERLEVEL_SET_MINUS1DBM 0x01
#define POWERLEVEL_SET_MINUS2DBM 0x02
#define POWERLEVEL_SET_MINUS3DBM 0x03
#define POWERLEVEL_SET_MINUS4DBM 0x04
#define POWERLEVEL_SET_MINUS5DBM 0x05
#define POWERLEVEL_SET_MINUS6DBM 0x06
#define POWERLEVEL_SET_MINUS7DBM 0x07
#define POWERLEVEL_SET_MINUS8DBM 0x08
#define POWERLEVEL_SET_MINUS9DBM 0x09
/* Values used for Powerlevel Test Node Report command */
#define POWERLEVEL_TEST_NODE_REPORT_ZW_TEST_NOT_A_NODEID 0x00
#define POWERLEVEL_TEST_NODE_REPORT_ZW_TEST_FAILED 0x00
#define POWERLEVEL_TEST_NODE_REPORT_ZW_TEST_SUCCESS 0x01
#define POWERLEVEL_TEST_NODE_REPORT_ZW_TEST_INPROGRESS 0x02
/* Values used for Powerlevel Test Node Set command */
#define POWERLEVEL_TEST_NODE_SET_NORMALPOWER 0x00
#define POWERLEVEL_TEST_NODE_SET_MINUS1DBM 0x01
#define POWERLEVEL_TEST_NODE_SET_MINUS2DBM 0x02
#define POWERLEVEL_TEST_NODE_SET_MINUS3DBM 0x03
#define POWERLEVEL_TEST_NODE_SET_MINUS4DBM 0x04
#define POWERLEVEL_TEST_NODE_SET_MINUS5DBM 0x05
#define POWERLEVEL_TEST_NODE_SET_MINUS6DBM 0x06
#define POWERLEVEL_TEST_NODE_SET_MINUS7DBM 0x07
#define POWERLEVEL_TEST_NODE_SET_MINUS8DBM 0x08
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#define POWERLEVEL_TEST_NODE_SET_MINUS9DBM 0x09

/* Prepayment Encapsulation command class commands */
#define PREPAYMENT_ENCAPSULATION_VERSION 0x01
#define CMD_ENCAPSULATION 0x01

/* Prepayment command class commands */
#define PREPAYMENT_VERSION 0x01
#define PREPAYMENT_BALANCE_GET 0x01
#define PREPAYMENT_BALANCE_REPORT 0x02
#define PREPAYMENT_SUPPORTED_GET 0x03
#define PREPAYMENT_SUPPORTED_REPORT 0x04
/* Values used for Prepayment Balance Get command */
#define PREPAYMENT_BALANCE_GET_PROPERTIES1_RESERVED_MASK 0x3F
#define PREPAYMENT_BALANCE_GET_PROPERTIES1_BALANCE_TYPE_MASK 0xC0
#define PREPAYMENT_BALANCE_GET_PROPERTIES1_BALANCE_TYPE_SHIFT 0x06
#define PREPAYMENT_BALANCE_GET_BALANCE_TYPE_UTILITY 0x00
#define PREPAYMENT_BALANCE_GET_BALANCE_TYPE_MONETARY 0x01
/* Values used for Prepayment Balance Report command */
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES1_METER_TYPE_MASK 0x3F
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES1_BALANCE_TYPE_MASK 0xC0
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES1_BALANCE_TYPE_SHIFT 0x06
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES2_SCALE_MASK 0x1F
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES2_BALANCE_PRECISION_MASK 0xE0
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES2_BALANCE_PRECISION_SHIFT 0x05
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES3_RESERVED1_MASK 0x1F
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES3_DEBT_PRECISION_MASK 0xE0
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES3_DEBT_PRECISION_SHIFT 0x05
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES4_RESERVED2_MASK 0x1F
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES4_EMER_CREDIT_PRECISION_MASK 0xE0
#define PREPAYMENT_BALANCE_REPORT_PROPERTIES4_EMER_CREDIT_PRECISION_SHIFT 0x05
/* Values used for Prepayment Supported Report command */
#define PREPAYMENT_SUPPORTED_REPORT_PROPERTIES1_TYPES_SUPPORTED_MASK 0x0F
#define PREPAYMENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK 0xF0
#define PREPAYMENT_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT 0x04

/* Proprietary command class commands */
#define PROPRIETARY_VERSION 0x01
#define PROPRIETARY_GET 0x02
#define PROPRIETARY_REPORT 0x03
#define PROPRIETARY_SET 0x01

/* Protection command class commands */
#define PROTECTION_VERSION 0x01
#define PROTECTION_GET 0x02
#define PROTECTION_REPORT 0x03
#define PROTECTION_SET 0x01
/* Values used for Protection Report command */
#define PROTECTION_REPORT_UNPROTECTED 0x00
#define PROTECTION_REPORT_PROTECTION_BY_SEQUENCE 0x01
#define PROTECTION_REPORT_NO_OPERATION_POSSIBLE 0x02
/* Values used for Protection Set command */
#define PROTECTION_SET_UNPROTECTED 0x00
#define PROTECTION_SET_PROTECTION_BY_SEQUENCE 0x01
#define PROTECTION_SET_NO_OPERATION_POSSIBLE 0x02

/* Protection command class commands */
#define PROTECTION_VERSION_V2 0x02
#define PROTECTION_EC_GET_V2 0x07
#define PROTECTION_EC_REPORT_V2 0x08
#define PROTECTION_EC_SET_V2 0x06
#define PROTECTION_GET_V2 0x02
#define PROTECTION_REPORT_V2 0x03
#define PROTECTION_SET_V2 0x01
#define PROTECTION_SUPPORTED_GET_V2 0x04
#define PROTECTION_SUPPORTED_REPORT_V2 0x05
#define PROTECTION_TIMEOUT_GET_V2 0x0A
#define PROTECTION_TIMEOUT_REPORT_V2 0x0B
#define PROTECTION_TIMEOUT_SET_V2 0x09
/* Values used for Protection Report command */
#define PROTECTION_REPORT_LEVEL_LOCAL_PROTECTION_STATE_MASK_V2 0x0F
#define PROTECTION_REPORT_LEVEL_RESERVED1_MASK_V2 0xF0
#define PROTECTION_REPORT_LEVEL_RESERVED1_SHIFT_V2 0x04
#define PROTECTION_REPORT_LEVEL2_RF_PROTECTION_STATE_MASK_V2 0x0F
#define PROTECTION_REPORT_LEVEL2_RESERVED2_MASK_V2 0xF0
#define PROTECTION_REPORT_LEVEL2_RESERVED2_SHIFT_V2 0x04
/* Values used for Protection Set command */
#define PROTECTION_SET_LEVEL_LOCAL_PROTECTION_STATE_MASK_V2 0x0F
#define PROTECTION_SET_LEVEL_RESERVED1_MASK_V2 0xF0
#define PROTECTION_SET_LEVEL_RESERVED1_SHIFT_V2 0x04
#define PROTECTION_SET_LEVEL2_RF_PROTECTION_STATE_MASK_V2 0x0F

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#define PROTECTION_SET_LEVEL2_RESERVED2_MASK_V2 0xF0
#define PROTECTION_SET_LEVEL2_RESERVED2_SHIFT_V2 0x04
/* Values used for Protection Supported Report command */
#define PROTECTION_SUPPORTED_REPORT_LEVEL_TIMEOUT_BIT_MASK_V2 0x01
#define PROTECTION_SUPPORTED_REPORT_LEVEL_EXCLUSIVE_CONTROL_BIT_MASK_V2 0x02
#define PROTECTION_SUPPORTED_REPORT_LEVEL_RESERVED_MASK_V2 0xFC
#define PROTECTION_SUPPORTED_REPORT_LEVEL_RESERVED_SHIFT_V2 0x02

/* Rate Tbl Config command class commands */
#define RATE_TBL_CONFIG_VERSION 0x01
#define RATE_TBL_REMOVE 0x02
#define RATE_TBL_SET 0x01
/* Values used for Rate Tbl Remove command */
#define RATE_TBL_REMOVE_PROPERTIES1_RATE_PARAMETER_SET_IDS_MASK 0x3F
#define RATE_TBL_REMOVE_PROPERTIES1_RESERVED_MASK 0xC0
#define RATE_TBL_REMOVE_PROPERTIES1_RESERVED_SHIFT 0x06
/* Values used for Rate Tbl Set command */
#define RATE_TBL_SET_PROPERTIES1_NUMBER_OF_RATE_CHAR_MASK 0x1F
#define RATE_TBL_SET_PROPERTIES1_RATE_TYPE_MASK 0x60
#define RATE_TBL_SET_PROPERTIES1_RATE_TYPE_SHIFT 0x05
#define RATE_TBL_SET_PROPERTIES1_RESERVED_BIT_MASK 0x80
#define RATE_TBL_SET_PROPERTIES2_CONSUMPTION_SCALE_MASK 0x1F
#define RATE_TBL_SET_PROPERTIES2_CONSUMPTION_PRECISION_MASK 0xE0
#define RATE_TBL_SET_PROPERTIES2_CONSUMPTION_PRECISION_SHIFT 0x05
#define RATE_TBL_SET_PROPERTIES3_MAX_DEMAND_SCALE_MASK 0x1F
#define RATE_TBL_SET_PROPERTIES3_MAX_DEMAND_PRECISION_MASK 0xE0
#define RATE_TBL_SET_PROPERTIES3_MAX_DEMAND_PRECISION_SHIFT 0x05

/* 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 0x07
#define RATE_TBL_CURRENT_DATA_REPORT 0x08
#define RATE_TBL_GET 0x03
#define RATE_TBL_HISTORICAL_DATA_GET 0x09
#define RATE_TBL_HISTORICAL_DATA_REPORT 0x0A
#define RATE_TBL_REPORT 0x04
#define RATE_TBL_SUPPORTED_GET 0x01
#define RATE_TBL_SUPPORTED_REPORT 0x02
/* Values used for Rate Tbl Report command */
#define RATE_TBL_REPORT_PROPERTIES1_NUMBER_OF_RATE_CHAR_MASK 0x1F
#define RATE_TBL_REPORT_PROPERTIES1_RATE_TYPE_MASK 0x60
#define RATE_TBL_REPORT_PROPERTIES1_RATE_TYPE_SHIFT 0x05
#define RATE_TBL_REPORT_PROPERTIES1_RESERVED_BIT_MASK 0x80
#define RATE_TBL_REPORT_PROPERTIES2_CONSUMPTION_SCALE_MASK 0x1F
#define RATE_TBL_REPORT_PROPERTIES2_CONSUMPTION_PRECISION_MASK 0xE0
#define RATE_TBL_REPORT_PROPERTIES2_CONSUMPTION_PRECISION_SHIFT 0x05
#define RATE_TBL_REPORT_PROPERTIES3_MAX_DEMAND_SCALE_MASK 0x1F
#define RATE_TBL_REPORT_PROPERTIES3_MAX_DEMAND_PRECISION_MASK 0xE0
#define RATE_TBL_REPORT_PROPERTIES3_MAX_DEMAND_PRECISION_SHIFT 0x05

/* 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 0x01
#define REMOTE_ASSOCIATION_CONFIGURATION_GET 0x02
#define REMOTE_ASSOCIATION_CONFIGURATION_REPORT 0x03
#define REMOTE_ASSOCIATION_CONFIGURATION_SET 0x01

/* Scene Activation command class commands */
#define SCENE_ACTIVATION_VERSION 0x01
#define SCENE_ACTIVATION_SET 0x01

/* Scene Actuator Conf command class commands */
#define SCENE_ACTUATOR_CONF_VERSION 0x01
#define SCENE_ACTUATOR_CONF_GET 0x02
#define SCENE_ACTUATOR_CONF_REPORT 0x03
#define SCENE_ACTUATOR_CONF_SET 0x01
/* Values used for Scene Actuator Conf Set command */
#define SCENE_ACTUATOR_CONF_SET_LEVEL2_RESERVED_MASK 0x7F
#define SCENE_ACTUATOR_CONF_SET_LEVEL2_OVERRIDE_BIT_MASK 0x80

/* Scene Controller Conf command class commands */
#define SCENE_CONTROLLER_CONF_VERSION 0x01
#define SCENE_CONTROLLER_CONF_GET 0x02
#define SCENE_CONTROLLER_CONF_REPORT 0x03
#define SCENE_CONTROLLER_CONF_SET 0x01
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/* Schedule Entry Lock command class commands */
#define SCHEDULE_ENTRY_LOCK_VERSION 0x01
#define SCHEDULE_ENTRY_LOCK_ENABLE_ALL_SET 0x02
#define SCHEDULE_ENTRY_LOCK_ENABLE_SET 0x01
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET 0x04
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT 0x05
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET 0x03
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET 0x07
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT 0x08
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET 0x06
#define SCHEDULE_ENTRY_TYPE_SUPPORTED_GET 0x09
#define SCHEDULE_ENTRY_TYPE_SUPPORTED_REPORT 0x0A

/* Schedule Entry Lock command class commands */
#define SCHEDULE_ENTRY_LOCK_VERSION_V2 0x02
#define SCHEDULE_ENTRY_LOCK_ENABLE_ALL_SET_V2 0x02
#define SCHEDULE_ENTRY_LOCK_ENABLE_SET_V2 0x01
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_GET_V2 0x0B
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_V2 0x0C
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_V2 0x0D
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET_V2 0x04
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_V2 0x05
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_V2 0x03
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_V2 0x07
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_V2 0x08
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_V2 0x06
#define SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_V2 0x09
#define SCHEDULE_ENTRY_TYPE_SUPPORTED_REPORT_V2 0x0A
/* Values used for Schedule Entry Lock Time Offset Report command */
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_LEVEL_HOUR_TZO_MASK_V2 0x7F
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_LEVEL_SIGN_TZO_BIT_MASK_V2 0x80
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_LEVEL2_MINUTE_OFFSET_DST_MASK_V2 0x7F
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_LEVEL2_SIGN_OFFSET_DST_BIT_MASK_V2 0x80
/* Values used for Schedule Entry Lock Time Offset Set command */
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL_HOUR_TZO_MASK_V2 0x7F
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL_SIGN_TZO_BIT_MASK_V2 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 */
#define SCHEDULE_ENTRY_LOCK_VERSION_V3 0x03
#define SCHEDULE_ENTRY_LOCK_ENABLE_ALL_SET_V3 0x02
#define SCHEDULE_ENTRY_LOCK_ENABLE_SET_V3 0x01
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_GET_V3 0x0B
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_V3 0x0C
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_V3 0x0D
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET_V3 0x04
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_V3 0x05
#define SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_V3 0x03
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_V3 0x07
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_V3 0x08
#define SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_V3 0x06
#define SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_V3 0x09
#define SCHEDULE_ENTRY_TYPE_SUPPORTED_REPORT_V3 0x0A
#define SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_GET_V3 0x0E
#define SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_REPORT_V3 0x0F
#define SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_SET_V3 0x10
/* Values used for Schedule Entry Lock Time Offset Report command */
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_LEVEL_HOUR_TZO_MASK_V3 0x7F
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_LEVEL_SIGN_TZO_BIT_MASK_V3 0x80
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_LEVEL2_MINUTE_OFFSET_DST_MASK_V3 0x7F
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_LEVEL2_SIGN_OFFSET_DST_BIT_MASK_V3 0x80
/* Values used for Schedule Entry Lock Time Offset Set command */
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL_HOUR_TZO_MASK_V3 0x7F
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL_SIGN_TZO_BIT_MASK_V3 0x80
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL2_MINUTE_OFFSET_DST_MASK_V3 0x7F
#define SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_LEVEL2_SIGN_OFFSET_DST_BIT_MASK_V3 0x80

/* Screen Attributes command class commands */
#define SCREEN_ATTRIBUTES_VERSION 0x01
#define SCREEN_ATTRIBUTES_GET 0x01
#define SCREEN_ATTRIBUTES_REPORT 0x02
/* Values used for Screen Attributes Report command */
#define SCREEN_ATTRIBUTES_REPORT_PROPERTIES1_NUMBER_OF_LINES_MASK 0x1F
#define SCREEN_ATTRIBUTES_REPORT_PROPERTIES1_RESERVED_MASK 0xE0
#define SCREEN_ATTRIBUTES_REPORT_PROPERTIES1_RESERVED_SHIFT 0x05

/* Screen Attributes command class commands */
#define SCREEN_ATTRIBUTES_VERSION_V2 0x02
#define SCREEN_ATTRIBUTES_GET_V2 0x01
#define SCREEN_ATTRIBUTES_REPORT_V2 0x03

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/* Values used for Screen Attributes Report command */
#define SCREEN_ATTRIBUTES_REPORT_PROPERTIES1_NUMBER_OF_LINES_MASK_V2 0x1F
#define SCREEN_ATTRIBUTES_REPORT_PROPERTIES1_ESCAPE_SEQUENCE_BIT_MASK_V2 0x20
#define SCREEN_ATTRIBUTES_REPORT_PROPERTIES1_RESERVED_MASK_V2 0xC0
#define SCREEN_ATTRIBUTES_REPORT_PROPERTIES1_RESERVED_SHIFT_V2 0x06

/* Screen Md command class commands */
#define SCREEN_MD_VERSION 0x01
#define SCREEN_MD_GET 0x01
#define SCREEN_MD_REPORT 0x02

/* Values used for Screen Md Report command */
#define SCREEN_MD_REPORT_PROPERTIES1_CHAR_PRESENTATION_MASK 0x07
#define SCREEN_MD_REPORT_PROPERTIES1_SCREEN_SETTINGS_MASK 0x38
#define SCREEN_MD_REPORT_PROPERTIES1_SCREEN_SETTINGS_SHIFT 0x03
#define SCREEN_MD_REPORT_PROPERTIES1_RESERVED_BIT_MASK 0x40
#define SCREEN_MD_REPORT_PROPERTIES1_MORE_DATA_BIT_MASK 0x80

/* Screen Md command class commands */
#define SCREEN_MD_VERSION_V2 0x02
#define SCREEN_MD_GET_V2 0x01
#define SCREEN_MD_REPORT_V2 0x03

/* Values used for Screen Md Report command */
#define SCREEN_MD_REPORT_PROPERTIES1_CHAR_PRESENTATION_MASK_V2 0x07
#define SCREEN_MD_REPORT_PROPERTIES1_SCREEN_SETTINGS_MASK_V2 0x38
#define SCREEN_MD_REPORT_PROPERTIES1_SCREEN_SETTINGS_SHIFT_V2 0x03
#define SCREEN_MD_REPORT_PROPERTIES1_RESERVED1_BIT_MASK_V2 0x40
#define SCREEN_MD_REPORT_PROPERTIES1_MORE_DATA_BIT_MASK_V2 0x80
#define SCREEN_MD_REPORT_PROPERTIES2_SCREEN_TIMEOUT_BIT_MASK_V2 0x01
#define SCREEN_MD_REPORT_PROPERTIES2_RESERVED2_MASK_V2 0xFE
#define SCREEN_MD_REPORT_PROPERTIES2_RESERVED2_SHIFT_V2 0x01

/* Security Panel Mode command class commands */
#define SECURITY_PANEL_MODE_VERSION 0x01
#define SECURITY_PANEL_MODE_GET 0x03
#define SECURITY_PANEL_MODE_REPORT 0x04
#define SECURITY_PANEL_MODE_SET 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_GET 0x03
#define SECURITY_PANEL_ZONE_SENSOR_TYPE_REPORT 0x04
#define SECURITY_PANEL_ZONE_SENSOR_INSTALLED_GET 0x01
#define SECURITY_PANEL_ZONE_SENSOR_STATE_GET 0x05
#define SECURITY_PANEL_ZONE_SENSOR_STATE_REPORT 0x06

/* Security Panel Zone command class commands */
#define SECURITY_PANEL_ZONE_VERSION 0x01
#define SECURITY_PANEL_ZONE_NUMBER_SUPPORTED_GET 0x01
#define SECURITY_PANEL_ZONE_STATE_GET 0x05
#define SECURITY_PANEL_ZONE_STATE_REPORT 0x06
#define SECURITY_PANEL_ZONE_SUPPORTED_REPORT 0x02
#define SECURITY_PANEL_ZONE_TYPE_GET 0x03
#define SECURITY_PANEL_ZONE_TYPE_REPORT 0x04

/* 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 0x01
#define NETWORK_KEY_SET 0x06
#define NETWORK_KEY_VERIFY 0x07
#define SECURITY_COMMANDS_SUPPORTED_GET 0x02
#define SECURITY_COMMANDS_SUPPORTED_REPORT 0x03
#define SECURITY_MESSAGE_ENCAPSULATION 0x81
#define SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET 0xC1
#define SECURITY_NONCE_GET 0x40
#define SECURITY_NONCE_REPORT 0x80
#define SECURITY_SCHEME_GET 0x04
#define SECURITY_SCHEME_INHERIT 0x08
#define SECURITY_SCHEME_REPORT 0x05

/* 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 0x0F
#define SECURITY_MESSAGE_ENCAPSULATION_PROPERTIES1_SEQUENCED_BIT_MASK 0x10
#define SECURITY_MESSAGE_ENCAPSULATION_PROPERTIES1_SECOND_FRAME_BIT_MASK 0x20

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#define SECURITY_MESSAGE_ENCAPSULATION_PROPERTIES1_RESERVED_MASK 0xC0
#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 0x0F
#define SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_PROPERTIES1_SEQUENCED_BIT_MASK 0x10
#define SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_PROPERTIES1_SECOND_FRAME_BIT_MASK 0x20
#define SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_PROPERTIES1_RESERVED_MASK 0xC0
#define SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_PROPERTIES1_RESERVED_SHIFT 0x06

/* Sensor Alarm command class commands */
#define SENSOR_ALARM_VERSION 0x01
#define SENSOR_ALARM_GET 0x01
#define SENSOR_ALARM_REPORT 0x02
#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 0x00
#define SENSOR_BINARY_REPORT_DETECTED_AN_EVENT 0xFF

/* Sensor Binary command class commands */
#define SENSOR_BINARY_VERSION_V2 0x02
#define SENSOR_BINARY_GET_V2 0x02
#define SENSOR_BINARY_REPORT_V2 0x03
#define SENSOR_BINARY_SUPPORTED_GET_SENSOR_V2 0x01
#define SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_V2 0x04
/* Values used for Sensor Binary Report command */
#define SENSOR_BINARY_REPORT_IDLE_V2 0x00
#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 0x03
#define SENSOR_TRIGGER_LEVEL_SET 0x01
/* Values used for Sensor Trigger Level Report command */
#define SENSOR_TRIGGER_LEVEL_REPORT_PROPERTIES1_SIZE_MASK 0x07
#define SENSOR_TRIGGER_LEVEL_REPORT_PROPERTIES1_SCALE_MASK 0x18
#define SENSOR_TRIGGER_LEVEL_REPORT_PROPERTIES1_SCALE_SHIFT 0x03
#define SENSOR_TRIGGER_LEVEL_REPORT_PROPERTIES1_PRECISION_MASK 0xE0
#define SENSOR_TRIGGER_LEVEL_REPORT_PROPERTIES1_PRECISION_SHIFT 0x05
/* Values used for Sensor Trigger Level Set command */
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES1_RESERVED_MASK 0x3F
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES1_CURRENT_BIT_MASK 0x40
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES1_DEFAULT_BIT_MASK 0x80
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES1_SIZE_MASK 0x07
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES2_SCALE_MASK 0x18
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES2_SCALE_SHIFT 0x03
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES2_PRECISION_MASK 0xE0
#define SENSOR_TRIGGER_LEVEL_SET_PROPERTIES2_PRECISION_SHIFT 0x05

/* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION 0x01
#define SENSOR_MULTILEVEL_GET 0x04
#define SENSOR_MULTILEVEL_REPORT 0x05
/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1 0x01
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1 0x02
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1 0x03
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK 0x07
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK 0x18
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SHIFT 0x03
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_MASK 0xE0
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT 0x05

/* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION_V2 0x02
#define SENSOR_MULTILEVEL_GET_V2 0x04
#define SENSOR_MULTILEVEL_REPORT_V2 0x05
/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V2 0x01
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V2 0x02
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V2 0x03
#define SENSOR_MULTILEVEL_REPORT_POWER_VERSION_2_V2 0x04
#define SENSOR_MULTILEVEL_REPORT_RELATIVE_HUMIDITY_VERSION_2_V2 0x05
#define SENSOR_MULTILEVEL_REPORT_VELOCITY_VERSION_2_V2 0x06
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V2 0x07

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#define SENSOR_MULTILEVEL_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V2 0x08
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V2 0x09
#define SENSOR_MULTILEVEL_REPORT_SOLAR_RADIATION_VERSION_2_V2 0x0A
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V2 0x0B
#define SENSOR_MULTILEVEL_REPORT_RAIN_RATE_VERSION_2_V2 0x0C
#define SENSOR_MULTILEVEL_REPORT_TIDE_LEVEL_VERSION_2_V2 0x0D
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V2 0x07
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK_V2 0x18
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SHIFT_V2 0x03
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_MASK_V2 0xE0
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT_V2 0x05

/* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION_V3 0x03
#define SENSOR_MULTILEVEL_GET_V3 0x04
#define SENSOR_MULTILEVEL_REPORT_V3 0x05
/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V3 0x01
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V3 0x02
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V3 0x03
#define SENSOR_MULTILEVEL_REPORT_POWER_VERSION_2_V3 0x04
#define SENSOR_MULTILEVEL_REPORT_RELATIVE_HUMIDITY_VERSION_2_V3 0x05
#define SENSOR_MULTILEVEL_REPORT_VELOCITY_VERSION_2_V3 0x06
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V3 0x07
#define SENSOR_MULTILEVEL_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V3 0x08
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V3 0x09
#define SENSOR_MULTILEVEL_REPORT_SOLAR_RADIATION_VERSION_2_V3 0x0A
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V3 0x0B
#define SENSOR_MULTILEVEL_REPORT_RAIN_RATE_VERSION_2_V3 0x0C
#define SENSOR_MULTILEVEL_REPORT_TIDE_LEVEL_VERSION_2_V3 0x0D
#define SENSOR_MULTILEVEL_REPORT_WEIGHT_VERSION_3_V3 0x0E
#define SENSOR_MULTILEVEL_REPORT_VOLTAGE_VERSION_3_V3 0x0F
#define SENSOR_MULTILEVEL_REPORT_CURRENT_VERSION_3_V3 0x10
#define SENSOR_MULTILEVEL_REPORT_CO2_LEVEL_VERSION_3_V3 0x11
#define SENSOR_MULTILEVEL_REPORT_AIR_FLOW_VERSION_3_V3 0x12
#define SENSOR_MULTILEVEL_REPORT_TANK_CAPACITY_VERSION_3_V3 0x13
#define SENSOR_MULTILEVEL_REPORT_DISTANCE_VERSION_3_V3 0x14
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V3 0x07
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK_V3 0x18
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SHIFT_V3 0x03
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_MASK_V3 0xE0
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT_V3 0x05

/* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION_V4 0x04
#define SENSOR_MULTILEVEL_GET_V4 0x04
#define SENSOR_MULTILEVEL_REPORT_V4 0x05
/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V4 0x01
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V4 0x02
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V4 0x03
#define SENSOR_MULTILEVEL_REPORT_POWER_VERSION_2_V4 0x04
#define SENSOR_MULTILEVEL_REPORT_RELATIVE_HUMIDITY_VERSION_2_V4 0x05
#define SENSOR_MULTILEVEL_REPORT_VELOCITY_VERSION_2_V4 0x06
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V4 0x07
#define SENSOR_MULTILEVEL_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V4 0x08
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V4 0x09
#define SENSOR_MULTILEVEL_REPORT_SOLAR_RADIATION_VERSION_2_V4 0x0A
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V4 0x0B
#define SENSOR_MULTILEVEL_REPORT_RAIN_RATE_VERSION_2_V4 0x0C
#define SENSOR_MULTILEVEL_REPORT_TIDE_LEVEL_VERSION_2_V4 0x0D
#define SENSOR_MULTILEVEL_REPORT_WEIGHT_VERSION_3_V4 0x0E
#define SENSOR_MULTILEVEL_REPORT_VOLTAGE_VERSION_3_V4 0x0F
#define SENSOR_MULTILEVEL_REPORT_CURRENT_VERSION_3_V4 0x10
#define SENSOR_MULTILEVEL_REPORT_CO2_LEVEL_VERSION_3_V4 0x11
#define SENSOR_MULTILEVEL_REPORT_AIR_FLOW_VERSION_3_V4 0x12
#define SENSOR_MULTILEVEL_REPORT_TANK_CAPACITY_VERSION_3_V4 0x13
#define SENSOR_MULTILEVEL_REPORT_DISTANCE_VERSION_3_V4 0x14
#define SENSOR_MULTILEVEL_REPORT_ANGLE_POSITION_VERSION_4_V4 0x15
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V4 0x07
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK_V4 0x18
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SHIFT_V4 0x03
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_MASK_V4 0xE0
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT_V4 0x05

/* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION_V5 0x05
#define SENSOR_MULTILEVEL_GET_V5 0x04
#define SENSOR_MULTILEVEL_REPORT_V5 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V5 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_V5 0x02
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#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V5 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V5 0x06
/* Values used for Sensor Multilevel Get command */
#define SENSOR_MULTILEVEL_GET_TEMPERATURE_VERSION_1_V5 0x01
#define SENSOR_MULTILEVEL_GET_GENERAL_PURPOSE_VALUE_VERSION_1_V5 0x02
#define SENSOR_MULTILEVEL_GET_LUMINANCE_VERSION_1_V5 0x03
#define SENSOR_MULTILEVEL_GET_POWER_VERSION_2_V5 0x04
#define SENSOR_MULTILEVEL_GET_RELATIVE_HUMIDITY_VERSION_2_V5 0x05
#define SENSOR_MULTILEVEL_GET_VELOCITY_VERSION_2_V5 0x06
#define SENSOR_MULTILEVEL_GET_DIRECTION_VERSION_2_V5 0x07
#define SENSOR_MULTILEVEL_GET_ATMOSPHERIC_PRESSURE_VERSION_2_V5 0x08
#define SENSOR_MULTILEVEL_GET_BAROMETRIC_PRESSURE_VERSION_2_V5 0x09
#define SENSOR_MULTILEVEL_GET_SOLAR_RADIATION_VERSION_2_V5 0x0A
#define SENSOR_MULTILEVEL_GET_DEW_POINT_VERSION_2_V5 0x0B
#define SENSOR_MULTILEVEL_GET_RAIN_RATE_VERSION_2_V5 0x0C
#define SENSOR_MULTILEVEL_GET_TIDE_LEVEL_VERSION_2_V5 0x0D
#define SENSOR_MULTILEVEL_GET_WEIGHT_VERSION_3_V5 0x0E
#define SENSOR_MULTILEVEL_GET_VOLTAGE_VERSION_3_V5 0x0F
#define SENSOR_MULTILEVEL_GET_CURRENT_VERSION_3_V5 0x10
#define SENSOR_MULTILEVEL_GET_CO2_LEVEL_VERSION_3_V5 0x11
#define SENSOR_MULTILEVEL_GET_AIR_FLOW_VERSION_3_V5 0x12
#define SENSOR_MULTILEVEL_GET_TANK_CAPACITY_VERSION_3_V5 0x13
#define SENSOR_MULTILEVEL_GET_DISTANCE_VERSION_3_V5 0x14
#define SENSOR_MULTILEVEL_GET_ANGLE_POSITION_VERSION_4_V5 0x15
#define SENSOR_MULTILEVEL_GET_ROTATION_V5_V5 0x16
#define SENSOR_MULTILEVEL_GET_WATER_TEMPERATURE_V5_V5 0x17
#define SENSOR_MULTILEVEL_GET_SOIL_TEMPERATURE_V5_V5 0x18
#define SENSOR_MULTILEVEL_GET_SEISMIC_INTENSITY_V5_V5 0x19
#define SENSOR_MULTILEVEL_GET_SEISMIC_MAGNITUDE_V5_V5 0x1A
#define SENSOR_MULTILEVEL_GET_ULTRAVIOLET_V5_V5 0x1B
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_RESISTIVITY_V5_V5 0x1C
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_CONDUCTIVITY_V5_V5 0x1D
#define SENSOR_MULTILEVEL_GET_LOUDNESS_V5_V5 0x1E
#define SENSOR_MULTILEVEL_GET_MOISTURE_V5_V5 0x1F
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED1_MASK_V5 0x07
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_MASK_V5 0x18
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_SHIFT_V5 0x03
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_MASK_V5 0x08
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V5 0x05
/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V5 0x01
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V5 0x02
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V5 0x03
#define SENSOR_MULTILEVEL_REPORT_POWER_VERSION_2_V5 0x04
#define SENSOR_MULTILEVEL_REPORT_RELATIVE_HUMIDITY_VERSION_2_V5 0x05
#define SENSOR_MULTILEVEL_REPORT_VELOCITY_VERSION_2_V5 0x06
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V5 0x07
#define SENSOR_MULTILEVEL_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V5 0x08
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V5 0x09
#define SENSOR_MULTILEVEL_REPORT_SOLAR_RADIATION_VERSION_2_V5 0x0A
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V5 0x0B
#define SENSOR_MULTILEVEL_REPORT_RAIN_RATE_VERSION_2_V5 0x0C
#define SENSOR_MULTILEVEL_REPORT_TIDE_LEVEL_VERSION_2_V5 0x0D
#define SENSOR_MULTILEVEL_REPORT_WEIGHT_VERSION_3_V5 0x0E
#define SENSOR_MULTILEVEL_REPORT_VOLTAGE_VERSION_3_V5 0x0F
#define SENSOR_MULTILEVEL_REPORT_CURRENT_VERSION_3_V5 0x10
#define SENSOR_MULTILEVEL_REPORT_CO2_LEVEL_VERSION_3_V5 0x11
#define SENSOR_MULTILEVEL_REPORT_AIR_FLOW_VERSION_3_V5 0x12
#define SENSOR_MULTILEVEL_REPORT_TANK_CAPACITY_VERSION_3_V5 0x13
#define SENSOR_MULTILEVEL_REPORT_DISTANCE_VERSION_3_V5 0x14
#define SENSOR_MULTILEVEL_REPORT_ANGLE_POSITION_VERSION_4_V5 0x15
#define SENSOR_MULTILEVEL_REPORT_ROTATION_V5_V5 0x16
#define SENSOR_MULTILEVEL_REPORT_WATER_TEMPERATURE_V5_V5 0x17
#define SENSOR_MULTILEVEL_REPORT_SOIL_TEMPERATURE_V5_V5 0x18
#define SENSOR_MULTILEVEL_REPORT_SEISMIC_INTENSITY_V5_V5 0x19
#define SENSOR_MULTILEVEL_REPORT_SEISMIC_MAGNITUDE_V5_V5 0x1A
#define SENSOR_MULTILEVEL_REPORT_ULTRAVIOLET_V5_V5 0x1B
#define SENSOR_MULTILEVEL_REPORT_ELECTRICAL_RESISTIVITY_V5_V5 0x1C
#define SENSOR_MULTILEVEL_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V5 0x1D
#define SENSOR_MULTILEVEL_REPORT_LOUDNESS_V5_V5 0x1E
#define SENSOR_MULTILEVEL_REPORT_MOISTURE_V5_V5 0x1F
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V5 0x07
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK_V5 0x18
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SHIFT_V5 0x03
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_MASK_V5 0x08
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT_V5 0x05
/* Values used for Sensor Multilevel Supported Get Scale command */
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TEMPERATURE_VERSION_1_V5 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_GENERAL_PURPOSE_VALUE_VERSION_1_V5 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LUMINANCE_VERSION_1_V5 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_POWER_VERSION_2_V5 0x04
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#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RELATIVE_HUMIDITY_VERSION_2_V5 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VELOCITY_VERSION_2_V5 0x06
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DIRECTION_VERSION_2_V5 0x07
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ATMOSPHERIC_PRESSURE_VERSION_2_V5 0x08
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BAROMETRIC_PRESSURE_VERSION_2_V5 0x09
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOLAR_RADIATION_VERSION_2_V5 0x0A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DEW_POINT_VERSION_2_V5 0x0B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RAIN_RATE_VERSION_2_V5 0x0C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIDE_LEVEL_VERSION_2_V5 0x0D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WEIGHT_VERSION_3_V5 0x0E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VOLTAGE_VERSION_3_V5 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CURRENT_VERSION_3_V5 0x10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CO2_LEVEL_VERSION_3_V5 0x11
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_AIR_FLOW_VERSION_3_V5 0x12
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TANK_CAPACITY_VERSION_3_V5 0x13
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DISTANCE_VERSION_3_V5 0x14
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ANGLE_POSITION_VERSION_4_V5 0x15
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ROTATION_V5_V5 0x16
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WATER_TEMPERATURE_V5_V5 0x17
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_TEMPERATURE_V5_V5 0x18
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_INTENSITY_V5_V5 0x19
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_MAGNITUDE_V5_V5 0x1A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ULTRAVIOLET_V5_V5 0x1B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ELECTRICAL_RESISTIVITY_V5_V5 0x1C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ELECTRICAL_CONDUCTIVITY_V5_V5 0x1D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LOUDNESS_V5_V5 0x1E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MOISTURE_V5_V5 0x1F
/* Values used for Sensor Multilevel Supported Scale Report command */
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TEMPERATURE_VERSION_1_V5 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V5 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LUMINANCE_VERSION_1_V5 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_POWER_VERSION_2_V5 0x04
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RELATIVE_HUMIDITY_VERSION_2_V5 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VELOCITY_VERSION_2_V5 0x06
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DIRECTION_VERSION_2_V5 0x07
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V5 0x08
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V5 0x09
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOLAR_RADIATION_VERSION_2_V5 0x0A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DEW_POINT_VERSION_2_V5 0x0B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RAIN_RATE_VERSION_2_V5 0x0C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIDE_LEVEL_VERSION_2_V5 0x0D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WEIGHT_VERSION_3_V5 0x0E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VOLTAGE_VERSION_3_V5 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CURRENT_VERSION_3_V5 0x10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CO2_LEVEL_VERSION_3_V5 0x11
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_AIR_FLOW_VERSION_3_V5 0x12
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TANK_CAPACITY_VERSION_3_V5 0x13
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_3_V5 0x14
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ANGLE_POSITION_VERSION_4_V5 0x15
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ROTATION_V5_V5 0x16
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WATER_TEMPERATURE_V5_V5 0x17
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_TEMPERATURE_V5_V5 0x18
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_INTENSITY_V5_V5 0x19
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_MAGNITUDE_V5_V5 0x1A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ULTRAVIOLET_V5_V5 0x1B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_RESISTIVITY_V5_V5 0x1C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V5 0x1D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LOUDNESS_V5_V5 0x1E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_MOISTURE_V5_V5 0x1F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_SCALE_BIT_MASK_MASK_V5 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_MASK_V5 0xF0
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_SHIFT_V5 0x04

/* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION_V6 0x06
#define SENSOR_MULTILEVEL_GET_V6 0x04
#define SENSOR_MULTILEVEL_REPORT_V6 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V6 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_V6 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V6 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V6 0x06
/* Values used for Sensor Multilevel Get command */
#define SENSOR_MULTILEVEL_GET_TEMPERATURE_VERSION_1_V6 0x01
#define SENSOR_MULTILEVEL_GET_GENERAL_PURPOSE_VALUE_VERSION_1_V6 0x02
#define SENSOR_MULTILEVEL_GET_LUMINANCE_VERSION_1_V6 0x03
#define SENSOR_MULTILEVEL_GET_POWER_VERSION_2_V6 0x04
#define SENSOR_MULTILEVEL_GET_RELATIVE_HUMIDITY_VERSION_2_V6 0x05
#define SENSOR_MULTILEVEL_GET_VELOCITY_VERSION_2_V6 0x06
#define SENSOR_MULTILEVEL_GET_DIRECTION_VERSION_2_V6 0x07
#define SENSOR_MULTILEVEL_GET_ATMOSPHERIC_PRESSURE_VERSION_2_V6 0x08
#define SENSOR_MULTILEVEL_GET_BAROMETRIC_PRESSURE_VERSION_2_V6 0x09

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#define SENSOR_MULTILEVEL_GET_SOLAR_RADIATION_VERSION_2_V6 0x0A
#define SENSOR_MULTILEVEL_GET_DEW_POINT_VERSION_2_V6 0x0B
#define SENSOR_MULTILEVEL_GET_RAIN_RATE_VERSION_2_V6 0x0C
#define SENSOR_MULTILEVEL_GET_TIDE_LEVEL_VERSION_2_V6 0x0D
#define SENSOR_MULTILEVEL_GET_WEIGHT_VERSION_3_V6 0x0E
#define SENSOR_MULTILEVEL_GET_VOLTAGE_VERSION_3_V6 0x0F
#define SENSOR_MULTILEVEL_GET_CURRENT_VERSION_3_V6 0x10
#define SENSOR_MULTILEVEL_GET_CO2_LEVEL_VERSION_3_V6 0x11
#define SENSOR_MULTILEVEL_GET_AIR_FLOW_VERSION_3_V6 0x12
#define SENSOR_MULTILEVEL_GET_TANK_CAPACITY_VERSION_3_V6 0x13
#define SENSOR_MULTILEVEL_GET_DISTANCE_VERSION_3_V6 0x14
#define SENSOR_MULTILEVEL_GET_ANGLE_POSITION_VERSION_4_V6 0x15
#define SENSOR_MULTILEVEL_GET_ROTATION_V5_V6 0x16
#define SENSOR_MULTILEVEL_GET_WATER_TEMPERATURE_V5_V6 0x17
#define SENSOR_MULTILEVEL_GET_SOIL_TEMPERATURE_V5_V6 0x18
#define SENSOR_MULTILEVEL_GET_SEISMIC_INTENSITY_V5_V6 0x19
#define SENSOR_MULTILEVEL_GET_SEISMIC_MAGNITUDE_V5_V6 0x1A
#define SENSOR_MULTILEVEL_GET_ULTRAVIOLET_V5_V6 0x1B
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_RESISTIVITY_V5_V6 0x1C
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_CONDUCTIVITY_V5_V6 0x1D
#define SENSOR_MULTILEVEL_GET_LOUDNESS_V5_V6 0x1E
#define SENSOR_MULTILEVEL_GET_MOISTURE_V5_V6 0x1F
#define SENSOR_MULTILEVEL_GET_FREQUENCY_V6_V6 0x20
#define SENSOR_MULTILEVEL_GET_TIME_V6_V6 0x21
#define SENSOR_MULTILEVEL_GET_TARGET_TEMPERATURE_V6_V6 0x22
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED1_MASK_V6 0x07
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_MASK_V6 0x18
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_SHIFT_V6 0x03
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_MASK_V6 0xE0
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V6 0x05
/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V6 0x01
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V6 0x02
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V6 0x03
#define SENSOR_MULTILEVEL_REPORT_POWER_VERSION_2_V6 0x04
#define SENSOR_MULTILEVEL_REPORT_RELATIVE_HUMIDITY_VERSION_2_V6 0x05
#define SENSOR_MULTILEVEL_REPORT_VELOCITY_VERSION_2_V6 0x06
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V6 0x07
#define SENSOR_MULTILEVEL_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V6 0x08
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V6 0x09
#define SENSOR_MULTILEVEL_REPORT_SOLAR_RADIATION_VERSION_2_V6 0x0A
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V6 0x0B
#define SENSOR_MULTILEVEL_REPORT_RAIN_RATE_VERSION_2_V6 0x0C
#define SENSOR_MULTILEVEL_REPORT_TIDE_LEVEL_VERSION_2_V6 0x0D
#define SENSOR_MULTILEVEL_REPORT_WEIGHT_VERSION_3_V6 0x0E
#define SENSOR_MULTILEVEL_REPORT_VOLTAGE_VERSION_3_V6 0x0F
#define SENSOR_MULTILEVEL_REPORT_CURRENT_VERSION_3_V6 0x10
#define SENSOR_MULTILEVEL_REPORT_CO2_LEVEL_VERSION_3_V6 0x11
#define SENSOR_MULTILEVEL_REPORT_AIR_FLOW_VERSION_3_V6 0x12
#define SENSOR_MULTILEVEL_REPORT_TANK_CAPACITY_VERSION_3_V6 0x13
#define SENSOR_MULTILEVEL_REPORT_DISTANCE_VERSION_3_V6 0x14
#define SENSOR_MULTILEVEL_REPORT_ANGLE_POSITION_VERSION_4_V6 0x15
#define SENSOR_MULTILEVEL_REPORT_ROTATION_V5_V6 0x16
#define SENSOR_MULTILEVEL_REPORT_WATER_TEMPERATURE_V5_V6 0x17
#define SENSOR_MULTILEVEL_REPORT_SOIL_TEMPERATURE_V5_V6 0x18
#define SENSOR_MULTILEVEL_REPORT_SEISMIC_INTENSITY_V5_V6 0x19
#define SENSOR_MULTILEVEL_REPORT_SEISMIC_MAGNITUDE_V5_V6 0x1A
#define SENSOR_MULTILEVEL_REPORT_ULTRAVIOLET_V5_V6 0x1B
#define SENSOR_MULTILEVEL_REPORT_ELECTRICAL_RESISTIVITY_V5_V6 0x1C
#define SENSOR_MULTILEVEL_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V6 0x1D
#define SENSOR_MULTILEVEL_REPORT_LOUDNESS_V5_V6 0x1E
#define SENSOR_MULTILEVEL_REPORT_MOISTURE_V5_V6 0x1F
#define SENSOR_MULTILEVEL_REPORT_FREQUENCY_V6_V6 0x20
#define SENSOR_MULTILEVEL_REPORT_TIME_V6_V6 0x21
#define SENSOR_MULTILEVEL_REPORT_TARGET_TEMPERATURE_V6_V6 0x22
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V6 0x07
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK_V6 0x18
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SHIFT_V6 0x03
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_MASK_V6 0xE0
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT_V6 0x05
/* Values used for Sensor Multilevel Supported Get Scale command */
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TEMPERATURE_VERSION_1_V6 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_GENERAL_PURPOSE_VALUE_VERSION_1_V6 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LUMINANCE_VERSION_1_V6 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_POWER_VERSION_2_V6 0x04
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RELATIVE_HUMIDITY_VERSION_2_V6 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VELOCITY_VERSION_2_V6 0x06
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DIRECTION_VERSION_2_V6 0x07
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ATMOSPHERIC_PRESSURE_VERSION_2_V6 0x08
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BAROMETRIC_PRESSURE_VERSION_2_V6 0x09
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOLAR_RADIATION_VERSION_2_V6 0x0A
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#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DEW_POINT_VERSION_2_V6 0x0B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RAIN_RATE_VERSION_2_V6 0x0C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIDE_LEVEL_VERSION_2_V6 0x0D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WEIGHT_VERSION_3_V6 0x0E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VOLTAGE_VERSION_3_V6 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CURRENT_VERSION_3_V6 0x10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CO2_LEVEL_VERSION_3_V6 0x11
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_AIR_FLOW_VERSION_3_V6 0x12
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TANK_CAPACITY_VERSION_3_V6 0x13
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DISTANCE_VERSION_3_V6 0x14
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ANGLE_POSITION_VERSION_4_V6 0x15
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ROTATION_V5_V6 0x16
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WATER_TEMPERATURE_V5_V6 0x17
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_TEMPERATURE_V5_V6 0x18
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_INTENSITY_V5_V6 0x19
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_MAGNITUDE_V5_V6 0x1A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ULTRAVIOLET_V5_V6 0x1B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ELECTRICAL_RESISTIVITY_V5_V6 0x1C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ELECTRICAL_CONDUCTIVITY_V5_V6 0x1D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LOUDNESS_V5_V6 0x1E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MOISTURE_V5_V6 0x1F
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FREQUENCY_V6_V6 0x20
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIME_V6_V6 0x21
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TARGET_TEMPERATURE_V6_V6 0x22
/* Values used for Sensor Multilevel Supported Scale Report command */
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TEMPERATURE_VERSION_1_V6 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V6 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LUMINANCE_VERSION_1_V6 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_POWER_VERSION_2_V6 0x04
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RELATIVE_HUMIDITY_VERSION_2_V6 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VELOCITY_VERSION_2_V6 0x06
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DIRECTION_VERSION_2_V6 0x07
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V6 0x08
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V6 0x09
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOLAR_RADIATION_VERSION_2_V6 0x0A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DEW_POINT_VERSION_2_V6 0x0B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RAIN_RATE_VERSION_2_V6 0x0C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIDE_LEVEL_VERSION_2_V6 0x0D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WEIGHT_VERSION_3_V6 0x0E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VOLTAGE_VERSION_3_V6 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CURRENT_VERSION_3_V6 0x10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CO2_LEVEL_VERSION_3_V6 0x11
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_AIR_FLOW_VERSION_3_V6 0x12
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TANK_CAPACITY_VERSION_3_V6 0x13
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_3_V6 0x14
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ANGLE_POSITION_VERSION_4_V6 0x15
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ROTATION_V5_V6 0x16
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WATER_TEMPERATURE_V5_V6 0x17
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_TEMPERATURE_V5_V6 0x18
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_INTENSITY_V5_V6 0x19
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_MAGNITUDE_V5_V6 0x1A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ULTRAVIOLET_V5_V6 0x1B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_RESISTIVITY_V5_V6 0x1C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V6 0x1D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LOUDNESS_V5_V6 0x1E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_MOISTURE_V5_V6 0x1F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_FREQUENCY_V6_V6 0x20
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIME_V6_V6 0x21
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TARGET_TEMPERATURE_V6_V6 0x22
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_SCALE_BIT_MASK_MASK_V6 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_MASK_V6 0xF0
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_SHIFT_V6 0x04

/* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION_V7 0x07
#define SENSOR_MULTILEVEL_GET_V7 0x04
#define SENSOR_MULTILEVEL_REPORT_V7 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V7 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_V7 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V7 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V7 0x06
/* Values used for Sensor Multilevel Get command */
#define SENSOR_MULTILEVEL_GET_TEMPERATURE_VERSION_1_V7 0x01
#define SENSOR_MULTILEVEL_GET_GENERAL_PURPOSE_VALUE_VERSION_1_V7 0x02
#define SENSOR_MULTILEVEL_GET_LUMINANCE_VERSION_1_V7 0x03
#define SENSOR_MULTILEVEL_GET_POWER_VERSION_2_V7 0x04
#define SENSOR_MULTILEVEL_GET_RELATIVE_HUMIDITY_VERSION_2_V7 0x05
#define SENSOR_MULTILEVEL_GET_VELOCITY_VERSION_2_V7 0x06
#define SENSOR_MULTILEVEL_GET_DIRECTION_VERSION_2_V7 0x07
#define SENSOR_MULTILEVEL_GET_ATMOSPHERIC_PRESSURE_VERSION_2_V7 0x08
#define SENSOR_MULTILEVEL_GET_BAROMETRIC_PRESSURE_VERSION_2_V7 0x09
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#define SENSOR_MULTILEVEL_GET_SOLAR_RADIATION_VERSION_2_V7 0x0A
#define SENSOR_MULTILEVEL_GET_DEW_POINT_VERSION_2_V7 0x0B
#define SENSOR_MULTILEVEL_GET_RAIN_RATE_VERSION_2_V7 0x0C
#define SENSOR_MULTILEVEL_GET_TIDE_LEVEL_VERSION_2_V7 0x0D
#define SENSOR_MULTILEVEL_GET_WEIGHT_VERSION_3_V7 0x0E
#define SENSOR_MULTILEVEL_GET_VOLTAGE_VERSION_3_V7 0x0F
#define SENSOR_MULTILEVEL_GET_CURRENT_VERSION_3_V7 0x10
#define SENSOR_MULTILEVEL_GET_CO2_LEVEL_VERSION_3_V7 0x11
#define SENSOR_MULTILEVEL_GET_AIR_FLOW_VERSION_3_V7 0x12
#define SENSOR_MULTILEVEL_GET_TANK_CAPACITY_VERSION_3_V7 0x13
#define SENSOR_MULTILEVEL_GET_DISTANCE_VERSION_3_V7 0x14
#define SENSOR_MULTILEVEL_GET_ANGLE_POSITION_VERSION_4_V7 0x15
#define SENSOR_MULTILEVEL_GET_ROTATION_V5_V7 0x16
#define SENSOR_MULTILEVEL_GET_WATER_TEMPERATURE_V5_V7 0x17
#define SENSOR_MULTILEVEL_GET_SOIL_TEMPERATURE_V5_V7 0x18
#define SENSOR_MULTILEVEL_GET_SEISMIC_INTENSITY_V5_V7 0x19
#define SENSOR_MULTILEVEL_GET_SEISMIC_MAGNITUDE_V5_V7 0x1A
#define SENSOR_MULTILEVEL_GET_ULTRAVIOLET_V5_V7 0x1B
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_RESISTIVITY_V5_V7 0x1C
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_CONDUCTIVITY_V5_V7 0x1D
#define SENSOR_MULTILEVEL_GET_LOUDNESS_V5_V7 0x1E
#define SENSOR_MULTILEVEL_GET_MOISTURE_V5_V7 0x1F
#define SENSOR_MULTILEVEL_GET_FREQUENCY_V6_V7 0x20
#define SENSOR_MULTILEVEL_GET_TIME_V6_V7 0x21
#define SENSOR_MULTILEVEL_GET_TARGET_TEMPERATURE_V6_V7 0x22
#define SENSOR_MULTILEVEL_GET_PARTICULATE_MATTER_2_5_V7_V7 0x23
#define SENSOR_MULTILEVEL_GET_FORMALDEHYDE_CH2O_LEVEL_V7_V7 0x24
#define SENSOR_MULTILEVEL_GET_RADON_CONCENTRATION_V7_V7 0x25
#define SENSOR_MULTILEVEL_GET_METHANE_DENSITY_CH4_V7_V7 0x26
#define SENSOR_MULTILEVEL_GET_VOLATILE_ORGANIC_COMPOUND_V7_V7 0x27
#define SENSOR_MULTILEVEL_GET CARBON MONOXIDE CO_LEVEL_V7_V7 0x28
#define SENSOR_MULTILEVEL_GET_SOIL_HUMIDITY_V7_V7 0x29
#define SENSOR_MULTILEVEL_GET_SOIL_REACTIVITY_V7_V7 0x2A
#define SENSOR_MULTILEVEL_GET_SOIL_SALINITY_V7_V7 0x2B
#define SENSOR_MULTILEVEL_GET_HEART_RATE_V7_V7 0x2C
#define SENSOR_MULTILEVEL_GET_BLOOD_PRESSURE_V7_V7 0x2D
#define SENSOR_MULTILEVEL_GET_MUSCLE_MASS_V7_V7 0x2E
#define SENSOR_MULTILEVEL_GET_FAT_MASS_V7_V7 0x2F
#define SENSOR_MULTILEVEL_GET_BONE_MASS_V7_V7 0x30
#define SENSOR_MULTILEVEL_GET_TOTAL_BODY_WATER_TBW_V7_V7 0x31
#define SENSOR_MULTILEVEL_GET_BASIC_METABOLIC_RATE_BMR_V7_V7 0x32
#define SENSOR_MULTILEVEL_GET_BODY_MASS_INDEX_BMI_V7_V7 0x33
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED1_MASK_V7 0x07
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_MASK_V7 0x18
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_SHIFT_V7 0x03
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_MASK_V7 0xE0
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V7 0x05
/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V7 0x01
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V7 0x02
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V7 0x03
#define SENSOR_MULTILEVEL_REPORT_POWER_VERSION_2_V7 0x04
#define SENSOR_MULTILEVEL_REPORT_RELATIVE_HUMIDITY_VERSION_2_V7 0x05
#define SENSOR_MULTILEVEL_REPORT_VELOCITY_VERSION_2_V7 0x06
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V7 0x07
#define SENSOR_MULTILEVEL_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V7 0x08
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V7 0x09
#define SENSOR_MULTILEVEL_REPORT_SOLAR_RADIATION_VERSION_2_V7 0x0A
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V7 0x0B
#define SENSOR_MULTILEVEL_REPORT_RAIN_RATE_VERSION_2_V7 0x0C
#define SENSOR_MULTILEVEL_REPORT_TIDE_LEVEL_VERSION_2_V7 0x0D
#define SENSOR_MULTILEVEL_REPORT_WEIGHT_VERSION_3_V7 0x0E
#define SENSOR_MULTILEVEL_REPORT_VOLTAGE_VERSION_3_V7 0x0F
#define SENSOR_MULTILEVEL_REPORT_CURRENT_VERSION_3_V7 0x10
#define SENSOR_MULTILEVEL_REPORT_CO2_LEVEL_VERSION_3_V7 0x11
#define SENSOR_MULTILEVEL_REPORT_AIR_FLOW_VERSION_3_V7 0x12
#define SENSOR_MULTILEVEL_REPORT_TANK_CAPACITY_VERSION_3_V7 0x13
#define SENSOR_MULTILEVEL_REPORT_DISTANCE_VERSION_3_V7 0x14
#define SENSOR_MULTILEVEL_REPORT_ANGLE_POSITION_VERSION_4_V7 0x15
#define SENSOR_MULTILEVEL_REPORT_ROTATION_V5_V7 0x16
#define SENSOR_MULTILEVEL_REPORT_WATER_TEMPERATURE_V5_V7 0x17
#define SENSOR_MULTILEVEL_REPORT_SOIL_TEMPERATURE_V5_V7 0x18
#define SENSOR_MULTILEVEL_REPORT_SEISMIC_INTENSITY_V5_V7 0x19
#define SENSOR_MULTILEVEL_REPORT_SEISMIC_MAGNITUDE_V5_V7 0x1A
#define SENSOR_MULTILEVEL_REPORT_ULTRAVIOLET_V5_V7 0x1B
#define SENSOR_MULTILEVEL_REPORT_ELECTRICAL_RESISTIVITY_V5_V7 0x1C
#define SENSOR_MULTILEVEL_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V7 0x1D
#define SENSOR_MULTILEVEL_REPORT_LOUDNESS_V5_V7 0x1E
#define SENSOR_MULTILEVEL_REPORT_MOISTURE_V5_V7 0x1F
#define SENSOR_MULTILEVEL_REPORT_FREQUENCY_V6_V7 0x20
#define SENSOR_MULTILEVEL_REPORT_TIME_V6_V7 0x21

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#define SENSOR_MULTILEVEL_REPORT_TARGET_TEMPERATURE_V6_V7 0x22
#define SENSOR_MULTILEVEL_REPORT_PARTICULATE_MATTER_2_5_V7_V7 0x23
#define SENSOR_MULTILEVEL_REPORT_FORMALDEHYDE_CH2O_LEVEL_V7_V7 0x24
#define SENSOR_MULTILEVEL_REPORT_RADON_CONCENTRATION_V7_V7 0x25
#define SENSOR_MULTILEVEL_REPORT_METHANE_DENSITY_CH4_V7_V7 0x26
#define SENSOR_MULTILEVEL_REPORT_VOLATILE_ORGANIC_COMPOUND_V7_V7 0x27
#define SENSOR_MULTILEVEL_REPORT CARBON_MONOXIDE_CO_LEVEL_V7_V7 0x28
#define SENSOR_MULTILEVEL_REPORT_SOIL_HUMIDITY_V7_V7 0x29
#define SENSOR_MULTILEVEL_REPORT_SOIL_REACTIVITY_V7_V7 0x2A
#define SENSOR_MULTILEVEL_REPORT_SOIL_SALINITY_V7_V7 0x2B
#define SENSOR_MULTILEVEL_REPORT_HEART_RATE_V7_V7 0x2C
#define SENSOR_MULTILEVEL_REPORT_BLOOD_PRESSURE_V7_V7 0x2D
#define SENSOR_MULTILEVEL_REPORT_MUSCLE_MASS_V7_V7 0x2E
#define SENSOR_MULTILEVEL_REPORT_FAT_MASS_V7_V7 0x2F
#define SENSOR_MULTILEVEL_REPORT_BONE_MASS_V7_V7 0x30
#define SENSOR_MULTILEVEL_REPORT_TOTAL_BODY_WATER_TBW_V7_V7 0x31
#define SENSOR_MULTILEVEL_REPORT_BASIC_METABOLIC_RATE_BMR_V7_V7 0x32
#define SENSOR_MULTILEVEL_REPORT_BODY_MASS_INDEX_BMI_V7_V7 0x33
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V7 0x07
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK_V7 0x18
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SHIFT_V7 0x03
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_MASK_V7 0xE0
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT_V7 0x05
/* Values used for Sensor Multilevel Supported Get Scale command */
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TEMPERATURE_VERSION_1_V7 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_GENERAL_PURPOSE_VALUE_VERSION_1_V7 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LUMINANCE_VERSION_1_V7 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_POWER_VERSION_2_V7 0x04
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RELATIVE_HUMIDITY_VERSION_2_V7 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VELOCITY_VERSION_2_V7 0x06
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DIRECTION_VERSION_2_V7 0x07
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE ATMOSPHERIC_PRESSURE_VERSION_2_V7 0x08
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BAROMETRIC_PRESSURE_VERSION_2_V7 0x09
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOLAR_RADIATION_VERSION_2_V7 0x0A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DEW_POINT_VERSION_2_V7 0x0B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RAIN_RATE_VERSION_2_V7 0x0C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIDE_LEVEL_VERSION_2_V7 0x0D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WEIGHT_VERSION_3_V7 0x0E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VOLTAGE_VERSION_3_V7 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CURRENT_VERSION_3_V7 0x10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CO2_LEVEL_VERSION_3_V7 0x11
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_AIR_FLOW_VERSION_3_V7 0x12
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TANK_CAPACITY_VERSION_3_V7 0x13
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DISTANCE_VERSION_3_V7 0x14
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ANGLE_POSITION_VERSION_4_V7 0x15
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ROTATION_V5_V7 0x16
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WATER_TEMPERATURE_V5_V7 0x17
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_TEMPERATURE_V5_V7 0x18
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_INTENSITY_V5_V7 0x19
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_MAGNITUDE_V5_V7 0x1A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ULTRAVIOLET_V5_V7 0x1B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ELECTRICAL_RESISTIVITY_V5_V7 0x1C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ELECTRICAL_CONDUCTIVITY_V5_V7 0x1D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LOUDNESS_V5_V7 0x1E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MOISTURE_V5_V7 0x1F
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FREQUENCY_V6_V7 0x20
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIME_V6_V7 0x21
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TARGET_TEMPERATURE_V6_V7 0x22
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_PARTICULATE_MATTER_2_5_V7_V7 0x23
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FORMALDEHYDE_CH2O_LEVEL_V7_V7 0x24
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RADON_CONCENTRATION_V7_V7 0x25
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_METHANE_DENSITY_CH4_V7_V7 0x26
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VOLATILE_ORGANIC_COMPOUND_V7_V7 0x27
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE CARBON_MONOXIDE_CO_LEVEL_V7_V7 0x28
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_HUMIDITY_V7_V7 0x29
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_REACTIVITY_V7_V7 0x2A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_SALINITY_V7_V7 0x2B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_HEART_RATE_V7_V7 0x2C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BLOOD_PRESSURE_V7_V7 0x2D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MUSCLE_MASS_V7_V7 0x2E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FAT_MASS_V7_V7 0x2F
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BONE_MASS_V7_V7 0x30
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TOTAL_BODY_WATER_TBW_V7_V7 0x31
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BASIC_METABOLIC_RATE_BMR_V7_V7 0x32
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BODY_MASS_INDEX_BMI_V7_V7 0x33
/* Values used for Sensor Multilevel Supported Scale Report command */
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TEMPERATURE_VERSION_1_V7 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V7 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LUMINANCE_VERSION_1_V7 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_POWER_VERSION_2_V7 0x04
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RELATIVE_HUMIDITY_VERSION_2_V7 0x05
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#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VELOCITY_VERSION_2_V7 0x06
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DIRECTION_VERSION_2_V7 0x07
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V7 0x08
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V7 0x09
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOLAR_RADIATION_VERSION_2_V7 0x0A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DEW_POINT_VERSION_2_V7 0x0B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RAIN_RATE_VERSION_2_V7 0x0C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIDE_LEVEL_VERSION_2_V7 0x0D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WEIGHT_VERSION_3_V7 0x0E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VOLTAGE_VERSION_3_V7 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CURRENT_VERSION_3_V7 0x10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CO2_LEVEL_VERSION_3_V7 0x11
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_AIR_FLOW_VERSION_3_V7 0x12
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TANK_CAPACITY_VERSION_3_V7 0x13
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_3_V7 0x14
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ANGLE_POSITION_VERSION_4_V7 0x15
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ROTATION_V5_V7 0x16
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WATER_TEMPERATURE_V5_V7 0x17
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_TEMPERATURE_V5_V7 0x18
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_INTENSITY_V5_V7 0x19
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_MAGNITUDE_V5_V7 0x1A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ULTRAVIOLET_V5_V7 0x1B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_RESISTIVITY_V5_V7 0x1C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V7 0x1D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LOUDNESS_V5_V7 0x1E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_MOISTURE_V5_V7 0x1F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_FREQUENCY_V6_V7 0x20
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIME_V6_V7 0x21
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TARGET_TEMPERATURE_V6_V7 0x22
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PARTICULATE_MATTER_2_5_V7_V7 0x23
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_FORMALDEHYDE_CH2O_LEVEL_V7_V7 0x24
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RADON_CONCENTRATION_V7_V7 0x25
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_METHANE_DENSITY_CH4_V7_V7 0x26
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VOLATILE_ORGANIC_COMPOUND_V7_V7 0x27
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT CARBON MONOXIDE_CO_LEVEL_V7_V7 0x28
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_HUMIDITY_V7_V7 0x29
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_REACTIVITY_V7_V7 0x2A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_SALINITY_V7_V7 0x2B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_HEART_RATE_V7_V7 0x2C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BLOOD_PRESSURE_V7_V7 0x2D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_MUSCLE_MASS_V7_V7 0x2E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_FAT_MASS_V7_V7 0x2F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BONE_MASS_V7_V7 0x30
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TOTAL_BODY_WATER_TBW_V7_V7 0x31
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BASIC_METABOLIC_RATE_BMR_V7_V7 0x32
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BODY_MASS_INDEX_BMI_V7_V7 0x33
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_SCALE_BIT_MASK_MASK_V7 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_MASK_V7 0xF0
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_SHIFT_V7 0x04

/* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION_V8 0x08
#define SENSOR_MULTILEVEL_GET_V8 0x04
#define SENSOR_MULTILEVEL_REPORT_V8 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V8 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_V8 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V8 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V8 0x06
/* Values used for Sensor Multilevel Get command */
#define SENSOR_MULTILEVEL_GET_TEMPERATURE_VERSION_1_V8 0x01
#define SENSOR_MULTILEVEL_GET_GENERAL_PURPOSE_VALUE_VERSION_1_V8 0x02
#define SENSOR_MULTILEVEL_GET_LUMINANCE_VERSION_1_V8 0x03
#define SENSOR_MULTILEVEL_GET_POWER_VERSION_2_V8 0x04
#define SENSOR_MULTILEVEL_GET_RELATIVE_HUMIDITY_VERSION_2_V8 0x05
#define SENSOR_MULTILEVEL_GET_VELOCITY_VERSION_2_V8 0x06
#define SENSOR_MULTILEVEL_GET_DIRECTION_VERSION_2_V8 0x07
#define SENSOR_MULTILEVEL_GET_ATMOSPHERIC_PRESSURE_VERSION_2_V8 0x08
#define SENSOR_MULTILEVEL_GET_BAROMETRIC_PRESSURE_VERSION_2_V8 0x09
#define SENSOR_MULTILEVEL_GET_SOLAR_RADIATION_VERSION_2_V8 0x0A
#define SENSOR_MULTILEVEL_GET_DEW_POINT_VERSION_2_V8 0x0B
#define SENSOR_MULTILEVEL_GET_RAIN_RATE_VERSION_2_V8 0x0C
#define SENSOR_MULTILEVEL_GET_TIDE_LEVEL_VERSION_2_V8 0x0D
#define SENSOR_MULTILEVEL_GET_WEIGHT_VERSION_3_V8 0x0E
#define SENSOR_MULTILEVEL_GET_VOLTAGE_VERSION_3_V8 0x0F
#define SENSOR_MULTILEVEL_GET_CURRENT_VERSION_3_V8 0x10
#define SENSOR_MULTILEVEL_GET_CO2_LEVEL_VERSION_3_V8 0x11
#define SENSOR_MULTILEVEL_GET_AIR_FLOW_VERSION_3_V8 0x12
#define SENSOR_MULTILEVEL_GET_TANK_CAPACITY_VERSION_3_V8 0x13
#define SENSOR_MULTILEVEL_GET_DISTANCE_VERSION_3_V8 0x14
#define SENSOR_MULTILEVEL_GET_ANGLE_POSITION_VERSION_4_V8 0x15
#define SENSOR_MULTILEVEL_GET_ROTATION_V5_V8 0x16

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#define SENSOR_MULTILEVEL_GET_WATER_TEMPERATURE_V5_V8 0x17
#define SENSOR_MULTILEVEL_GET_SOIL_TEMPERATURE_V5_V8 0x18
#define SENSOR_MULTILEVEL_GET_SEISMIC_INTENSITY_V5_V8 0x19
#define SENSOR_MULTILEVEL_GET_SEISMIC_MAGNITUDE_V5_V8 0x1A
#define SENSOR_MULTILEVEL_GET_ULTRAVIOLET_V5_V8 0x1B
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_RESISTIVITY_V5_V8 0x1C
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_CONDUCTIVITY_V5_V8 0x1D
#define SENSOR_MULTILEVEL_GET_LOUDNESS_V5_V8 0x1E
#define SENSOR_MULTILEVEL_GET_MOISTURE_V5_V8 0x1F
#define SENSOR_MULTILEVEL_GET_FREQUENCY_V6_V8 0x20
#define SENSOR_MULTILEVEL_GET_TIME_V6_V8 0x21
#define SENSOR_MULTILEVEL_GET_TARGET_TEMPERATURE_V6_V8 0x22
#define SENSOR_MULTILEVEL_GET_PARTICULATE_MATTER_2_5_V7_V8 0x23
#define SENSOR_MULTILEVEL_GET_FORMALDEHYDE_CH2O_LEVEL_V7_V8 0x24
#define SENSOR_MULTILEVEL_GET_RADON_CONCENTRATION_V7_V8 0x25
#define SENSOR_MULTILEVEL_GET_METHANE_DENSITY_CH4_V7_V8 0x26
#define SENSOR_MULTILEVEL_GET_VOLATILE_ORGANIC_COMPOUND_V7_V8 0x27
#define SENSOR_MULTILEVEL_GET CARBON MONOXIDE_CO_LEVEL_V7_V8 0x28
#define SENSOR_MULTILEVEL_GET_SOIL_HUMIDITY_V7_V8 0x29
#define SENSOR_MULTILEVEL_GET_SOIL_REACTIVITY_V7_V8 0x2A
#define SENSOR_MULTILEVEL_GET_SOIL_SALINITY_V7_V8 0x2B
#define SENSOR_MULTILEVEL_GET_HEART_RATE_V7_V8 0x2C
#define SENSOR_MULTILEVEL_GET_BLOOD_PRESSURE_V7_V8 0x2D
#define SENSOR_MULTILEVEL_GET_MUSCLE_MASS_V7_V8 0x2E
#define SENSOR_MULTILEVEL_GET_FAT_MASS_V7_V8 0x2F
#define SENSOR_MULTILEVEL_GET_BONE_MASS_V7_V8 0x30
#define SENSOR_MULTILEVEL_GET_TOTAL_BODY_WATER_TBW_V7_V8 0x31
#define SENSOR_MULTILEVEL_GET_BASIC_METABOLIC_RATE_BMR_V7_V8 0x32
#define SENSOR_MULTILEVEL_GET_BODY_MASS_INDEX_BMI_V7_V8 0x33
#define SENSOR_MULTILEVEL_GET_ACCELERATION_X_AXIS_V8_V8 0x34
#define SENSOR_MULTILEVEL_GET_ACCELERATION_Y_AXIS_V8_V8 0x35
#define SENSOR_MULTILEVEL_GET_ACCELERATION_Z_AXIS_V8_V8 0x36
#define SENSOR_MULTILEVEL_GET_SMOKE_DENSITY_V8_V8 0x37
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED1_MASK_V8 0x07
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_MASK_V8 0x18
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_SHIFT_V8 0x03
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_MASK_V8 0xE0
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V8 0x05
/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V8 0x01
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V8 0x02
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V8 0x03
#define SENSOR_MULTILEVEL_REPORT_POWER_VERSION_2_V8 0x04
#define SENSOR_MULTILEVEL_REPORT_RELATIVE_HUMIDITY_VERSION_2_V8 0x05
#define SENSOR_MULTILEVEL_REPORT_VELOCITY_VERSION_2_V8 0x06
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V8 0x07
#define SENSOR_MULTILEVEL_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V8 0x08
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V8 0x09
#define SENSOR_MULTILEVEL_REPORT_SOLAR_RADIATION_VERSION_2_V8 0x0A
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V8 0x0B
#define SENSOR_MULTILEVEL_REPORT_RAIN_RATE_VERSION_2_V8 0x0C
#define SENSOR_MULTILEVEL_REPORT_TIDE_LEVEL_VERSION_2_V8 0x0D
#define SENSOR_MULTILEVEL_REPORT_WEIGHT_VERSION_3_V8 0x0E
#define SENSOR_MULTILEVEL_REPORT_VOLTAGE_VERSION_3_V8 0x0F
#define SENSOR_MULTILEVEL_REPORT_CURRENT_VERSION_3_V8 0x10
#define SENSOR_MULTILEVEL_REPORT_CO2_LEVEL_VERSION_3_V8 0x11
#define SENSOR_MULTILEVEL_REPORT_AIR_FLOW_VERSION_3_V8 0x12
#define SENSOR_MULTILEVEL_REPORT_TANK_CAPACITY_VERSION_3_V8 0x13
#define SENSOR_MULTILEVEL_REPORT_DISTANCE_VERSION_3_V8 0x14
#define SENSOR_MULTILEVEL_REPORT_ANGLE_POSITION_VERSION_4_V8 0x15
#define SENSOR_MULTILEVEL_REPORT_ROTATION_V5_V8 0x16
#define SENSOR_MULTILEVEL_REPORT_WATER_TEMPERATURE_V5_V8 0x17
#define SENSOR_MULTILEVEL_REPORT_SOIL_TEMPERATURE_V5_V8 0x18
#define SENSOR_MULTILEVEL_REPORT_SEISMIC_INTENSITY_V5_V8 0x19
#define SENSOR_MULTILEVEL_REPORT_SEISMIC_MAGNITUDE_V5_V8 0x1A
#define SENSOR_MULTILEVEL_REPORT_ULTRAVIOLET_V5_V8 0x1B
#define SENSOR_MULTILEVEL_REPORT_ELECTRICAL_RESISTIVITY_V5_V8 0x1C
#define SENSOR_MULTILEVEL_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V8 0x1D
#define SENSOR_MULTILEVEL_REPORT_LOUDNESS_V5_V8 0x1E
#define SENSOR_MULTILEVEL_REPORT_MOISTURE_V5_V8 0x1F
#define SENSOR_MULTILEVEL_REPORT_FREQUENCY_V6_V8 0x20
#define SENSOR_MULTILEVEL_REPORT_TIME_V6_V8 0x21
#define SENSOR_MULTILEVEL_REPORT_TARGET_TEMPERATURE_V6_V8 0x22
#define SENSOR_MULTILEVEL_REPORT_PARTICULATE_MATTER_2_5_V7_V8 0x23
#define SENSOR_MULTILEVEL_REPORT_FORMALDEHYDE_CH2O_LEVEL_V7_V8 0x24
#define SENSOR_MULTILEVEL_REPORT_RADON_CONCENTRATION_V7_V8 0x25
#define SENSOR_MULTILEVEL_REPORT_METHANE_DENSITY_CH4_V7_V8 0x26
#define SENSOR_MULTILEVEL_REPORT_VOLATILE_ORGANIC_COMPOUND_V7_V8 0x27
#define SENSOR_MULTILEVEL_REPORT CARBON MONOXIDE_CO_LEVEL_V7_V8 0x28
#define SENSOR_MULTILEVEL_REPORT_SOIL_HUMIDITY_V7_V8 0x29
#define SENSOR_MULTILEVEL_REPORT_SOIL_REACTIVITY_V7_V8 0x2A
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#define SENSOR_MULTILEVEL_REPORT_SOIL_SALINITY_V7_V8 0x2B
#define SENSOR_MULTILEVEL_REPORT_HEART_RATE_V7_V8 0x2C
#define SENSOR_MULTILEVEL_REPORT_BLOOD_PRESSURE_V7_V8 0x2D
#define SENSOR_MULTILEVEL_REPORT_MUSCLE_MASS_V7_V8 0x2E
#define SENSOR_MULTILEVEL_REPORT_FAT_MASS_V7_V8 0x2F
#define SENSOR_MULTILEVEL_REPORT_BONE_MASS_V7_V8 0x30
#define SENSOR_MULTILEVEL_REPORT_TOTAL_BODY_WATER_TBW_V7_V8 0x31
#define SENSOR_MULTILEVEL_REPORT_BASIC_METABOLIC_RATE_BMR_V7_V8 0x32
#define SENSOR_MULTILEVEL_REPORT_BODY_MASS_INDEX_BMI_V7_V8 0x33
#define SENSOR_MULTILEVEL_REPORT_ACCELERATION_X_AXIS_V8_V8 0x34
#define SENSOR_MULTILEVEL_REPORT_ACCELERATION_Y_AXIS_V8_V8 0x35
#define SENSOR_MULTILEVEL_REPORT_ACCELERATION_Z_AXIS_V8_V8 0x36
#define SENSOR_MULTILEVEL_REPORT_SMOKE_DENSITY_V8_V8 0x37
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V8 0x07
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK_V8 0x18
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SHIFT_V8 0x03
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_MASK_V8 0x00
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT_V8 0x05
/* Values used for Sensor Multilevel Supported Get Scale command */
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TEMPERATURE_VERSION_1_V8 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_GENERAL_PURPOSE_VALUE_VERSION_1_V8 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LUMINANCE_VERSION_1_V8 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_POWER_VERSION_2_V8 0x04
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RELATIVE_HUMIDITY_VERSION_2_V8 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VELOCITY_VERSION_2_V8 0x06
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DIRECTION_VERSION_2_V8 0x07
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ATMOSPHERIC_PRESSURE_VERSION_2_V8 0x08
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BAROMETRIC_PRESSURE_VERSION_2_V8 0x09
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOLAR_RADIATION_VERSION_2_V8 0x0A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DEW_POINT_VERSION_2_V8 0x0B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RAIN_RATE_VERSION_2_V8 0x0C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIDE_LEVEL_VERSION_2_V8 0x0D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WEIGHT_VERSION_3_V8 0x0E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VOLTAGE_VERSION_3_V8 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CURRENT_VERSION_3_V8 0x10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CO2_LEVEL_VERSION_3_V8 0x11
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_AIR_FLOW_VERSION_3_V8 0x12
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TANK_CAPACITY_VERSION_3_V8 0x13
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DISTANCE_VERSION_3_V8 0x14
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ANGLE_POSITION_VERSION_4_V8 0x15
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ROTATION_V5_V8 0x16
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WATER_TEMPERATURE_V5_V8 0x17
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_TEMPERATURE_V5_V8 0x18
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_INTENSITY_V5_V8 0x19
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_MAGNITUDE_V5_V8 0x1A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ULTRAVIOLET_V5_V8 0x1B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ELECTRICAL_RESISTIVITY_V5_V8 0x1C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ELECTRICAL_CONDUCTIVITY_V5_V8 0x1D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LOUDNESS_V5_V8 0x1E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MOISTURE_V5_V8 0x1F
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FREQUENCY_V6_V8 0x20
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIME_V6_V8 0x21
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TARGET_TEMPERATURE_V6_V8 0x22
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_PARTICULATE_MATTER_2_5_V7_V8 0x23
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FORMALDEHYDE_CH2O_LEVEL_V7_V8 0x24
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RADON_CONCENTRATION_V7_V8 0x25
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_METHANE_DENSITY_CH4_V7_V8 0x26
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VOLATILE_ORGANIC_COMPOUND_V7_V8 0x27
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE CARBON MONOXIDE CO_LEVEL_V7_V8 0x28
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE SOIL HUMIDITY_V7_V8 0x29
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE SOIL REACTIVITY_V7_V8 0x2A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE SOIL SALINITY_V7_V8 0x2B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE HEART RATE_V7_V8 0x2C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE BLOOD PRESSURE_V7_V8 0x2D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE MUSCLE_MASS_V7_V8 0x2E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE FAT_MASS_V7_V8 0x2F
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE BONE_MASS_V7_V8 0x30
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE TOTAL_BODY_WATER_TBW_V7_V8 0x31
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE BASIC_METABOLIC_RATE_BMR_V7_V8 0x32
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE BODY_MASS_INDEX_BMI_V7_V8 0x33
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE ACCELERATION_X_AXIS_V8_V8 0x34
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE ACCELERATION_Y_AXIS_V8_V8 0x35
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE ACCELERATION_Z_AXIS_V8_V8 0x36
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE SMOKE_DENSITY_V8_V8 0x37
/* Values used for Sensor Multilevel Supported Scale Report command */
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TEMPERATURE_VERSION_1_V8 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V8 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LUMINANCE_VERSION_1_V8 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_POWER_VERSION_2_V8 0x04
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RELATIVE_HUMIDITY_VERSION_2_V8 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VELOCITY_VERSION_2_V8 0x06
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#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DIRECTION_VERSION_2_V8 0x07
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V8 0x08
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V8 0x09
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOLAR_RADIATION_VERSION_2_V8 0x0A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DEW_POINT_VERSION_2_V8 0x0B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RAIN_RATE_VERSION_2_V8 0x0C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIDE_LEVEL_VERSION_2_V8 0x0D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WEIGHT_VERSION_3_V8 0x0E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VOLTAGE_VERSION_3_V8 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CURRENT_VERSION_3_V8 0x10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CO2_LEVEL_VERSION_3_V8 0x11
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_AIR_FLOW_VERSION_3_V8 0x12
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TANK_CAPACITY_VERSION_3_V8 0x13
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_3_V8 0x14
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ANGLE_POSITION_VERSION_4_V8 0x15
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ROTATION_V5_V8 0x16
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WATER_TEMPERATURE_V5_V8 0x17
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_TEMPERATURE_V5_V8 0x18
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_INTENSITY_V5_V8 0x19
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_MAGNITUDE_V5_V8 0x1A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ULTRAVIOLET_V5_V8 0x1B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_RESISTIVITY_V5_V8 0x1C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V8 0x1D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LOUDNESS_V5_V8 0x1E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_MOISTURE_V5_V8 0x1F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_FREQUENCY_V6_V8 0x20
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIME_V6_V8 0x21
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TARGET_TEMPERATURE_V6_V8 0x22
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PARTICULATE_MATTER_2_5_V7_V8 0x23
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_FORMALDEHYDE_CH2O_LEVEL_V7_V8 0x24
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RADON_CONCENTRATION_V7_V8 0x25
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_METHANE_DENSITY_CH4_V7_V8 0x26
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VOLATILE_ORGANIC_COMPOUND_V7_V8 0x27
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT CARBON MONOXIDE CO_LEVEL_V7_V8 0x28
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT SOIL HUMIDITY_V7_V8 0x29
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT SOIL REACTIVITY_V7_V8 0x2A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT SOIL SALINITY_V7_V8 0x2B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT HEART RATE_V7_V8 0x2C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT BLOOD PRESSURE_V7_V8 0x2D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT MUSCLE MASS_V7_V8 0x2E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT FAT MASS_V7_V8 0x2F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT BONE MASS_V7_V8 0x30
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT TOTAL BODY WATER TBW_V7_V8 0x31
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT BASIC METABOLIC RATE BMR_V7_V8 0x32
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT BODY MASS INDEX BMI_V7_V8 0x33
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT ACCELERATION_X_AXIS_V8_V8 0x34
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT ACCELERATION_Y_AXIS_V8_V8 0x35
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT ACCELERATION_Z_AXIS_V8_V8 0x36
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT SMOKE_DENSITY_V8_V8 0x37
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT PROPERTIES1_SCALE_BIT_MASK_MASK_V8 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT PROPERTIES1_RESERVED_MASK_V8 0xF0
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT PROPERTIES1_RESERVED_SHIFT_V8 0x04

/* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION_V9 0x09
#define SENSOR_MULTILEVEL_GET_V9 0x04
#define SENSOR_MULTILEVEL_REPORT_V9 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V9 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_V9 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V9 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V9 0x06
/* Values used for Sensor Multilevel Get command */
#define SENSOR_MULTILEVEL_GET_TEMPERATURE_VERSION_1_V9 0x01
#define SENSOR_MULTILEVEL_GET_GENERAL_PURPOSE_VALUE_VERSION_1_V9 0x02
#define SENSOR_MULTILEVEL_GET_LUMINANCE_VERSION_1_V9 0x03
#define SENSOR_MULTILEVEL_GET_POWER_VERSION_2_V9 0x04
#define SENSOR_MULTILEVEL_GET_RELATIVE_HUMIDITY_VERSION_2_V9 0x05
#define SENSOR_MULTILEVEL_GET_VELOCITY_VERSION_2_V9 0x06
#define SENSOR_MULTILEVEL_GET_DIRECTION_VERSION_2_V9 0x07
#define SENSOR_MULTILEVEL_GET_ATMOSPHERIC_PRESSURE_VERSION_2_V9 0x08
#define SENSOR_MULTILEVEL_GET_BAROMETRIC_PRESSURE_VERSION_2_V9 0x09
#define SENSOR_MULTILEVEL_GET_SOLAR_RADIATION_VERSION_2_V9 0x0A
#define SENSOR_MULTILEVEL_GET_DEW_POINT_VERSION_2_V9 0x0B
#define SENSOR_MULTILEVEL_GET_RAIN_RATE_VERSION_2_V9 0x0C
#define SENSOR_MULTILEVEL_GET_TIDE_LEVEL_VERSION_2_V9 0x0D
#define SENSOR_MULTILEVEL_GET_WEIGHT_VERSION_3_V9 0x0E
#define SENSOR_MULTILEVEL_GET_VOLTAGE_VERSION_3_V9 0x0F
#define SENSOR_MULTILEVEL_GET_CURRENT_VERSION_3_V9 0x10
#define SENSOR_MULTILEVEL_GET_CO2_LEVEL_VERSION_3_V9 0x11
#define SENSOR_MULTILEVEL_GET_AIR_FLOW_VERSION_3_V9 0x12
#define SENSOR_MULTILEVEL_GET_TANK_CAPACITY_VERSION_3_V9 0x13
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#define SENSOR_MULTILEVEL_GET_DISTANCE_VERSION_3_V9 0x14
#define SENSOR_MULTILEVEL_GET_ANGLE_POSITION_VERSION_4_V9 0x15
#define SENSOR_MULTILEVEL_GET_ROTATION_V5_V9 0x16
#define SENSOR_MULTILEVEL_GET_WATER_TEMPERATURE_V5_V9 0x17
#define SENSOR_MULTILEVEL_GET_SOIL_TEMPERATURE_V5_V9 0x18
#define SENSOR_MULTILEVEL_GET_SEISMIC_INTENSITY_V5_V9 0x19
#define SENSOR_MULTILEVEL_GET_SEISMIC_MAGNITUDE_V5_V9 0x1A
#define SENSOR_MULTILEVEL_GET_ULTRAVIOLET_V5_V9 0x1B
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_RESISTIVITY_V5_V9 0x1C
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_CONDUCTIVITY_V5_V9 0x1D
#define SENSOR_MULTILEVEL_GET_LOUDNESS_V5_V9 0x1E
#define SENSOR_MULTILEVEL_GET_MOISTURE_V5_V9 0x1F
#define SENSOR_MULTILEVEL_GET_FREQUENCY_V6_V9 0x20
#define SENSOR_MULTILEVEL_GET_TIME_V6_V9 0x21
#define SENSOR_MULTILEVEL_GET_TARGET_TEMPERATURE_V6_V9 0x22
#define SENSOR_MULTILEVEL_GET_PARTICULATE_MATTER_2_5_V7_V9 0x23
#define SENSOR_MULTILEVEL_GET_FORMALDEHYDE_CH2O_LEVEL_V7_V9 0x24
#define SENSOR_MULTILEVEL_GET_RADON_CONCENTRATION_V7_V9 0x25
#define SENSOR_MULTILEVEL_GET_METHANE_DENSITY_CH4_V7_V9 0x26
#define SENSOR_MULTILEVEL_GET_VOLATILE_ORGANIC_COMPOUND_V7_V9 0x27
#define SENSOR_MULTILEVEL_GET CARBON MONOXIDE_CO_LEVEL_V7_V9 0x28
#define SENSOR_MULTILEVEL_GET SOIL HUMIDITY_V7_V9 0x29
#define SENSOR_MULTILEVEL_GET SOIL REACTIVITY_V7_V9 0x2A
#define SENSOR_MULTILEVEL_GET SOIL SALINITY_V7_V9 0x2B
#define SENSOR_MULTILEVEL_GET HEART_RATE_V7_V9 0x2C
#define SENSOR_MULTILEVEL_GET BLOOD_PRESSURE_V7_V9 0x2D
#define SENSOR_MULTILEVEL_GET MUSCLE_MASS_V7_V9 0x2E
#define SENSOR_MULTILEVEL_GET FAT_MASS_V7_V9 0x2F
#define SENSOR_MULTILEVEL_GET BONE_MASS_V7_V9 0x30
#define SENSOR_MULTILEVEL_GET TOTAL_BODY_WATER_TBW_V7_V9 0x31
#define SENSOR_MULTILEVEL_GET BASIC_METABOLIC_RATE_BMR_V7_V9 0x32
#define SENSOR_MULTILEVEL_GET BODY_MASS_INDEX_BMI_V7_V9 0x33
#define SENSOR_MULTILEVEL_GET ACCELERATION_X_AXIS_V8_V9 0x34
#define SENSOR_MULTILEVEL_GET ACCELERATION_Y_AXIS_V8_V9 0x35
#define SENSOR_MULTILEVEL_GET ACCELERATION_Z_AXIS_V8_V9 0x36
#define SENSOR_MULTILEVEL_GET SMOKE_DENSITY_V8_V9 0x37
#define SENSOR_MULTILEVEL_GET WATER_FLOW_V9_V9 0x38
#define SENSOR_MULTILEVEL_GET WATER_PRESSURE_V9_V9 0x39
#define SENSOR_MULTILEVEL_GET_RF_SIGNAL_STRENGTH_V9_V9 0x3A
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED1_MASK_V9 0x07
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_MASK_V9 0x18
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_SHIFT_V9 0x03
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_MASK_V9 0xE0
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V9 0x05
/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V9 0x01
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V9 0x02
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V9 0x03
#define SENSOR_MULTILEVEL_REPORT_POWER_VERSION_2_V9 0x04
#define SENSOR_MULTILEVEL_REPORT_RELATIVE_HUMIDITY_VERSION_2_V9 0x05
#define SENSOR_MULTILEVEL_REPORT_VELOCITY_VERSION_2_V9 0x06
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V9 0x07
#define SENSOR_MULTILEVEL_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V9 0x08
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V9 0x09
#define SENSOR_MULTILEVEL_REPORT_SOLAR_RADIATION_VERSION_2_V9 0x0A
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V9 0x0B
#define SENSOR_MULTILEVEL_REPORT_RAIN_RATE_VERSION_2_V9 0x0C
#define SENSOR_MULTILEVEL_REPORT_TIDE_LEVEL_VERSION_2_V9 0x0D
#define SENSOR_MULTILEVEL_REPORT_WEIGHT_VERSION_3_V9 0x0E
#define SENSOR_MULTILEVEL_REPORT_VOLTAGE_VERSION_3_V9 0x0F
#define SENSOR_MULTILEVEL_REPORT_CURRENT_VERSION_3_V9 0x10
#define SENSOR_MULTILEVEL_REPORT_CO2_LEVEL_VERSION_3_V9 0x11
#define SENSOR_MULTILEVEL_REPORT_AIR_FLOW_VERSION_3_V9 0x12
#define SENSOR_MULTILEVEL_REPORT_TANK_CAPACITY_VERSION_3_V9 0x13
#define SENSOR_MULTILEVEL_REPORT_DISTANCE_VERSION_3_V9 0x14
#define SENSOR_MULTILEVEL_REPORT_ANGLE_POSITION_VERSION_4_V9 0x15
#define SENSOR_MULTILEVEL_REPORT_ROTATION_V5_V9 0x16
#define SENSOR_MULTILEVEL_REPORT_WATER_TEMPERATURE_V5_V9 0x17
#define SENSOR_MULTILEVEL_REPORT_SOIL_TEMPERATURE_V5_V9 0x18
#define SENSOR_MULTILEVEL_REPORT_SEISMIC_INTENSITY_V5_V9 0x19
#define SENSOR_MULTILEVEL_REPORT_SEISMIC_MAGNITUDE_V5_V9 0x1A
#define SENSOR_MULTILEVEL_REPORT_ULTRAVIOLET_V5_V9 0x1B
#define SENSOR_MULTILEVEL_REPORT_ELECTRICAL_RESISTIVITY_V5_V9 0x1C
#define SENSOR_MULTILEVEL_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V9 0x1D
#define SENSOR_MULTILEVEL_REPORT_LOUDNESS_V5_V9 0x1E
#define SENSOR_MULTILEVEL_REPORT_MOISTURE_V5_V9 0x1F
#define SENSOR_MULTILEVEL_REPORT_FREQUENCY_V6_V9 0x20
#define SENSOR_MULTILEVEL_REPORT_TIME_V6_V9 0x21
#define SENSOR_MULTILEVEL_REPORT_TARGET_TEMPERATURE_V6_V9 0x22
#define SENSOR_MULTILEVEL_REPORT_PARTICULATE_MATTER_2_5_V7_V9 0x23
#define SENSOR_MULTILEVEL_REPORT_FORMALDEHYDE_CH2O_LEVEL_V7_V9 0x24
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#define SENSOR_MULTILEVEL_REPORT_RADON_CONCENTRATION_V7_V9 0x25
#define SENSOR_MULTILEVEL_REPORT_METHANE_DENSITY_CH4_V7_V9 0x26
#define SENSOR_MULTILEVEL_REPORT_VOLATILE_ORGANIC_COMPOUND_V7_V9 0x27
#define SENSOR_MULTILEVEL_REPORT CARBON_MONOXIDE_CO_LEVEL_V7_V9 0x28
#define SENSOR_MULTILEVEL_REPORT_SOIL_HUMIDITY_V7_V9 0x29
#define SENSOR_MULTILEVEL_REPORT_SOIL_REACTIVITY_V7_V9 0x2A
#define SENSOR_MULTILEVEL_REPORT_SOIL_SALINITY_V7_V9 0x2B
#define SENSOR_MULTILEVEL_REPORT_HEART_RATE_V7_V9 0x2C
#define SENSOR_MULTILEVEL_REPORT_BLOOD_PRESSURE_V7_V9 0x2D
#define SENSOR_MULTILEVEL_REPORT_MUSCLE_MASS_V7_V9 0x2E
#define SENSOR_MULTILEVEL_REPORT_FAT_MASS_V7_V9 0x2F
#define SENSOR_MULTILEVEL_REPORT_BONE_MASS_V7_V9 0x30
#define SENSOR_MULTILEVEL_REPORT_TOTAL_BODY_WATER_TBW_V7_V9 0x31
#define SENSOR_MULTILEVEL_REPORT_BASIC_METABOLIC_RATE_BMR_V7_V9 0x32
#define SENSOR_MULTILEVEL_REPORT_BODY_MASS_INDEX_BMI_V7_V9 0x33
#define SENSOR_MULTILEVEL_REPORT_ACCELERATION_X_AXIS_V8_V9 0x34
#define SENSOR_MULTILEVEL_REPORT_ACCELERATION_Y_AXIS_V8_V9 0x35
#define SENSOR_MULTILEVEL_REPORT_ACCELERATION_Z_AXIS_V8_V9 0x36
#define SENSOR_MULTILEVEL_REPORT_SMOKE_DENSITY_V8_V9 0x37
#define SENSOR_MULTILEVEL_REPORT_WATER_FLOW_V9_V9 0x38
#define SENSOR_MULTILEVEL_REPORT_WATER_PRESSURE_V9_V9 0x39
#define SENSOR_MULTILEVEL_REPORT_RF_SIGNAL_STRENGTH_V9_V9 0x3A
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V9 0x37
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK_V9 0x18
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SHIFT_V9 0x03
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_MASK_V9 0x00
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT_V9 0x05
/* Values used for Sensor Multilevel Supported Get Scale command */
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TEMPERATURE_VERSION_1_V9 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_GENERAL_PURPOSE_VALUE_VERSION_1_V9 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LUMINANCE_VERSION_1_V9 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_POWER_VERSION_2_V9 0x04
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RELATIVE_HUMIDITY_VERSION_2_V9 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VELOCITY_VERSION_2_V9 0x06
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DIRECTION_VERSION_2_V9 0x07
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ATMOSPHERIC_PRESSURE_VERSION_2_V9 0x08
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BAROMETRIC_PRESSURE_VERSION_2_V9 0x09
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOLAR_RADIATION_VERSION_2_V9 0x0A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DEW_POINT_VERSION_2_V9 0x0B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RAIN_RATE_VERSION_2_V9 0x0C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIDE_LEVEL_VERSION_2_V9 0x0D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WEIGHT_VERSION_3_V9 0x0E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VOLTAGE_VERSION_3_V9 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CURRENT_VERSION_3_V9 0x10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CO2_LEVEL_VERSION_3_V9 0x11
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_AIR_FLOW_VERSION_3_V9 0x12
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TANK_CAPACITY_VERSION_3_V9 0x13
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DISTANCE_VERSION_3_V9 0x14
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ANGLE_POSITION_VERSION_4_V9 0x15
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ROTATION_V5_V9 0x16
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WATER_TEMPERATURE_V5_V9 0x17
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_TEMPERATURE_V5_V9 0x18
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_INTENSITY_V5_V9 0x19
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_MAGNITUDE_V5_V9 0x1A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ULTRAVIOLET_V5_V9 0x1B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ELECTRICAL_RESISTIVITY_V5_V9 0x1C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ELECTRICAL_CONDUCTIVITY_V5_V9 0x1D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LOUDNESS_V5_V9 0x1E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MOISTURE_V5_V9 0x1F
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FREQUENCY_V6_V9 0x20
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIME_V6_V9 0x21
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TARGET_TEMPERATURE_V6_V9 0x22
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_PARTICULATE_MATTER_2_5_V7_V9 0x23
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FORMALDEHYDE_CH2O_LEVEL_V7_V9 0x24
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RADON_CONCENTRATION_V7_V9 0x25
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_METHANE_DENSITY_CH4_V7_V9 0x26
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VOLATILE_ORGANIC_COMPOUND_V7_V9 0x27
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE CARBON_MONOXIDE_CO_LEVEL_V7_V9 0x28
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_HUMIDITY_V7_V9 0x29
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_REACTIVITY_V7_V9 0x2A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_SALINITY_V7_V9 0x2B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_HEART_RATE_V7_V9 0x2C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BLOOD_PRESSURE_V7_V9 0x2D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MUSCLE_MASS_V7_V9 0x2E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FAT_MASS_V7_V9 0x2F
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BONE_MASS_V7_V9 0x30
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TOTAL_BODY_WATER_TBW_V7_V9 0x31
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BASIC_METABOLIC_RATE_BMR_V7_V9 0x32
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BODY_MASS_INDEX_BMI_V7_V9 0x33
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ACCELERATION_X_AXIS_V8_V9 0x34
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ACCELERATION_Y_AXIS_V8_V9 0x35
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#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ACCELERATION_Z_AXIS_V8_V9 0x36
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SMOKE_DENSITY_V8_V9 0x37
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WATER_FLOW_V9_V9 0x38
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WATER_PRESSURE_V9_V9 0x39
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RF_SIGNAL_STRENGTH_V9_V9 0x3A
/* Values used for Sensor Multilevel Supported Scale Report command */
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TEMPERATURE_VERSION_1_V9 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V9 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LUMINANCE_VERSION_1_V9 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_POWER_VERSION_2_V9 0x04
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RELATIVE_HUMIDITY_VERSION_2_V9 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VELOCITY_VERSION_2_V9 0x06
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DIRECTION_VERSION_2_V9 0x07
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V9 0x08
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V9 0x09
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOLAR_RADIATION_VERSION_2_V9 0x0A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DEW_POINT_VERSION_2_V9 0x0B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RAIN_RATE_VERSION_2_V9 0x0C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIDE_LEVEL_VERSION_2_V9 0x0D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WEIGHT_VERSION_3_V9 0x0E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VOLTAGE_VERSION_3_V9 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CURRENT_VERSION_3_V9 0x10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CO2_LEVEL_VERSION_3_V9 0x11
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_AIR_FLOW_VERSION_3_V9 0x12
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TANK_CAPACITY_VERSION_3_V9 0x13
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_3_V9 0x14
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ANGLE_POSITION_VERSION_4_V9 0x15
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ROTATION_V5_V9 0x16
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WATER_TEMPERATURE_V5_V9 0x17
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_TEMPERATURE_V5_V9 0x18
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_INTENSITY_V5_V9 0x19
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SEISMIC_MAGNITUDE_V5_V9 0x1A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ULTRAVIOLET_V5_V9 0x1B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_RESISTIVITY_V5_V9 0x1C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V9 0x1D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LOUDNESS_V5_V9 0x1E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_MOISTURE_V5_V9 0x1F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_FREQUENCY_V6_V9 0x20
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIME_V6_V9 0x21
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TARGET_TEMPERATURE_V6_V9 0x22
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PARTICULATE_MATTER_2_5_V7_V9 0x23
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_FORMALDEHYDE_CH2O_LEVEL_V7_V9 0x24
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RADON_CONCENTRATION_V7_V9 0x25
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_METHANE_DENSITY_CH4_V7_V9 0x26
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VOLATILE_ORGANIC_COMPOUND_V7_V9 0x27
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT CARBON MONOXIDE_CO_LEVEL_V7_V9 0x28
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT SOIL HUMIDITY_V7_V9 0x29
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT SOIL REACTIVITY_V7_V9 0x2A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT SOIL SALINITY_V7_V9 0x2B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT HEART_RATE_V7_V9 0x2C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT BLOOD PRESSURE_V7_V9 0x2D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT MUSCLE_MASS_V7_V9 0x2E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT FAT_MASS_V7_V9 0x2F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT BONE_MASS_V7_V9 0x30
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT TOTAL_BODY_WATER_TBW_V7_V9 0x31
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT BASIC_METABOLIC_RATE_BMR_V7_V9 0x32
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT BODY_MASS_INDEX_BMI_V7_V9 0x33
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT ACCELERATION_X_AXIS_V8_V9 0x34
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT ACCELERATION_Y_AXIS_V8_V9 0x35
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT ACCELERATION_Z_AXIS_V8_V9 0x36
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT SMOKE_DENSITY_V8_V9 0x37
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT WATER_FLOW_V9_V9 0x38
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT WATER_PRESSURE_V9_V9 0x39
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT RF_SIGNAL_STRENGTH_V9_V9 0x3A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_SCALE_BIT_MASK_MASK_V9 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_MASK_V9 0xF0
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_SHIFT_V9 0x04

/* Sensor Multilevel command class commands */
#define SENSOR_MULTILEVEL_VERSION_V10 0x0A
#define SENSOR_MULTILEVEL_GET_V10 0x04
#define SENSOR_MULTILEVEL_REPORT_V10 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V10 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_V10 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V10 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V10 0x06
/* Values used for Sensor Multilevel Get command */
#define SENSOR_MULTILEVEL_GET_TEMPERATURE_VERSION_1_V10 0x01
#define SENSOR_MULTILEVEL_GET_GENERAL_PURPOSE_VALUE_VERSION_1_V10 0x02
#define SENSOR_MULTILEVEL_GET_LUMINANCE_VERSION_1_V10 0x03
#define SENSOR_MULTILEVEL_GET_POWER_VERSION_2_V10 0x04

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#define SENSOR_MULTILEVEL_GET_RELATIVE_HUMIDITY_VERSION_2_V10 0x05
#define SENSOR_MULTILEVEL_GET_VELOCITY_VERSION_2_V10 0x06
#define SENSOR_MULTILEVEL_GET_DIRECTION_VERSION_2_V10 0x07
#define SENSOR_MULTILEVEL_GET_ATMOSPHERIC_PRESSURE_VERSION_2_V10 0x08
#define SENSOR_MULTILEVEL_GET_BAROMETRIC_PRESSURE_VERSION_2_V10 0x09
#define SENSOR_MULTILEVEL_GET_SOLAR_RADIATION_VERSION_2_V10 0x0A
#define SENSOR_MULTILEVEL_GET_DEW_POINT_VERSION_2_V10 0x0B
#define SENSOR_MULTILEVEL_GET_RAIN_RATE_VERSION_2_V10 0x0C
#define SENSOR_MULTILEVEL_GET_TIDE_LEVEL_VERSION_2_V10 0x0D
#define SENSOR_MULTILEVEL_GET_WEIGHT_VERSION_3_V10 0x0E
#define SENSOR_MULTILEVEL_GET_VOLTAGE_VERSION_3_V10 0x0F
#define SENSOR_MULTILEVEL_GET_CURRENT_VERSION_3_V10 0x10
#define SENSOR_MULTILEVEL_GET_CO2_LEVEL_VERSION_3_V10 0x11
#define SENSOR_MULTILEVEL_GET_AIR_FLOW_VERSION_3_V10 0x12
#define SENSOR_MULTILEVEL_GET_TANK_CAPACITY_VERSION_3_V10 0x13
#define SENSOR_MULTILEVEL_GET_DISTANCE_VERSION_3_V10 0x14
#define SENSOR_MULTILEVEL_GET_ANGLE_POSITION_VERSION_4_V10 0x15
#define SENSOR_MULTILEVEL_GET_ROTATION_V5_V10 0x16
#define SENSOR_MULTILEVEL_GET_WATER_TEMPERATURE_V5_V10 0x17
#define SENSOR_MULTILEVEL_GET_SOIL_TEMPERATURE_V5_V10 0x18
#define SENSOR_MULTILEVEL_GET_SEISMIC_INTENSITY_V5_V10 0x19
#define SENSOR_MULTILEVEL_GET_SEISMIC_MAGNITUDE_V5_V10 0x1A
#define SENSOR_MULTILEVEL_GET_ULTRAVIOLET_V5_V10 0x1B
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_RESISTIVITY_V5_V10 0x1C
#define SENSOR_MULTILEVEL_GET_ELECTRICAL_CONDUCTIVITY_V5_V10 0x1D
#define SENSOR_MULTILEVEL_GET_LOUDNESS_V5_V10 0x1E
#define SENSOR_MULTILEVEL_GET_MOISTURE_V5_V10 0x1F
#define SENSOR_MULTILEVEL_GET_FREQUENCY_V6_V10 0x20
#define SENSOR_MULTILEVEL_GET_TIME_V6_V10 0x21
#define SENSOR_MULTILEVEL_GET_TARGET_TEMPERATURE_V6_V10 0x22
#define SENSOR_MULTILEVEL_GET_PARTICULATE_MATTER_2_5_V7_V10 0x23
#define SENSOR_MULTILEVEL_GET_FORMALDEHYDE_CH2O_LEVEL_V7_V10 0x24
#define SENSOR_MULTILEVEL_GET_RADON_CONCENTRATION_V7_V10 0x25
#define SENSOR_MULTILEVEL_GET_METHANE_DENSITY_CH4_V7_V10 0x26
#define SENSOR_MULTILEVEL_GET_VOLATILE_ORGANIC_COMPOUND_V7_V10 0x27
#define SENSOR_MULTILEVEL_GET CARBON MONOXIDE_CO_LEVEL_V7_V10 0x28
#define SENSOR_MULTILEVEL_GET_SOIL_HUMIDITY_V7_V10 0x29
#define SENSOR_MULTILEVEL_GET_SOIL_REACTIVITY_V7_V10 0x2A
#define SENSOR_MULTILEVEL_GET_SOIL_SALINITY_V7_V10 0x2B
#define SENSOR_MULTILEVEL_GET_HEART_RATE_V7_V10 0x2C
#define SENSOR_MULTILEVEL_GET_BLOOD_PRESSURE_V7_V10 0x2D
#define SENSOR_MULTILEVEL_GET_MUSCLE_MASS_V7_V10 0x2E
#define SENSOR_MULTILEVEL_GET_FAT_MASS_V7_V10 0x2F
#define SENSOR_MULTILEVEL_GET_BONE_MASS_V7_V10 0x30
#define SENSOR_MULTILEVEL_GET_TOTAL_BODY_WATER_TBW_V7_V10 0x31
#define SENSOR_MULTILEVEL_GET_BASIC_METABOLIC_RATE_BMR_V7_V10 0x32
#define SENSOR_MULTILEVEL_GET_BODY_MASS_INDEX_BMI_V7_V10 0x33
#define SENSOR_MULTILEVEL_GET_ACCELERATION_X_AXIS_V8_V10 0x34
#define SENSOR_MULTILEVEL_GET_ACCELERATION_Y_AXIS_V8_V10 0x35
#define SENSOR_MULTILEVEL_GET_ACCELERATION_Z_AXIS_V8_V10 0x36
#define SENSOR_MULTILEVEL_GET_SMOKE_DENSITY_V8_V10 0x37
#define SENSOR_MULTILEVEL_GET_WATER_FLOW_V9_V10 0x38
#define SENSOR_MULTILEVEL_GET_WATER_PRESSURE_V9_V10 0x39
#define SENSOR_MULTILEVEL_GET_RF_SIGNAL_STRENGTH_V9_V10 0x3A
#define SENSOR_MULTILEVEL_GET_PARTICULATE_MATTER_V10_V10 0x3B
#define SENSOR_MULTILEVEL_GET_RESPIRATORY_RATE_V10_V10 0x3C
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED1_MASK_V10 0x07
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_MASK_V10 0x18
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_SCALE_SHIFT_V10 0x03
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_MASK_V10 0xE0
#define SENSOR_MULTILEVEL_GET_PROPERTIES1_RESERVED2_SHIFT_V10 0x05
/* Values used for Sensor Multilevel Report command */
#define SENSOR_MULTILEVEL_REPORT_TEMPERATURE_VERSION_1_V10 0x01
#define SENSOR_MULTILEVEL_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V10 0x02
#define SENSOR_MULTILEVEL_REPORT_LUMINANCE_VERSION_1_V10 0x03
#define SENSOR_MULTILEVEL_REPORT_POWER_VERSION_2_V10 0x04
#define SENSOR_MULTILEVEL_REPORT_RELATIVE_HUMIDITY_VERSION_2_V10 0x05
#define SENSOR_MULTILEVEL_REPORT_VELOCITY_VERSION_2_V10 0x06
#define SENSOR_MULTILEVEL_REPORT_DIRECTION_VERSION_2_V10 0x07
#define SENSOR_MULTILEVEL_REPORT_ATMOSPHERIC_PRESSURE_VERSION_2_V10 0x08
#define SENSOR_MULTILEVEL_REPORT_BAROMETRIC_PRESSURE_VERSION_2_V10 0x09
#define SENSOR_MULTILEVEL_REPORT_SOLAR_RADIATION_VERSION_2_V10 0x0A
#define SENSOR_MULTILEVEL_REPORT_DEW_POINT_VERSION_2_V10 0x0B
#define SENSOR_MULTILEVEL_REPORT_RAIN_RATE_VERSION_2_V10 0x0C
#define SENSOR_MULTILEVEL_REPORT_TIDE_LEVEL_VERSION_2_V10 0x0D
#define SENSOR_MULTILEVEL_REPORT_WEIGHT_VERSION_3_V10 0x0E
#define SENSOR_MULTILEVEL_REPORT_VOLTAGE_VERSION_3_V10 0x0F
#define SENSOR_MULTILEVEL_REPORT_CURRENT_VERSION_3_V10 0x10
#define SENSOR_MULTILEVEL_REPORT_CO2_LEVEL_VERSION_3_V10 0x11
#define SENSOR_MULTILEVEL_REPORT_AIR_FLOW_VERSION_3_V10 0x12
#define SENSOR_MULTILEVEL_REPORT_TANK_CAPACITY_VERSION_3_V10 0x13
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#define SENSOR_MULTILEVEL_REPORT_DISTANCE_VERSION_3_V10 0x14
#define SENSOR_MULTILEVEL_REPORT_ANGLE_POSITION_VERSION_4_V10 0x15
#define SENSOR_MULTILEVEL_REPORT_ROTATION_V5_V10 0x16
#define SENSOR_MULTILEVEL_REPORT_WATER_TEMPERATURE_V5_V10 0x17
#define SENSOR_MULTILEVEL_REPORT_SOIL_TEMPERATURE_V5_V10 0x18
#define SENSOR_MULTILEVEL_REPORT_SEISMIC_INTENSITY_V5_V10 0x19
#define SENSOR_MULTILEVEL_REPORT_SEISMIC_MAGNITUDE_V5_V10 0x1A
#define SENSOR_MULTILEVEL_REPORT_ULTRAVIOLET_V5_V10 0x1B
#define SENSOR_MULTILEVEL_REPORT_ELECTRICAL_RESISTIVITY_V5_V10 0x1C
#define SENSOR_MULTILEVEL_REPORT_ELECTRICAL_CONDUCTIVITY_V5_V10 0x1D
#define SENSOR_MULTILEVEL_REPORT_LOUDNESS_V5_V10 0x1E
#define SENSOR_MULTILEVEL_REPORT_MOISTURE_V5_V10 0x1F
#define SENSOR_MULTILEVEL_REPORT_FREQUENCY_V6_V10 0x20
#define SENSOR_MULTILEVEL_REPORT_TIME_V6_V10 0x21
#define SENSOR_MULTILEVEL_REPORT_TARGET_TEMPERATURE_V6_V10 0x22
#define SENSOR_MULTILEVEL_REPORT_PARTICULATE_MATTER_2_5_V7_V10 0x23
#define SENSOR_MULTILEVEL_REPORT_FORMALDEHYDE_CH2O_LEVEL_V7_V10 0x24
#define SENSOR_MULTILEVEL_REPORT_RADON_CONCENTRATION_V7_V10 0x25
#define SENSOR_MULTILEVEL_REPORT_METHANE_DENSITY_CH4_V7_V10 0x26
#define SENSOR_MULTILEVEL_REPORT_VOLATILE_ORGANIC_COMPOUND_V7_V10 0x27
#define SENSOR_MULTILEVEL_REPORT CARBON MONOXIDE_CO_LEVEL_V7_V10 0x28
#define SENSOR_MULTILEVEL_REPORT_SOIL HUMIDITY_V7_V10 0x29
#define SENSOR_MULTILEVEL_REPORT_SOIL_REACTIVITY_V7_V10 0x2A
#define SENSOR_MULTILEVEL_REPORT_SOIL_SALINITY_V7_V10 0x2B
#define SENSOR_MULTILEVEL_REPORT HEART RATE_V7_V10 0x2C
#define SENSOR_MULTILEVEL_REPORT BLOOD_PRESSURE_V7_V10 0x2D
#define SENSOR_MULTILEVEL_REPORT MUSCLE_MASS_V7_V10 0x2E
#define SENSOR_MULTILEVEL_REPORT FAT_MASS_V7_V10 0x2F
#define SENSOR_MULTILEVEL_REPORT BONE_MASS_V7_V10 0x30
#define SENSOR_MULTILEVEL_REPORT_TOTAL_BODY_WATER_TBW_V7_V10 0x31
#define SENSOR_MULTILEVEL_REPORT_BASIC_METABOLIC_RATE_BMR_V7_V10 0x32
#define SENSOR_MULTILEVEL_REPORT_BODY_MASS_INDEX_BMI_V7_V10 0x33
#define SENSOR_MULTILEVEL_REPORT_ACCELERATION_X_AXIS_V8_V10 0x34
#define SENSOR_MULTILEVEL_REPORT_ACCELERATION_Y_AXIS_V8_V10 0x35
#define SENSOR_MULTILEVEL_REPORT_ACCELERATION_Z_AXIS_V8_V10 0x36
#define SENSOR_MULTILEVEL_REPORT_SMOKE_DENSITY_V8_V10 0x37
#define SENSOR_MULTILEVEL_REPORT_WATER_FLOW_V9_V10 0x38
#define SENSOR_MULTILEVEL_REPORT_WATER_PRESSURE_V9_V10 0x39
#define SENSOR_MULTILEVEL_REPORT_RF_SIGNAL_STRENGTH_V9_V10 0x3A
#define SENSOR_MULTILEVEL_REPORT_PARTICULATE_MATTER_V10_V10 0x3B
#define SENSOR_MULTILEVEL_REPORT_RESPIRATORY_RATE_V10_V10 0x3C
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SIZE_MASK_V10 0x07
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_MASK_V10 0x18
#define SENSOR_MULTILEVEL_REPORT_LEVEL_SCALE_SHIFT_V10 0x03
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_MASK_V10 0xE0
#define SENSOR_MULTILEVEL_REPORT_LEVEL_PRECISION_SHIFT_V10 0x05
/* Values used for Sensor Multilevel Supported Get Scale command */
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TEMPERATURE_VERSION_1_V10 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_GENERAL_PURPOSE_VALUE_VERSION_1_V10 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LUMINANCE_VERSION_1_V10 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_POWER_VERSION_2_V10 0x04
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RELATIVE_HUMIDITY_VERSION_2_V10 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VELOCITY_VERSION_2_V10 0x06
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DIRECTION_VERSION_2_V10 0x07
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ATMOSPHERIC_PRESSURE_VERSION_2_V10 0x08
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BAROMETRIC_PRESSURE_VERSION_2_V10 0x09
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOLAR_RADIATION_VERSION_2_V10 0x0A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DEW_POINT_VERSION_2_V10 0x0B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RAIN_RATE_VERSION_2_V10 0x0C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIDE_LEVEL_VERSION_2_V10 0x0D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WEIGHT_VERSION_3_V10 0x0E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VOLTAGE_VERSION_3_V10 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CURRENT_VERSION_3_V10 0x10
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_CO2_LEVEL_VERSION_3_V10 0x11
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_AIR_FLOW_VERSION_3_V10 0x12
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TANK_CAPACITY_VERSION_3_V10 0x13
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_DISTANCE_VERSION_3_V10 0x14
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ANGLE_POSITION_VERSION_4_V10 0x15
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ROTATION_V5_V10 0x16
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WATER_TEMPERATURE_V5_V10 0x17
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_TEMPERATURE_V5_V10 0x18
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_INTENSITY_V5_V10 0x19
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SEISMIC_MAGNITUDE_V5_V10 0x1A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ULTRAVIOLET_V5_V10 0x1B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ELECTRICAL_RESISTIVITY_V5_V10 0x1C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ELECTRICAL_CONDUCTIVITY_V5_V10 0x1D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_LOUDNESS_V5_V10 0x1E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MOISTURE_V5_V10 0x1F
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FREQUENCY_V6_V10 0x20
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TIME_V6_V10 0x21
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TARGET_TEMPERATURE_V6_V10 0x22
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#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_PARTICULATE_MATTER_2_5_V7_V10 0x23
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FORMALDEHYDE_CH2O_LEVEL_V7_V10 0x24
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RADON_CONCENTRATION_V7_V10 0x25
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_METHANE_DENSITY_CH4_V7_V10 0x26
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_VOLATILE_ORGANIC_COMPOUND_V7_V10 0x27
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE CARBON MONOXIDE_CO_LEVEL_V7_V10 0x28
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_HUMIDITY_V7_V10 0x29
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_REACTIVITY_V7_V10 0x2A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SOIL_SALINITY_V7_V10 0x2B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_HEART_RATE_V7_V10 0x2C
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BLOOD_PRESSURE_V7_V10 0x2D
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_MUSCLE_MASS_V7_V10 0x2E
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_FAT_MASS_V7_V10 0x2F
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BONE_MASS_V7_V10 0x30
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_TOTAL_BODY_WATER_TBW_V7_V10 0x31
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BASIC_METABOLIC_RATE_BMR_V7_V10 0x32
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_BODY_MASS_INDEX_BMI_V7_V10 0x33
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ACCELERATION_X_AXIS_V8_V10 0x34
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ACCELERATION_Y_AXIS_V8_V10 0x35
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_ACCELERATION_Z_AXIS_V8_V10 0x36
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_SMOKE_DENSITY_V8_V10 0x37
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WATER_FLOW_V9_V10 0x38
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_WATER_PRESSURE_V9_V10 0x39
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RF_SIGNAL_STRENGTH_V9_V10 0x3A
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_PARTICULATE_MATTER_V10_V10 0x3B
#define SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_RESPIRATORY_RATE_V10_V10 0x3C
/* Values used for Sensor Multilevel Supported Scale Report command */
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TEMPERATURE_VERSION_1_V10 0x01
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_GENERAL_PURPOSE_VALUE_VERSION_1_V10 0x02
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_LUMINANCE_VERSION_1_V10 0x03
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_POWER_VERSION_2_V10 0x04
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RELATIVE_HUMIDITY_VERSION_2_V10 0x05
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_VELOCITY_VERSION_2_V10 0x06
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DIRECTION_VERSION_2_V10 0x07
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT ATMOSPHERIC_PRESSURE_VERSION_2_V10 0x08
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT BAROMETRIC_PRESSURE_VERSION_2_V10 0x09
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOLAR_RADIATION_VERSION_2_V10 0x0A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT DEW_POINT_VERSION_2_V10 0x0B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RAIN_RATE_VERSION_2_V10 0x0C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TIDE_LEVEL_VERSION_2_V10 0x0D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT WEIGHT_VERSION_3_V10 0x0E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT VOLTAGE_VERSION_3_V10 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_CURRENT_VERSION_3_V10 0x10
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT CO2_LEVEL_VERSION_3_V10 0x11
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT AIR_FLOW_VERSION_3_V10 0x12
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_TANK_CAPACITY_VERSION_3_V10 0x13
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_DISTANCE_VERSION_3_V10 0x14
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ANGLE_POSITION_VERSION_4_V10 0x15
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_ROTATION_V5_V10 0x16
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT WATER_TEMPERATURE_V5_V10 0x17
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT SOIL_TEMPERATURE_V5_V10 0x18
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT SEISMIC_INTENSITY_V5_V10 0x19
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT SEISMIC_MAGNITUDE_V5_V10 0x1A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT ULTRAVIOLET_V5_V10 0x1B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT ELECTRICAL_RESISTIVITY_V5_V10 0x1C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT ELECTRICAL_CONDUCTIVITY_V5_V10 0x1D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT LOUDNESS_V5_V10 0x1E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT MOISTURE_V5_V10 0x1F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT FREQUENCY_V6_V10 0x20
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT TIME_V6_V10 0x21
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT TARGET_TEMPERATURE_V6_V10 0x22
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT PARTICULATE_MATTER_2_5_V7_V10 0x23
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT FORMALDEHYDE_CH2O_LEVEL_V7_V10 0x24
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT RADON_CONCENTRATION_V7_V10 0x25
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT METHANE_DENSITY_CH4_V7_V10 0x26
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT VOLATILE_ORGANIC_COMPOUND_V7_V10 0x27
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT CARBON MONOXIDE_CO_LEVEL_V7_V10 0x28
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_SOIL_HUMIDITY_V7_V10 0x29
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT SOIL_REACTIVITY_V7_V10 0x2A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT SOIL_SALINITY_V7_V10 0x2B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT HEART_RATE_V7_V10 0x2C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT BLOOD_PRESSURE_V7_V10 0x2D
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT MUSCLE_MASS_V7_V10 0x2E
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT FAT_MASS_V7_V10 0x2F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT BONE_MASS_V7_V10 0x30
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT TOTAL_BODY_WATER_TBW_V7_V10 0x31
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_BASIC_METABOLIC_RATE_BMR_V7_V10 0x32
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT BODY_MASS_INDEX_BMI_V7_V10 0x33
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT ACCELERATION_X_AXIS_V8_V10 0x34
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT ACCELERATION_Y_AXIS_V8_V10 0x35
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT ACCELERATION_Z_AXIS_V8_V10 0x36
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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 0x38
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_WATER_PRESSURE_V9_V10 0x39
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RF_SIGNAL_STRENGTH_V9_V10 0x3A
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PARTICULATE_MATTER_V10_V10 0x3B
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_RESPIRATORY_RATE_V10_V10 0x3C
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_SCALE_BIT_MASK_MASK_V10 0x0F
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_MASK_V10 0xF0
#define SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_PROPERTIES1_RESERVED_SHIFT_V10 0x04

/* Silence Alarm command class commands */
#define SILENCE_ALARM_VERSION 0x01
#define SENSOR_ALARM_SET 0x01

/* Simple Av Control command class commands */
#define SIMPLE_AV_CONTROL_VERSION 0x01
#define SIMPLE_AV_CONTROL_GET 0x02
#define SIMPLE_AV_CONTROL_REPORT 0x03
#define SIMPLE_AV_CONTROL_SET 0x01
#define SIMPLE_AV_CONTROL_SUPPORTED_GET 0x04
#define SIMPLE_AV_CONTROL_SUPPORTED_REPORT 0x05
/* Values used for Simple Av Control Set command */
#define SIMPLE_AV_CONTROL_SET_PROPERTIES1_KEY_ATTRIBUTES_MASK 0x07
#define SIMPLE_AV_CONTROL_SET_PROPERTIES1_RESERVED_MASK 0xF8
#define SIMPLE_AV_CONTROL_SET_PROPERTIES1_RESERVED_SHIFT 0x03

/* Switch All command class commands */
#define SWITCH_ALL_VERSION 0x01
#define SWITCH_ALL_GET 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 0x00
#define SWITCH_ALL_REPORT_EXCLUDED_FROM_THE_ALL_ON_FUNCTIONALITY_BUT_NOT_ALL_OFF 0x01
#define SWITCH_ALL_REPORT_EXCLUDED_FROM_THE_ALL_OFF_FUNCTIONALITY_BUT_NOT_ALL_ON 0x02
#define SWITCH_ALL_REPORT_INCLUDED_IN_THE_ALL_ON_ALL_OFF_FUNCTIONALITY 0xFF
/* Values used for Switch All Set command */
#define SWITCH_ALL_SET_EXCLUDED_FROM_THE_ALL_ON_ALL_OFF_FUNCTIONALITY 0x00
#define SWITCH_ALL_SET_EXCLUDED_FROM_THE_ALL_ON_FUNCTIONALITY_BUT_NOT_ALL_OFF 0x01
#define SWITCH_ALL_SET_EXCLUDED_FROM_THE_ALL_OFF_FUNCTIONALITY_BUT_NOT_ALL_ON 0x02
#define SWITCH_ALL_SET_INCLUDED_IN_THE_ALL_ON_ALL_OFF_FUNCTIONALITY 0xFF

/* Switch Binary command class commands */
#define SWITCH_BINARY_VERSION 0x01
#define SWITCH_BINARY_GET 0x02
#define SWITCH_BINARY_REPORT 0x03
#define SWITCH_BINARY_SET 0x01

/* Switch Binary command class commands */
#define SWITCH_BINARY_VERSION_V2 0x02
#define SWITCH_BINARY_GET_V2 0x02
#define SWITCH_BINARY_REPORT_V2 0x03
#define SWITCH_BINARY_SET_V2 0x01
/* Values used for Switch Binary Report command */
#define SWITCH_BINARY_REPORT_OFF_DISABLE_V2 0x00
#define SWITCH_BINARY_REPORT_ON_ENABLE_V2 0xFF
#define SWITCH_BINARY_REPORT_OFF_DISABLE_V2 0x00
#define SWITCH_BINARY_REPORT_ON_ENABLE_V2 0xFF
#define SWITCH_BINARY_REPORT_ALREADY_AT_THE_TARGET_VALUE_V2 0x00
#define SWITCH_BINARY_REPORT_UNKNOWN_DURATION_V2 0xFE
#define SWITCH_BINARY_REPORT_RESERVED_V2 0xFF
/* Values used for Switch Binary Set command */
#define SWITCH_BINARY_SET_OFF_DISABLE_V2 0x00
#define SWITCH_BINARY_SET_ON_ENABLE_V2 0xFF
#define SWITCH_BINARY_SET_INSTANTLY_V2 0x00
#define SWITCH_BINARY_SET_DEFAULT_V2 0xFF

/* Switch Multilevel command class commands */
#define SWITCH_MULTILEVEL_VERSION 0x01
#define SWITCH_MULTILEVEL_GET 0x02
#define SWITCH_MULTILEVEL_REPORT 0x03
#define SWITCH_MULTILEVEL_SET 0x01
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE 0x04
#define SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE 0x05
/* Values used for Switch Multilevel Start Level Change command */
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_RESERVED1_MASK 0x1F
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_IGNORE_START_LEVEL_BIT_MASK 0x20
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_UP_DOWN_BIT_MASK 0x40
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_RESERVED2_BIT_MASK 0x80
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/* Switch Multilevel command class commands */
#define SWITCH_MULTILEVEL_VERSION_V2 0x02
#define SWITCH_MULTILEVEL_GET_V2 0x02
#define SWITCH_MULTILEVEL_REPORT_V2 0x03
#define SWITCH_MULTILEVEL_SET_V2 0x01
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V2 0x04
#define SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V2 0x05
/* Values used for Switch Multilevel Start Level Change command */
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_RESERVED1_MASK_V2 0x1F
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_IGNORE_START_LEVEL_BIT_MASK_V2 0x20
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_BIT_MASK_V2 0x40
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_RESERVED2_BIT_MASK_V2 0x80

/* Switch Multilevel command class commands */
#define SWITCH_MULTILEVEL_VERSION_V3 0x03
#define SWITCH_MULTILEVEL_GET_V3 0x02
#define SWITCH_MULTILEVEL_REPORT_V3 0x03
#define SWITCH_MULTILEVEL_SET_V3 0x01
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V3 0x04
#define SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V3 0x05
#define SWITCH_MULTILEVEL_SUPPORTED_GET_V3 0x06
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_V3 0x07
/* Values used for Switch Multilevel Start Level Change command */
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_RESERVED_MASK_V3 0x07
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_INC_DEC_MASK_V3 0x18
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_INC_DEC_SHIFT_V3 0x03
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_INCREMENT_V3 0x00
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_DECREMENT_V3 0x01
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_RESERVED_V3 0x02
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_NONE_V3 0x03
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_IGNORE_START_LEVEL_BIT_MASK_V3 0x20
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_MASK_V3 0xC0
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_SHIFT_V3 0x06
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_UP_V3 0x00
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_DOWN_V3 0x01
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_RESERVED_V3 0x02
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_NONE_V3 0x03
/* Values used for Switch Multilevel Supported Report command */
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES1_PRIMARY_SWITCH_TYPE_MASK_V3 0x1F
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES1_RESERVED1_MASK_V3 0xE0
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES1_RESERVED1_SHIFT_V3 0x05
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES2_SECONDARY_SWITCH_TYPE_MASK_V3 0x1F
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES2_RESERVED2_MASK_V3 0xE0
#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 0x02
#define SWITCH_MULTILEVEL_REPORT_V4 0x03
#define SWITCH_MULTILEVEL_SET_V4 0x01
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V4 0x04
#define SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V4 0x05
#define SWITCH_MULTILEVEL_SUPPORTED_GET_V4 0x06
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_V4 0x07
/* Values used for Switch Multilevel Report command */
#define SWITCH_MULTILEVEL_REPORT_ALREADY_AT_THE_TARGET_VALUE_V4 0x00
#define SWITCH_MULTILEVEL_REPORT_UNKNOWN_DURATION_V4 0xFE
#define SWITCH_MULTILEVEL_REPORT_RESERVED_V4 0xFF
/* Values used for Switch Multilevel Set command */
#define SWITCH_MULTILEVEL_SET_INSTANTLY_V4 0x00
#define SWITCH_MULTILEVEL_SET_DEFAULT_V4 0xFF
/* Values used for Switch Multilevel Start Level Change command */
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_RESERVED_MASK_V4 0x07
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_INC_DEC_MASK_V4 0x18
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_INC_DEC_SHIFT_V4 0x03
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_INCREMENT_V4 0x00
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_DECREMENT_V4 0x01
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_RESERVED_V4 0x02
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_INC_DEC_NONE_V4 0x03
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_IGNORE_START_LEVEL_BIT_MASK_V4 0x20
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_MASK_V4 0xC0
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_SHIFT_V4 0x06
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_UP_V4 0x00
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_DOWN_V4 0x01
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_RESERVED_V4 0x02
#define SWITCH_MULTILEVEL_START_LEVEL_CHANGE_UP_DOWN_NONE_V4 0x03
/* Values used for Switch Multilevel Supported Report command */
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES1_PRIMARY_SWITCH_TYPE_MASK_V4 0x1F
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES1_RESERVED1_MASK_V4 0xE0
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES1_RESERVED1_SHIFT_V4 0x05

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#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES2_SECONDARY_SWITCH_TYPE_MASK_V4 0x1F
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES2_RESERVED2_MASK_V4 0xE0
#define SWITCH_MULTILEVEL_SUPPORTED_REPORT_PROPERTIES2_RESERVED2_SHIFT_V4 0x05

/* Switch Toggle Binary command class commands */
#define SWITCH_TOGGLE_BINARY_VERSION 0x01
#define SWITCH_TOGGLE_BINARY_SET 0x01
/*SWITCH_TOGGLE_BINARY_SET*/
#define SWITCH_TOGGLE_BINARY_GET 0x02
#define SWITCH_TOGGLE_BINARY_REPORT 0x03

/* Switch Toggle Multilevel command class commands */
#define SWITCH_TOGGLE_MULTILEVEL_VERSION 0x01
#define SWITCH_TOGGLE_MULTILEVEL_SET 0x01
/*SWITCH_TOGGLE_MULTILEVEL_SET*/
#define SWITCH_TOGGLE_MULTILEVEL_GET 0x02
#define SWITCH_TOGGLE_MULTILEVEL_REPORT 0x03
#define SWITCH_TOGGLE_MULTILEVEL_START_LEVEL_CHANGE 0x04
#define SWITCH_TOGGLE_MULTILEVEL_STOP_LEVEL_CHANGE 0x05
/* Values used for Switch Toggle Multilevel Start Level Change command */
#define SWITCH_TOGGLE_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_RESERVED1_MASK 0x1F
#define SWITCH_TOGGLE_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_IGNORE_START_LEVEL_BIT_MASK 0x20
#define SWITCH_TOGGLE_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_RESERVED2_BIT_MASK 0x40
#define SWITCH_TOGGLE_MULTILEVEL_START_LEVEL_CHANGE_LEVEL_ROLL_OVER_BIT_MASK 0x80

/* Tariff Config command class commands */
#define TARIFF_CONFIG_VERSION 0x01
#define TARIFF_TBL_REMOVE 0x03
#define TARIFF_TBL_SET 0x02
#define TARIFF_TBL_SUPPLIER_SET 0x01
/* Values used for Tariff Tbl Remove command */
#define TARIFF_TBL_REMOVE_PROPERTIES1_RATE_PARAMETER_SET_IDS_MASK 0x3F
#define TARIFF_TBL_REMOVE_PROPERTIES1_RESERVED_MASK 0xC0
#define TARIFF_TBL_REMOVE_PROPERTIES1_RESERVED_SHIFT 0x06
/* Values used for Tariff Tbl Set command */
#define TARIFF_TBL_SET_PROPERTIES1_RESERVED_MASK 0x1F
#define TARIFF_TBL_SET_PROPERTIES1_TARIFF_PRECISION_MASK 0xE0
#define TARIFF_TBL_SET_PROPERTIES1_TARIFF_PRECISION_SHIFT 0x05
/* Values used for Tariff Tbl Supplier Set command */
#define TARIFF_TBL_SUPPLIER_SET_PROPERTIES1_STANDING_CHARGE_PERIOD_MASK 0x1F
#define TARIFF_TBL_SUPPLIER_SET_PROPERTIES1_STANDING_CHARGE_PRECISION_MASK 0xE0
#define TARIFF_TBL_SUPPLIER_SET_PROPERTIES1_STANDING_CHARGE_PRECISION_SHIFT 0x05
#define TARIFF_TBL_SUPPLIER_SET_PROPERTIES2_NUMBER_OF_SUPPLIER_CHARACTERS_MASK 0x1F
#define TARIFF_TBL_SUPPLIER_SET_PROPERTIES2_RESERVED_MASK 0xE0
#define TARIFF_TBL_SUPPLIER_SET_PROPERTIES2_RESERVED_SHIFT 0x05

/* Tariff Tbl Monitor command class commands */
#define TARIFF_TBL_MONITOR_VERSION 0x01
#define TARIFF_TBL_COST_GET 0x05
#define TARIFF_TBL_COST_REPORT 0x06
#define TARIFF_TBL_GET 0x03
#define TARIFF_TBL_REPORT 0x04
#define TARIFF_TBL_SUPPLIER_GET 0x01
#define TARIFF_TBL_SUPPLIER_REPORT 0x02
/* Values used for Tariff Tbl Cost Report command */
#define TARIFF_TBL_COST_REPORT_PROPERTIES1_RATE_TYPE_MASK 0x03
#define TARIFF_TBL_COST_REPORT_PROPERTIES1_RESERVED1_MASK 0xFC
#define TARIFF_TBL_COST_REPORT_PROPERTIES1_RESERVED1_SHIFT 0x02
#define TARIFF_TBL_COST_REPORT_PROPERTIES2_RESERVED2_MASK 0x1F
#define TARIFF_TBL_COST_REPORT_PROPERTIES2_COST_PRECISION_MASK 0xE0
#define TARIFF_TBL_COST_REPORT_PROPERTIES2_COST_PRECISION_SHIFT 0x05
/* Values used for Tariff Tbl Report command */
#define TARIFF_TBL_REPORT_PROPERTIES1_RESERVED_MASK 0x1F
#define TARIFF_TBL_REPORT_PROPERTIES1_TARIFF_PRECISION_MASK 0xE0
#define TARIFF_TBL_REPORT_PROPERTIES1_TARIFF_PRECISION_SHIFT 0x05
/* Values used for Tariff Tbl Supplier Report command */
#define TARIFF_TBL_SUPPLIER_REPORT_PROPERTIES1_STANDING_CHARGE_PERIOD_MASK 0x1F
#define TARIFF_TBL_SUPPLIER_REPORT_PROPERTIES1_STANDING_CHARGE_PRECISION_MASK 0xE0
#define TARIFF_TBL_SUPPLIER_REPORT_PROPERTIES1_STANDING_CHARGE_PRECISION_SHIFT 0x05
#define TARIFF_TBL_SUPPLIER_REPORT_PROPERTIES2_NUMBER_OF_SUPPLIER_CHARACTERS_MASK 0x1F
#define TARIFF_TBL_SUPPLIER_REPORT_PROPERTIES2_RESERVED_MASK 0xE0
#define TARIFF_TBL_SUPPLIER_REPORT_PROPERTIES2_RESERVED_SHIFT 0x05

/* Thermostat Fan Mode command class commands */
#define THERMOSTAT_FAN_MODE_VERSION 0x01
#define THERMOSTAT_FAN_MODE_GET 0x02
#define THERMOSTAT_FAN_MODE_REPORT 0x03
#define THERMOSTAT_FAN_MODE_SET 0x01
#define THERMOSTAT_FAN_MODE_SUPPORTED_GET 0x04
#define THERMOSTAT_FAN_MODE_SUPPORTED_REPORT 0x05
/* Values used for Thermostat Fan Mode Report command */

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#define THERMOSTAT_FAN_MODE_REPORT_LEVEL_FAN_MODE_MASK 0x0F
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_AUTO_LOW 0x00
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_LOW 0x01
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_AUTO_HIGH 0x02
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_HIGH 0x03
#define THERMOSTAT_FAN_MODE_REPORT_LEVEL_RESERVED_MASK 0xF0
#define THERMOSTAT_FAN_MODE_REPORT_LEVEL_RESERVED_SHIFT 0x04
/* Values used for Thermostat Fan Mode Set command */
#define THERMOSTAT_FAN_MODE_SET_LEVEL_FAN_MODE_MASK 0x0F
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_AUTO_LOW 0x00
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_LOW 0x01
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_AUTO_HIGH 0x02
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_HIGH 0x03
#define THERMOSTAT_FAN_MODE_SET_LEVEL_RESERVED_MASK 0xF0
#define THERMOSTAT_FAN_MODE_SET_LEVEL_RESERVED_SHIFT 0x04

/* Thermostat Fan Mode command class commands */
#define THERMOSTAT_FAN_MODE_VERSION_V2 0x02
#define THERMOSTAT_FAN_MODE_GET_V2 0x02
#define THERMOSTAT_FAN_MODE_REPORT_V2 0x03
#define THERMOSTAT_FAN_MODE_SET_V2 0x01
#define THERMOSTAT_FAN_MODE_SUPPORTED_GET_V2 0x04
#define THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_V2 0x05
/* Values used for Thermostat Fan Mode Report command */
#define THERMOSTAT_FAN_MODE_REPORT_LEVEL_FAN_MODE_MASK_V2 0x0F
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_AUTO_LOW_V2 0x00
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_LOW_V2 0x01
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_AUTO_HIGH_V2 0x02
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_HIGH_V2 0x03
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_AUTO_MEDIUM_V2 0x04
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_MEDIUM_V2 0x05
#define THERMOSTAT_FAN_MODE_REPORT_LEVEL_RESERVED_MASK_V2 0xF0
#define THERMOSTAT_FAN_MODE_REPORT_LEVEL_RESERVED_SHIFT_V2 0x04
/* Values used for Thermostat Fan Mode Set command */
#define THERMOSTAT_FAN_MODE_SET_LEVEL_FAN_MODE_MASK_V2 0x0F
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_AUTO_LOW_V2 0x00
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_LOW_V2 0x01
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_AUTO_HIGH_V2 0x02
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_HIGH_V2 0x03
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_AUTO_MEDIUM_V2 0x04
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_MEDIUM_V2 0x05
#define THERMOSTAT_FAN_MODE_SET_LEVEL_RESERVED_MASK_V2 0x70
#define THERMOSTAT_FAN_MODE_SET_LEVEL_RESERVED_SHIFT_V2 0x04
#define THERMOSTAT_FAN_MODE_SET_LEVEL_OFF_BIT_MASK_V2 0x80

/* Thermostat Fan Mode command class commands */
#define THERMOSTAT_FAN_MODE_VERSION_V3 0x03
#define THERMOSTAT_FAN_MODE_GET_V3 0x02
#define THERMOSTAT_FAN_MODE_REPORT_V3 0x03
#define THERMOSTAT_FAN_MODE_SET_V3 0x01
#define THERMOSTAT_FAN_MODE_SUPPORTED_GET_V3 0x04
#define THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_V3 0x05
/* Values used for Thermostat Fan Mode Report command */
#define THERMOSTAT_FAN_MODE_REPORT_PROPERTIES1_FAN_MODE_MASK_V3 0x0F
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_AUTO_LOW_V3 0x00
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_LOW_V3 0x01
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_AUTO_HIGH_V3 0x02
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_HIGH_V3 0x03
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_AUTO_MEDIUM_V3 0x04
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_MEDIUM_V3 0x05
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_CIRCULATION_V3 0x06
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_HUMIDITY_V3 0x07
#define THERMOSTAT_FAN_MODE_REPORT_PROPERTIES1_RESERVED_MASK_V3 0x70
#define THERMOSTAT_FAN_MODE_REPORT_PROPERTIES1_RESERVED_SHIFT_V3 0x04
#define THERMOSTAT_FAN_MODE_REPORT_PROPERTIES1_OFF_BIT_MASK_V3 0x80
/* Values used for Thermostat Fan Mode Set command */
#define THERMOSTAT_FAN_MODE_SET_PROPERTIES1_FAN_MODE_MASK_V3 0x0F
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_AUTO_LOW_V3 0x00
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_LOW_V3 0x01
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_AUTO_HIGH_V3 0x02
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_HIGH_V3 0x03
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_AUTO_MEDIUM_V3 0x04
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_MEDIUM_V3 0x05
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_CIRCULATION_V3 0x06
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_HUMIDITY_V3 0x07
#define THERMOSTAT_FAN_MODE_SET_PROPERTIES1_RESERVED_MASK_V3 0x70
#define THERMOSTAT_FAN_MODE_SET_PROPERTIES1_RESERVED_SHIFT_V3 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

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#define THERMOSTAT_FAN_MODE_GET_V4 0x02
#define THERMOSTAT_FAN_MODE_REPORT_V4 0x03
#define THERMOSTAT_FAN_MODE_SET_V4 0x01
#define THERMOSTAT_FAN_MODE_SUPPORTED_GET_V4 0x04
#define THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_V4 0x05
/* Values used for Thermostat Fan Mode Report command */
#define THERMOSTAT_FAN_MODE_REPORT_PROPERTIES1_FAN_MODE_MASK_V4 0x0F
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_AUTO_LOW_V4 0x00
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_LOW_V4 0x01
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_AUTO_HIGH_V4 0x02
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_HIGH_V4 0x03
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_AUTO_MEDIUM_V4 0x04
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_MEDIUM_V4 0x05
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_CIRCULATION_V4 0x06
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_HUMIDITY_V4 0x07
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_LEFT_RIGHT_V4 0x08
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_UP_DOWN_V4 0x09
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_QUIET_V4 0x0A
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_RESERVEDB_V4 0x0B
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_RESERVEDC_V4 0x0C
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_RESERVEDD_V4 0x0D
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_RESERVED_E_V4 0x0E
#define THERMOSTAT_FAN_MODE_REPORT_FAN_MODE_RESERVEDF_V4 0x0F
#define THERMOSTAT_FAN_MODE_REPORT_PROPERTIES1_RESERVED_MASK_V4 0x70
#define THERMOSTAT_FAN_MODE_REPORT_PROPERTIES1_RESERVED_SHIFT_V4 0x4
#define THERMOSTAT_FAN_MODE_REPORT_PROPERTIES1_OFF_BIT_MASK_V4 0x80
/* Values used for Thermostat Fan Mode Set command */
#define THERMOSTAT_FAN_MODE_SET_PROPERTIES1_FAN_MODE_MASK_V4 0x0F
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_AUTO_LOW_V4 0x00
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_LOW_V4 0x01
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_AUTO_HIGH_V4 0x02
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_HIGH_V4 0x03
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_AUTO_MEDIUM_V4 0x04
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_MEDIUM_V4 0x05
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_CIRCULATION_V4 0x06
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_HUMIDITY_V4 0x07
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_LEFT_RIGHT_V4 0x08
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_UP_DOWN_V4 0x09
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_QUIET_V4 0x0A
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_RESERVEDB_V4 0x0B
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_RESERVEDC_V4 0x0C
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_RESERVEDD_V4 0x0D
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_RESERVED_E_V4 0x0E
#define THERMOSTAT_FAN_MODE_SET_FAN_MODE_RESERVEDF_V4 0x0F
#define THERMOSTAT_FAN_MODE_SET_PROPERTIES1_RESERVED_MASK_V4 0x70
#define THERMOSTAT_FAN_MODE_SET_PROPERTIES1_RESERVED_SHIFT_V4 0x4
#define THERMOSTAT_FAN_MODE_SET_PROPERTIES1_OFF_BIT_MASK_V4 0x80

/* Thermostat Fan State command class commands */
#define THERMOSTAT_FAN_STATE_VERSION 0x01
#define THERMOSTAT_FAN_STATE_GET 0x02
#define THERMOSTAT_FAN_STATE_REPORT 0x03
/* Values used for Thermostat Fan State Report command */
#define THERMOSTAT_FAN_STATE_REPORT_LEVEL_FAN_OPERATING_STATE_MASK 0x0F
#define THERMOSTAT_FAN_STATE_REPORT_FAN_OPERATING_STATE_IDLE 0x00
#define THERMOSTAT_FAN_STATE_REPORT_FAN_OPERATING_STATE_RUNNING 0x01
#define THERMOSTAT_FAN_STATE_REPORT_LEVEL_RESERVED_MASK 0xF0
#define THERMOSTAT_FAN_STATE_REPORT_LEVEL_RESERVED_SHIFT 0x04

/* Thermostat Fan State command class commands */
#define THERMOSTAT_FAN_STATE_VERSION_V2 0x02
#define THERMOSTAT_FAN_STATE_GET_V2 0x02
#define THERMOSTAT_FAN_STATE_REPORT_V2 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_FAN_OPERATING_STATE_IDLE_V2 0x00
#define THERMOSTAT_FAN_STATE_REPORT_FAN_OPERATING_STATE_RUNNING_V2 0x01
#define THERMOSTAT_FAN_STATE_REPORT_FAN_OPERATING_STATE_RUNNING_HIGH_V2 0x02
#define THERMOSTAT_FAN_STATE_REPORT_FAN_OPERATING_STATE_RUNNING_MEDIUM_V2 0x03
#define THERMOSTAT_FAN_STATE_REPORT_FAN_OPERATING_STATE_CIRCULATION_V2 0x04
#define THERMOSTAT_FAN_STATE_REPORT_FAN_OPERATING_STATE_HUMIDITY_CIRCULATION_V2 0x05
#define THERMOSTAT_FAN_STATE_REPORT_FAN_OPERATING_STATE_RIGHT_LEFT_CIRCULATION_V2 0x06
#define THERMOSTAT_FAN_STATE_REPORT_FAN_OPERATING_STATE_UP_DOWN_CIRCULATION_V2 0x07
#define THERMOSTAT_FAN_STATE_REPORT_FAN_OPERATING_STATE_QUIET_CIRCULATION_V2 0x08
#define THERMOSTAT_FAN_STATE_REPORT_LEVEL_RESERVED_MASK_V2 0xF0
#define THERMOSTAT_FAN_STATE_REPORT_LEVEL_RESERVED_SHIFT_V2 0x04

/* Thermostat Heating command class commands */
#define THERMOSTAT_HEATING_VERSION 0x01
#define THERMOSTAT_HEATING_STATUS_REPORT 0x0D
#define THERMOSTAT_HEATING_MODE_GET 0x02
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#define THERMOSTAT_HEATING_MODE_REPORT 0x03
#define THERMOSTAT_HEATING_MODE_SET 0x01
#define THERMOSTAT_HEATING_RELAY_STATUS_GET 0x09
#define THERMOSTAT_HEATING_RELAY_STATUS_REPORT 0x0A
#define THERMOSTAT_HEATING_SETPOINT_GET 0x05
#define THERMOSTAT_HEATING_SETPOINT_REPORT 0x06
#define THERMOSTAT_HEATING_SETPOINT_SET 0x04
#define THERMOSTAT_HEATING_STATUS_GET 0x0C
#define THERMOSTAT_HEATING_STATUS_SET 0x0B
#define THERMOSTAT_HEATING_TIMED_OFF_SET 0x11
/* Values used for Thermostat Heating Status Report command */
#define THERMOSTAT_HEATING_STATUS_REPORT_HEATING 0x00
#define THERMOSTAT_HEATING_STATUS_REPORT_COOLING 0x01
/* Values used for Thermostat Heating Mode Report command */
#define THERMOSTAT_HEATING_MODE_REPORT_OFF 0x00
#define THERMOSTAT_HEATING_MODE_REPORT_OFF_TIMED 0x01
#define THERMOSTAT_HEATING_MODE_REPORT_OFF_3_HOURS 0x02
#define THERMOSTAT_HEATING_MODE_REPORT_ANTI_FREEZE 0x03
#define THERMOSTAT_HEATING_MODE_REPORT_MANUAL 0x04
#define THERMOSTAT_HEATING_MODE_REPORT_TEMPORARY_MANUAL 0x05
#define THERMOSTAT_HEATING_MODE_REPORT_AUTOMATIC 0x06
#define THERMOSTAT_HEATING_MODE_REPORT_MANUAL_TIMED 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 0x02
#define THERMOSTAT_HEATING_MODE_SET_ANTI_FREEZE 0x03
#define THERMOSTAT_HEATING_MODE_SET_MANUAL 0x04
#define THERMOSTAT_HEATING_MODE_SET_TEMPORARY_MANUAL 0x05
#define THERMOSTAT_HEATING_MODE_SET_AUTOMATIC 0x06
#define THERMOSTAT_HEATING_MODE_SET_MANUAL_TIMED 0x07
/* Values used for Thermostat Heating Relay Status Report command */
#define THERMOSTAT_HEATING_RELAY_STATUS_REPORT_OFF 0x00
#define THERMOSTAT_HEATING_RELAY_STATUS_REPORT_ON 0x01
/* Values used for Thermostat Heating Setpoint Report command */
#define THERMOSTAT_HEATING_SETPOINT_REPORT_PROPERTIES1_SIZE_MASK 0x07
#define THERMOSTAT_HEATING_SETPOINT_REPORT_PROPERTIES1_SCALE_MASK 0x18
#define THERMOSTAT_HEATING_SETPOINT_REPORT_PROPERTIES1_SCALE_SHIFT 0x03
#define THERMOSTAT_HEATING_SETPOINT_REPORT_PROPERTIES1_PRECISION_MASK 0xE0
#define THERMOSTAT_HEATING_SETPOINT_REPORT_PROPERTIES1_PRECISION_SHIFT 0x05
/* Values used for Thermostat Heating Setpoint Set command */
#define THERMOSTAT_HEATING_SETPOINT_SET_PROPERTIES1_SIZE_MASK 0x07
#define THERMOSTAT_HEATING_SETPOINT_SET_PROPERTIES1_SCALE_MASK 0x18
#define THERMOSTAT_HEATING_SETPOINT_SET_PROPERTIES1_SCALE_SHIFT 0x03
#define THERMOSTAT_HEATING_SETPOINT_SET_PROPERTIES1_PRECISION_MASK 0xE0
#define THERMOSTAT_HEATING_SETPOINT_SET_PROPERTIES1_PRECISION_SHIFT 0x05
/* Values used for Thermostat Heating Status Set command */
#define THERMOSTAT_HEATING_STATUS_SET_HEATING 0x00
#define THERMOSTAT_HEATING_STATUS_SET_COOLING 0x01

/* Thermostat Mode command class commands */
#define THERMOSTAT_MODE_VERSION 0x01
#define THERMOSTAT_MODE_GET 0x02
#define THERMOSTAT_MODE_REPORT 0x03
#define THERMOSTAT_MODE_SET 0x01
#define THERMOSTAT_MODE_SUPPORTED_GET 0x04
#define THERMOSTAT_MODE_SUPPORTED_REPORT 0x05
/* Values used for Thermostat Mode Report command */
#define THERMOSTAT_MODE_REPORT_LEVEL_MODE_MASK 0x1F
#define THERMOSTAT_MODE_REPORT_MODE_OFF 0x00
#define THERMOSTAT_MODE_REPORT_MODE_HEAT 0x01
#define THERMOSTAT_MODE_REPORT_MODE_COOL 0x02
#define THERMOSTAT_MODE_REPORT_MODE_AUTO 0x03
#define THERMOSTAT_MODE_REPORT_MODE_AUXILIARY_HEAT 0x04
#define THERMOSTAT_MODE_REPORT_MODE_RESUME 0x05
#define THERMOSTAT_MODE_REPORT_MODE_FAN_ONLY 0x06
#define THERMOSTAT_MODE_REPORT_MODE_FURNACE 0x07
#define THERMOSTAT_MODE_REPORT_MODE_DRY_AIR 0x08
#define THERMOSTAT_MODE_REPORT_MODE_MOIST_AIR 0x09
#define THERMOSTAT_MODE_REPORT_MODE_AUTO_CHANGEOVER 0x0A
#define THERMOSTAT_MODE_REPORT_LEVEL_RESERVED_MASK 0xE0
#define THERMOSTAT_MODE_REPORT_LEVEL_RESERVED_SHIFT 0x05
/* Values used for Thermostat Mode Set command */
#define THERMOSTAT_MODE_SET_LEVEL_MODE_MASK 0x1F
#define THERMOSTAT_MODE_SET_MODE_OFF 0x00
#define THERMOSTAT_MODE_SET_MODE_HEAT 0x01
#define THERMOSTAT_MODE_SET_MODE_COOL 0x02
#define THERMOSTAT_MODE_SET_MODE_AUTO 0x03
#define THERMOSTAT_MODE_SET_MODE_AUXILIARY_HEAT 0x04
#define THERMOSTAT_MODE_SET_MODE_RESUME 0x05
#define THERMOSTAT_MODE_SET_MODE_FAN_ONLY 0x06
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#define THERMOSTAT_MODE_SET_MODE_FURNACE 0x07
#define THERMOSTAT_MODE_SET_MODE_DRY_AIR 0x08
#define THERMOSTAT_MODE_SET_MODE_MOIST_AIR 0x09
#define THERMOSTAT_MODE_SET_MODE_AUTO_CHANGEOVER 0x0A
#define THERMOSTAT_MODE_SET_LEVEL_RESERVED_MASK 0xE0
#define THERMOSTAT_MODE_SET_LEVEL_RESERVED_SHIFT 0x05

/* Thermostat Mode command class commands */
#define THERMOSTAT_MODE_VERSION_V2 0x02
#define THERMOSTAT_MODE_GET_V2 0x02
#define THERMOSTAT_MODE_REPORT_V2 0x03
#define THERMOSTAT_MODE_SET_V2 0x01
#define THERMOSTAT_MODE_SUPPORTED_GET_V2 0x04
#define THERMOSTAT_MODE_SUPPORTED_REPORT_V2 0x05
/* Values used for Thermostat Mode Report command */
#define THERMOSTAT_MODE_REPORT_LEVEL_MODE_MASK_V2 0x1F
#define THERMOSTAT_MODE_REPORT_MODE_OFF_V2 0x00
#define THERMOSTAT_MODE_REPORT_MODE_HEAT_V2 0x01
#define THERMOSTAT_MODE_REPORT_MODE_COOL_V2 0x02
#define THERMOSTAT_MODE_REPORT_MODE_AUTO_V2 0x03
#define THERMOSTAT_MODE_REPORT_MODE_AUXILIARY_HEAT_V2 0x04
#define THERMOSTAT_MODE_REPORT_MODE_RESUME_V2 0x05
#define THERMOSTAT_MODE_REPORT_MODE_FAN_ONLY_V2 0x06
#define THERMOSTAT_MODE_REPORT_MODE_FURNACE_V2 0x07
#define THERMOSTAT_MODE_REPORT_MODE_DRY_AIR_V2 0x08
#define THERMOSTAT_MODE_REPORT_MODE_MOIST_AIR_V2 0x09
#define THERMOSTAT_MODE_REPORT_MODE_AUTO_CHANGEOVER_V2 0x0A
#define THERMOSTAT_MODE_REPORT_MODE_ENERGY_SAVE_HEAT_V2 0x0B
#define THERMOSTAT_MODE_REPORT_MODE_ENERGY_SAVE_COOL_V2 0x0C
#define THERMOSTAT_MODE_REPORT_MODE_AWAY_V2 0x0D
#define THERMOSTAT_MODE_REPORT_LEVEL_RESERVED_MASK_V2 0xE0
#define THERMOSTAT_MODE_REPORT_LEVEL_RESERVED_SHIFT_V2 0x05
/* Values used for Thermostat Mode Set command */
#define THERMOSTAT_MODE_SET_LEVEL_MODE_MASK_V2 0x1F
#define THERMOSTAT_MODE_SET_MODE_OFF_V2 0x00
#define THERMOSTAT_MODE_SET_MODE_HEAT_V2 0x01
#define THERMOSTAT_MODE_SET_MODE_COOL_V2 0x02
#define THERMOSTAT_MODE_SET_MODE_AUTO_V2 0x03
#define THERMOSTAT_MODE_SET_MODE_AUXILIARY_HEAT_V2 0x04
#define THERMOSTAT_MODE_SET_MODE_RESUME_V2 0x05
#define THERMOSTAT_MODE_SET_MODE_FAN_ONLY_V2 0x06
#define THERMOSTAT_MODE_SET_MODE_FURNACE_V2 0x07
#define THERMOSTAT_MODE_SET_MODE_DRY_AIR_V2 0x08
#define THERMOSTAT_MODE_SET_MODE_MOIST_AIR_V2 0x09
#define THERMOSTAT_MODE_SET_MODE_AUTO_CHANGEOVER_V2 0x0A
#define THERMOSTAT_MODE_SET_MODE_ENERGY_SAVE_HEAT_V2 0x0B
#define THERMOSTAT_MODE_SET_MODE_ENERGY_SAVE_COOL_V2 0x0C
#define THERMOSTAT_MODE_SET_MODE_AWAY_V2 0x0D
#define THERMOSTAT_MODE_SET_LEVEL_RESERVED_MASK_V2 0xE0
#define THERMOSTAT_MODE_SET_LEVEL_RESERVED_SHIFT_V2 0x05

/* Thermostat Mode command class commands */
#define THERMOSTAT_MODE_VERSION_V3 0x03
#define THERMOSTAT_MODE_GET_V3 0x02
#define THERMOSTAT_MODE_REPORT_V3 0x03
#define THERMOSTAT_MODE_SET_V3 0x01
#define THERMOSTAT_MODE_SUPPORTED_GET_V3 0x04
#define THERMOSTAT_MODE_SUPPORTED_REPORT_V3 0x05
/* Values used for Thermostat Mode Report command */
#define THERMOSTAT_MODE_REPORT_LEVEL_MODE_MASK_V3 0x1F
#define THERMOSTAT_MODE_REPORT_MODE_OFF_V3 0x00
#define THERMOSTAT_MODE_REPORT_MODE_HEAT_V3 0x01
#define THERMOSTAT_MODE_REPORT_MODE_COOL_V3 0x02
#define THERMOSTAT_MODE_REPORT_MODE_AUTO_V3 0x03
#define THERMOSTAT_MODE_REPORT_MODE_AUXILIARY_HEAT_V3 0x04
#define THERMOSTAT_MODE_REPORT_MODE_RESUME_V3 0x05
#define THERMOSTAT_MODE_REPORT_MODE_FAN_ONLY_V3 0x06
#define THERMOSTAT_MODE_REPORT_MODE_FURNACE_V3 0x07
#define THERMOSTAT_MODE_REPORT_MODE_DRY_AIR_V3 0x08
#define THERMOSTAT_MODE_REPORT_MODE_MOIST_AIR_V3 0x09
#define THERMOSTAT_MODE_REPORT_MODE_AUTO_CHANGEOVER_V3 0x0A
#define THERMOSTAT_MODE_REPORT_MODE_ENERGY_SAVE_HEAT_V3 0x0B
#define THERMOSTAT_MODE_REPORT_MODE_ENERGY_SAVE_COOL_V3 0x0C
#define THERMOSTAT_MODE_REPORT_MODE_AWAY_V3 0x0D
#define THERMOSTAT_MODE_REPORT_MODE_RESERVED_V3 0x0E
#define THERMOSTAT_MODE_REPORT_MODE_FULL_POWER_V3 0x0F
#define THERMOSTAT_MODE_REPORT_MODE_RESERVED0_V3 0x10
#define THERMOSTAT_MODE_REPORT_MODE_RESERVED1_V3 0x11
#define THERMOSTAT_MODE_REPORT_MODE_RESERVED2_V3 0x12
#define THERMOSTAT_MODE_REPORT_MODE_RESERVED3_V3 0x13
#define THERMOSTAT_MODE_REPORT_MODE_RESERVED4_V3 0x14
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#define THERMOSTAT_MODE_REPORT_MODE_RESERVED5_V3 0x15
#define THERMOSTAT_MODE_REPORT_MODE_RESERVED6_V3 0x16
#define THERMOSTAT_MODE_REPORT_MODE_RESERVED7_V3 0x17
#define THERMOSTAT_MODE_REPORT_MODE_RESERVED8_V3 0x18
#define THERMOSTAT_MODE_REPORT_MODE_RESERVED9_V3 0x19
#define THERMOSTAT_MODE_REPORT_MODE_RESERVEDA_V3 0x1A
#define THERMOSTAT_MODE_REPORT_MODE_RESERVEDB_V3 0x1B
#define THERMOSTAT_MODE_REPORT_MODE_RESERVEDC_V3 0x1C
#define THERMOSTAT_MODE_REPORT_MODE_RESERVEDD_V3 0x1D
#define THERMOSTAT_MODE_REPORT_MODE_RESERVED_E_V3 0x1E
#define THERMOSTAT_MODE_REPORT_MODE_MANUFACTURER_SPECIFIC_V3 0x1F
#define THERMOSTAT_MODE_REPORT_LEVEL_NO_OF_MANUFACTURER_DATA_FIELDS_MASK_V3 0xE0
#define THERMOSTAT_MODE_REPORT_LEVEL_NO_OF_MANUFACTURER_DATA_FIELDS_SHIFT_V3 0x05
/* Values used for Thermostat Mode Set command */
#define THERMOSTAT_MODE_SET_LEVEL_MODE_MASK_V3 0x1F
#define THERMOSTAT_MODE_SET_MODE_OFF_V3 0x00
#define THERMOSTAT_MODE_SET_MODE_HEAT_V3 0x01
#define THERMOSTAT_MODE_SET_MODE_COOL_V3 0x02
#define THERMOSTAT_MODE_SET_MODE_AUTO_V3 0x03
#define THERMOSTAT_MODE_SET_MODE_AUXILIARY_HEAT_V3 0x04
#define THERMOSTAT_MODE_SET_MODE_RESUME_V3 0x05
#define THERMOSTAT_MODE_SET_MODE_FAN_ONLY_V3 0x06
#define THERMOSTAT_MODE_SET_MODE_FURNACE_V3 0x07
#define THERMOSTAT_MODE_SET_MODE_DRY_AIR_V3 0x08
#define THERMOSTAT_MODE_SET_MODE_MOIST_AIR_V3 0x09
#define THERMOSTAT_MODE_SET_MODE_AUTO_CHANGE_OVER_V3 0x0A
#define THERMOSTAT_MODE_SET_MODE_ENERGY_SAVE_HEAT_V3 0x0B
#define THERMOSTAT_MODE_SET_MODE_ENERGY_SAVE_COOL_V3 0x0C
#define THERMOSTAT_MODE_SET_MODE_AWAY_V3 0x0D
#define THERMOSTAT_MODE_SET_MODE_RESERVED_V3 0x0E
#define THERMOSTAT_MODE_SET_MODE_FULL_POWER_V3 0x0F
#define THERMOSTAT_MODE_SET_MODE_RESERVED0_V3 0x10
#define THERMOSTAT_MODE_SET_MODE_RESERVED1_V3 0x11
#define THERMOSTAT_MODE_SET_MODE_RESERVED2_V3 0x12
#define THERMOSTAT_MODE_SET_MODE_RESERVED3_V3 0x13
#define THERMOSTAT_MODE_SET_MODE_RESERVED4_V3 0x14
#define THERMOSTAT_MODE_SET_MODE_RESERVED5_V3 0x15
#define THERMOSTAT_MODE_SET_MODE_RESERVED6_V3 0x16
#define THERMOSTAT_MODE_SET_MODE_RESERVED7_V3 0x17
#define THERMOSTAT_MODE_SET_MODE_RESERVED8_V3 0x18
#define THERMOSTAT_MODE_SET_MODE_RESERVED9_V3 0x19
#define THERMOSTAT_MODE_SET_MODE_RESERVEDA_V3 0x1A
#define THERMOSTAT_MODE_SET_MODE_RESERVEDB_V3 0x1B
#define THERMOSTAT_MODE_SET_MODE_RESERVEDC_V3 0x1C
#define THERMOSTAT_MODE_SET_MODE_RESERVEDD_V3 0x1D
#define THERMOSTAT_MODE_SET_MODE_RESERVED_E_V3 0x1E
#define THERMOSTAT_MODE_SET_MODE_MANUFACTURER_SPECIFIC_V3 0x1F
#define THERMOSTAT_MODE_SET_LEVEL_NO_OF_MANUFACTURER_DATA_FIELDS_MASK_V3 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 0x01
#define THERMOSTAT_OPERATING_STATE_GET 0x02
#define THERMOSTAT_OPERATING_STATE_REPORT 0x03
/* Values used for Thermostat Operating State Report command */
#define THERMOSTAT_OPERATING_STATE_REPORT_LEVEL_OPERATING_STATE_MASK 0x0F
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_IDLE 0x00
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_HEATING 0x01
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_COOLING 0x02
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_FAN_ONLY 0x03
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_PENDING_HEAT 0x04
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_PENDING_COOL 0x05
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_VENT_ECONOMIZER 0x06
#define THERMOSTAT_OPERATING_STATE_REPORT_LEVEL_RESERVED_MASK 0x0F
#define THERMOSTAT_OPERATING_STATE_REPORT_LEVEL_RESERVED_SHIFT 0x04

/* Thermostat Operating State command class commands */
#define THERMOSTAT_OPERATING_STATE_VERSION_V2 0x02
#define THERMOSTAT_OPERATING_STATE_GET_V2 0x02
#define THERMOSTAT_OPERATING_STATE_REPORT_V2 0x03
#define THERMOSTAT_OPERATING_STATE_LOGGING_SUPPORTED_GET_V2 0x01
#define THERMOSTAT_OPERATING_STATE_LOGGING_SUPPORTED_REPORT_V2 0x04
#define THERMOSTAT_OPERATING_STATE_LOGGING_GET_V2 0x05
#define THERMOSTAT_OPERATING_STATE_LOGGING_REPORT_V2 0x06
/* Values used for Thermostat Operating State Report command */
#define THERMOSTAT_OPERATING_STATE_REPORT_PROPERTIES1_OPERATING_STATE_MASK_V2 0x0F
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_IDLE_V2 0x00
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_HEATING_V2 0x01
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_COOLING_V2 0x02
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_FAN_ONLY_V2 0x03
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_PENDING_HEAT_V2 0x04
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#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_PENDING_COOL_V2 0x05
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_VENT_ECONOMIZER_V2 0x06
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_AUX_HEATING_V2 0x07
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_2ND_STAGE_HEATING_V2 0x08
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_2ND_STAGE_COOLING_V2 0x09
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_2ND_STAGE_AUX_HEAT_V2 0x0A
#define THERMOSTAT_OPERATING_STATE_REPORT_OPERATING_STATE_3RD_STAGE_AUX_HEAT_V2 0x0B
#define THERMOSTAT_OPERATING_STATE_REPORT_PROPERTIES1_RESERVED_MASK_V2 0xF0
#define THERMOSTAT_OPERATING_STATE_REPORT_PROPERTIES1_RESERVED_SHIFT_V2 0x04

/* Thermostat Setback command class commands */
#define THERMOSTAT_SETBACK_VERSION 0x01
#define THERMOSTAT_SETBACK_GET 0x02
#define THERMOSTAT_SETBACK_REPORT 0x03
#define THERMOSTAT_SETBACK_SET 0x01
/* Values used for Thermostat Setback Report command */
#define THERMOSTAT_SETBACK_REPORT_PROPERTIES1_SETBACK_TYPE_MASK 0x03
#define THERMOSTAT_SETBACK_REPORT_SETBACK_TYPE_NO_OVERRIDE 0x00
#define THERMOSTAT_SETBACK_REPORT_SETBACK_TYPE_TEMPORARY_OVERRIDE 0x01
#define THERMOSTAT_SETBACK_REPORT_SETBACK_TYPE_PERMANENT_OVERRIDE 0x02
#define THERMOSTAT_SETBACK_REPORT_SETBACK_TYPE_RESERVED 0x03
#define THERMOSTAT_SETBACK_REPORT_PROPERTIES1_RESERVED_MASK 0xFC
#define THERMOSTAT_SETBACK_REPORT_PROPERTIES1_RESERVED_SHIFT 0x02
/* Values used for Thermostat Setback Set command */
#define THERMOSTAT_SETBACK_SET_PROPERTIES1_SETBACK_TYPE_MASK 0x03
#define THERMOSTAT_SETBACK_SET_SETBACK_TYPE_NO_OVERRIDE 0x00
#define THERMOSTAT_SETBACK_SET_SETBACK_TYPE_TEMPORARY_OVERRIDE 0x01
#define THERMOSTAT_SETBACK_SET_SETBACK_TYPE_PERMANENT_OVERRIDE 0x02
#define THERMOSTAT_SETBACK_SET_SETBACK_TYPE_RESERVED 0x03
#define THERMOSTAT_SETBACK_SET_PROPERTIES1_RESERVED_MASK 0xFC
#define THERMOSTAT_SETBACK_SET_PROPERTIES1_RESERVED_SHIFT 0x02

/* Thermostat Setpoint command class commands */
#define THERMOSTAT_SETPOINT_VERSION 0x01
#define THERMOSTAT_SETPOINT_GET 0x02
#define THERMOSTAT_SETPOINT_REPORT 0x03
#define THERMOSTAT_SETPOINT_SET 0x01
#define THERMOSTAT_SETPOINT_SUPPORTED_GET 0x04
#define THERMOSTAT_SETPOINT_SUPPORTED_REPORT 0x05
/* Values used for Thermostat Setpoint Get command */
#define THERMOSTAT_SETPOINT_GET_LEVEL_SETPOINT_TYPE_MASK 0x0F
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED 0x00
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_HEATING_1 0x01
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_COOLING_1 0x02
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED1 0x03
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED2 0x04
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED3 0x05
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED4 0x06
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_FURNACE 0x07
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_DRY_AIR 0x08
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_MOIST_AIR 0x09
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_AUTO_CHANGEOVER 0x0A
#define THERMOSTAT_SETPOINT_GET_LEVEL_RESERVED_MASK 0xF0
#define THERMOSTAT_SETPOINT_GET_LEVEL_RESERVED_SHIFT 0x04
/* Values used for Thermostat Setpoint Report command */
#define THERMOSTAT_SETPOINT_REPORT_LEVEL_SETPOINT_TYPE_MASK 0x0F
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED 0x00
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_HEATING_1 0x01
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_COOLING_1 0x02
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED1 0x03
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED2 0x04
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED3 0x05
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED4 0x06
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_FURNACE 0x07
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_DRY_AIR 0x08
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_MOIST_AIR 0x09
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_AUTO_CHANGEOVER 0x0A
#define THERMOSTAT_SETPOINT_REPORT_LEVEL_RESERVED_MASK 0xF0
#define THERMOSTAT_SETPOINT_REPORT_LEVEL_RESERVED_SHIFT 0x04
#define THERMOSTAT_SETPOINT_REPORT_LEVEL2_SIZE_MASK 0x07
#define THERMOSTAT_SETPOINT_REPORT_LEVEL2_SCALE_MASK 0x18
#define THERMOSTAT_SETPOINT_REPORT_LEVEL2_SCALE_SHIFT 0x03
#define THERMOSTAT_SETPOINT_REPORT_LEVEL2_PRECISION_MASK 0xE0
#define THERMOSTAT_SETPOINT_REPORT_LEVEL2_PRECISION_SHIFT 0x05
/* Values used for Thermostat Setpoint Set command */
#define THERMOSTAT_SETPOINT_SET_LEVEL_SETPOINT_TYPE_MASK 0x0F
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED 0x00
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_HEATING_1 0x01
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_COOLING_1 0x02
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED1 0x03
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED2 0x04

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#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED3 0x05
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED4 0x06
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_FURNACE 0x07
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_DRY_AIR 0x08
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_MOIST_AIR 0x09
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_AUTO_CHANGEOVER 0x0A
#define THERMOSTAT_SETPOINT_SET_LEVEL_RESERVED_MASK 0xF0
#define THERMOSTAT_SETPOINT_SET_LEVEL_RESERVED_SHIFT 0x04
#define THERMOSTAT_SETPOINT_SET_LEVEL2_SIZE_MASK 0x07
#define THERMOSTAT_SETPOINT_SET_LEVEL2_SCALE_MASK 0x18
#define THERMOSTAT_SETPOINT_SET_LEVEL2_SCALE_SHIFT 0x03
#define THERMOSTAT_SETPOINT_SET_LEVEL2_PRECISION_MASK 0xE0
#define THERMOSTAT_SETPOINT_SET_LEVEL2_PRECISION_SHIFT 0x05

/* Thermostat Setpoint command class commands */
#define THERMOSTAT_SETPOINT_VERSION_V2 0x02
#define THERMOSTAT_SETPOINT_GET_V2 0x02
#define THERMOSTAT_SETPOINT_REPORT_V2 0x03
#define THERMOSTAT_SETPOINT_SET_V2 0x01
#define THERMOSTAT_SETPOINT_SUPPORTED_GET_V2 0x04
#define THERMOSTAT_SETPOINT_SUPPORTED_REPORT_V2 0x05
/* Values used for Thermostat Setpoint Get command */
#define THERMOSTAT_SETPOINT_GET_LEVEL_SETPOINT_TYPE_MASK_V2 0x0F
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED_V2 0x00
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_HEATING_1_V2 0x01
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_COOLING_1_V2 0x02
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED1_V2 0x03
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED2_V2 0x04
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED3_V2 0x05
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED4_V2 0x06
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_FURNACE_V2 0x07
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_DRY_AIR_V2 0x08
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_MOIST_AIR_V2 0x09
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_AUTO_CHANGEOVER_V2 0x0A
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_ENERGY_SAVE_HEATING_V2 0x0B
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_ENERGY_SAVE_COOLING_V2 0x0C
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_AWAY_HEATING_V2 0x0D
#define THERMOSTAT_SETPOINT_GET_LEVEL_RESERVED_MASK_V2 0xF0
#define THERMOSTAT_SETPOINT_GET_LEVEL_RESERVED_SHIFT_V2 0x04
/* Values used for Thermostat Setpoint Report command */
#define THERMOSTAT_SETPOINT_REPORT_LEVEL_SETPOINT_TYPE_MASK_V2 0x0F
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED_V2 0x00
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_HEATING_1_V2 0x01
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_COOLING_1_V2 0x02
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED1_V2 0x03
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED2_V2 0x04
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED3_V2 0x05
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED4_V2 0x06
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_FURNACE_V2 0x07
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_DRY_AIR_V2 0x08
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_MOIST_AIR_V2 0x09
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_AUTO_CHANGEOVER_V2 0x0A
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_ENERGY_SAVE_HEATING_V2 0x0B
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_ENERGY_SAVE_COOLING_V2 0x0C
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_AWAY_HEATING_V2 0x0D
#define THERMOSTAT_SETPOINT_REPORT_LEVEL_RESERVED_MASK_V2 0xF0
#define THERMOSTAT_SETPOINT_REPORT_LEVEL_RESERVED_SHIFT_V2 0x04
#define THERMOSTAT_SETPOINT_REPORT_LEVEL2_SIZE_MASK_V2 0x07
#define THERMOSTAT_SETPOINT_REPORT_LEVEL2_SCALE_MASK_V2 0x18
#define THERMOSTAT_SETPOINT_REPORT_LEVEL2_SCALE_SHIFT_V2 0x03
#define THERMOSTAT_SETPOINT_REPORT_LEVEL2_PRECISION_MASK_V2 0xE0
#define THERMOSTAT_SETPOINT_REPORT_LEVEL2_PRECISION_SHIFT_V2 0x05
/* Values used for Thermostat Setpoint Set command */
#define THERMOSTAT_SETPOINT_SET_LEVEL_SETPOINT_TYPE_MASK_V2 0x0F
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED_V2 0x00
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_HEATING_1_V2 0x01
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_COOLING_1_V2 0x02
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED1_V2 0x03
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED2_V2 0x04
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED3_V2 0x05
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED4_V2 0x06
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_FURNACE_V2 0x07
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_DRY_AIR_V2 0x08
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_MOIST_AIR_V2 0x09
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_AUTO_CHANGEOVER_V2 0x0A
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_ENERGY_SAVE_HEATING_V2 0x0B
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_ENERGY_SAVE_COOLING_V2 0x0C
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_AWAY_HEATING_V2 0x0D
#define THERMOSTAT_SETPOINT_SET_LEVEL_RESERVED_MASK_V2 0xF0
#define THERMOSTAT_SETPOINT_SET_LEVEL_RESERVED_SHIFT_V2 0x04
#define THERMOSTAT_SETPOINT_SET_LEVEL2_SIZE_MASK_V2 0x07

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#define THERMOSTAT_SETPOINT_SET_LEVEL2_SCALE_MASK_V2 0x18
#define THERMOSTAT_SETPOINT_SET_LEVEL2_SCALE_SHIFT_V2 0x03
#define THERMOSTAT_SETPOINT_SET_LEVEL2_PRECISION_MASK_V2 0xE0
#define THERMOSTAT_SETPOINT_SET_LEVEL2_PRECISION_SHIFT_V2 0x05

/* Thermostat Setpoint command class commands */
#define THERMOSTAT_SETPOINT_VERSION_V3 0x03
#define THERMOSTAT_SETPOINT_GET_V3 0x02
#define THERMOSTAT_SETPOINT_REPORT_V3 0x03
#define THERMOSTAT_SETPOINT_SET_V3 0x01
#define THERMOSTAT_SETPOINT_SUPPORTED_GET_V3 0x04
#define THERMOSTAT_SETPOINT_SUPPORTED_REPORT_V3 0x05
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_V3 0x09
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_V3 0x0A
/* Values used for Thermostat Setpoint Get command */
#define THERMOSTAT_SETPOINT_GET_LEVEL_SETPOINT_TYPE_MASK_V3 0x0F
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED_V3 0x00
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_HEATING_1_V3 0x01
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_COOLING_1_V3 0x02
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED1_V3 0x03
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED2_V3 0x04
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED3_V3 0x05
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_NOT_SUPPORTED4_V3 0x06
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_FURNACE_V3 0x07
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_DRY_AIR_V3 0x08
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_MOIST_AIR_V3 0x09
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_AUTO_CHANGEOVER_V3 0x0A
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_ENERGY_SAVE_HEATING_V3 0x0B
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_ENERGY_SAVE_COOLING_V3 0x0C
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_AWAY_HEATING_V3 0x0D
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_AWAY_COOLING_V3 0x0E
#define THERMOSTAT_SETPOINT_GET_SETPOINT_TYPE_FULL_POWER_V3 0x0F
#define THERMOSTAT_SETPOINT_GET_LEVEL_RESERVED_MASK_V3 0xF0
#define THERMOSTAT_SETPOINT_GET_LEVEL_RESERVED_SHIFT_V3 0x04
/* Values used for Thermostat Setpoint Report command */
#define THERMOSTAT_SETPOINT_REPORT_LEVEL_SETPOINT_TYPE_MASK_V3 0x0F
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED_V3 0x00
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_HEATING_1_V3 0x01
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_COOLING_1_V3 0x02
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED1_V3 0x03
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED2_V3 0x04
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED3_V3 0x05
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_NOT_SUPPORTED4_V3 0x06
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_FURNACE_V3 0x07
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_DRY_AIR_V3 0x08
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_MOIST_AIR_V3 0x09
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_AUTO_CHANGEOVER_V3 0x0A
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_ENERGY_SAVE_HEATING_V3 0x0B
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_ENERGY_SAVE_COOLING_V3 0x0C
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_AWAY_HEATING_V3 0x0D
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_AWAY_COOLING_V3 0x0E
#define THERMOSTAT_SETPOINT_REPORT_SETPOINT_TYPE_FULL_POWER_V3 0x0F
#define THERMOSTAT_SETPOINT_REPORT_LEVEL_RESERVED_MASK_V3 0xF0
#define THERMOSTAT_SETPOINT_REPORT_LEVEL_RESERVED_SHIFT_V3 0x04
#define THERMOSTAT_SETPOINT_REPORT_LEVEL2_SIZE_MASK_V3 0x07
#define THERMOSTAT_SETPOINT_REPORT_LEVEL2_SCALE_MASK_V3 0x18
#define THERMOSTAT_SETPOINT_REPORT_LEVEL2_SCALE_SHIFT_V3 0x03
#define THERMOSTAT_SETPOINT_REPORT_LEVEL2_PRECISION_MASK_V3 0xE0
#define THERMOSTAT_SETPOINT_REPORT_LEVEL2_PRECISION_SHIFT_V3 0x05
/* Values used for Thermostat Setpoint Set command */
#define THERMOSTAT_SETPOINT_SET_LEVEL_SETPOINT_TYPE_MASK_V3 0x0F
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED_V3 0x00
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_HEATING_1_V3 0x01
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_COOLING_1_V3 0x02
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED1_V3 0x03
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED2_V3 0x04
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED3_V3 0x05
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_NOT_SUPPORTED4_V3 0x06
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_FURNACE_V3 0x07
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_DRY_AIR_V3 0x08
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_MOIST_AIR_V3 0x09
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_AUTO_CHANGEOVER_V3 0x0A
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_ENERGY_SAVE_HEATING_V3 0x0B
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_ENERGY_SAVE_COOLING_V3 0x0C
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_AWAY_HEATING_V3 0x0D
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_AWAY_COOLING_V3 0x0E
#define THERMOSTAT_SETPOINT_SET_SETPOINT_TYPE_FULL_POWER_V3 0x0F
#define THERMOSTAT_SETPOINT_SET_LEVEL_RESERVED_MASK_V3 0xF0
#define THERMOSTAT_SETPOINT_SET_LEVEL_RESERVED_SHIFT_V3 0x04
#define THERMOSTAT_SETPOINT_SET_LEVEL2_SIZE_MASK_V3 0x07
#define THERMOSTAT_SETPOINT_SET_LEVEL2_SCALE_MASK_V3 0x18
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#define THERMOSTAT_SETPOINT_SET_LEVEL2_SCALE_SHIFT_V3 0x03
#define THERMOSTAT_SETPOINT_SET_LEVEL2_PRECISION_MASK_V3 0xE0
#define THERMOSTAT_SETPOINT_SET_LEVEL2_PRECISION_SHIFT_V3 0x05
/* Values used for Thermostat Setpoint Capabilities Get command */
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_PROPERTIES1_SETPOINT_TYPE_MASK_V3 0x0F
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_NOT_SUPPORTED_V3 0x00
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_HEATING_1_V3 0x01
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_COOLING_1_V3 0x02
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_NOT_SUPPORTED1_V3 0x03
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_NOT_SUPPORTED2_V3 0x04
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_NOT_SUPPORTED3_V3 0x05
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_NOT_SUPPORTED4_V3 0x06
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_FURNACE_V3 0x07
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_DRY_AIR_V3 0x08
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_MOIST_AIR_V3 0x09
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_AUTO_CHANGEOVER_V3 0x0A
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_ENERGY_SAVE_HEATING_V3 0x0B
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_ENERGY_SAVE_COOLING_V3 0x0C
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_AWAY_HEATING_V3 0x0D
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_AWAY_COOLING_V3 0x0E
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE_FULL_POWER_V3 0x0F
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_PROPERTIES1_RESERVED_MASK_V3 0xF0
#define THERMOSTAT_SETPOINT_CAPABILITIES_GET_PROPERTIES1_RESERVED_SHIFT_V3 0x04
/* Values used for Thermostat Setpoint Capabilities Report command */
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES1_SETPOINT_TYPE_MASK_V3 0x0F
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_NOT_SUPPORTED_V3 0x00
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_HEATING_1_V3 0x01
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_COOLING_1_V3 0x02
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_NOT_SUPPORTED1_V3 0x03
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_NOT_SUPPORTED2_V3 0x04
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_NOT_SUPPORTED3_V3 0x05
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_NOT_SUPPORTED4_V3 0x06
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_FURNACE_V3 0x07
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_DRY_AIR_V3 0x08
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_MOIST_AIR_V3 0x09
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_AUTO_CHANGEOVER_V3 0x0A
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_ENERGY_SAVE_HEATING_V3 0x0B
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_ENERGY_SAVE_COOLING_V3 0x0C
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_AWAY_HEATING_V3 0x0D
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_AWAY_COOLING_V3 0x0E
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE_FULL_POWER_V3 0x0F
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES1_RESERVED_MASK_V3 0xF0
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES1_RESERVED_SHIFT_V3 0x04
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_SIZE1_MASK_V3 0x07
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_SCALE1_MASK_V3 0x18
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_SCALE1_SHIFT_V3 0x03
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_PRECISION1_MASK_V3 0xE0
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_PRECISION1_SHIFT_V3 0x05
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_SIZE2_MASK_V3 0x07
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_SCALE2_MASK_V3 0x18
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_SCALE2_SHIFT_V3 0x03
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_PRECISION2_MASK_V3 0xE0
#define THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_PRECISION2_SHIFT_V3 0x05

/* Time Parameters command class commands */
#define TIME_PARAMETERS_VERSION 0x01
#define TIME_PARAMETERS_GET 0x02
#define TIME_PARAMETERS_REPORT 0x03
#define TIME_PARAMETERS_SET 0x01

/* Time command class commands */
#define TIME_VERSION 0x01
#define DATE_GET 0x03
#define DATE_REPORT 0x04
#define TIME_GET 0x01
#define TIME_REPORT 0x02
/* Values used for Time Report command */
#define TIME_REPORT_HOUR_LOCAL_TIME_HOUR_LOCAL_TIME_MASK 0x1F
#define TIME_REPORT_HOUR_LOCAL_TIME_RESERVED_MASK 0x60
#define TIME_REPORT_HOUR_LOCAL_TIME_RESERVED_SHIFT 0x05
#define TIME_REPORT_HOUR_LOCAL_TIME_RTC_FAILURE_BIT_MASK 0x80

/* Time command class commands */
#define TIME_VERSION_V2 0x02
#define DATE_GET_V2 0x03
#define DATE_REPORT_V2 0x04
#define TIME_GET_V2 0x01
#define TIME_OFFSET_GET_V2 0x06
#define TIME_OFFSET_REPORT_V2 0x07
#define TIME_OFFSET_SET_V2 0x05
#define TIME_REPORT_V2 0x02
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/* Values used for Time Offset Report command */
#define TIME_OFFSET_REPORT_LEVEL_HOUR_TZO_MASK_V2 0x7F
#define TIME_OFFSET_REPORT_LEVEL_SIGN_TZO_BIT_MASK_V2 0x80
#define TIME_OFFSET_REPORT_LEVEL2_MINUTE_OFFSET_DST_MASK_V2 0x7F
#define TIME_OFFSET_REPORT_LEVEL2_SIGN_OFFSET_DST_BIT_MASK_V2 0x80
/* Values used for Time Offset Set command */
#define TIME_OFFSET_SET_LEVEL_HOUR_TZO_MASK_V2 0x7F
#define TIME_OFFSET_SET_LEVEL_SIGN_TZO_BIT_MASK_V2 0x80
#define TIME_OFFSET_SET_LEVEL2_MINUTE_OFFSET_DST_MASK_V2 0x7F
#define TIME_OFFSET_SET_LEVEL2_SIGN_OFFSET_DST_BIT_MASK_V2 0x80
/* Values used for Time Report command */
#define TIME_REPORT_HOUR_LOCAL_TIME_HOUR_LOCAL_TIME_MASK_V2 0x1F
#define TIME_REPORT_HOUR_LOCAL_TIME_RESERVED_MASK_V2 0x60
#define TIME_REPORT_HOUR_LOCAL_TIME_RESERVED_SHIFT_V2 0x05
#define TIME_REPORT_HOUR_LOCAL_TIME_RTC_FAILURE_BIT_MASK_V2 0x80

/* Transport Service command class commands */
#define TRANSPORT_SERVICE_VERSION_V2 0x02
#define COMMAND_FIRST_SEGMENT_V2 0xC0
#define COMMAND_SEGMENT_COMPLETE_V2 0xE8
#define COMMAND_SEGMENT_REQUEST_V2 0xC8
#define COMMAND_SEGMENT_WAIT_V2 0xF0
#define COMMAND_SUBSEQUENT_SEGMENT_V2 0xE0
/* Values used for Command First Segment command */
#define COMMAND_FIRST_SEGMENT_MASK_V2 0xF8
#define COMMAND_FIRST_SEGMENT_DATAGRAM_SIZE_1_MASK_V2 0x07
#define COMMAND_FIRST_SEGMENT_PROPERTIES2_RESERVED_MASK_V2 0x07
#define COMMAND_FIRST_SEGMENT_PROPERTIES2_EXT_BIT_MASK_V2 0x08
#define COMMAND_FIRST_SEGMENT_PROPERTIES2_SESSION_ID_MASK_V2 0xF0
#define COMMAND_FIRST_SEGMENT_PROPERTIES2_SESSION_ID_SHIFT_V2 0x04
/* Values used for Command Segment Complete command */
#define COMMAND_SEGMENT_COMPLETE_MASK_V2 0xF8
#define COMMAND_SEGMENT_COMPLETE_RESERVED_MASK_V2 0x07
#define COMMAND_SEGMENT_COMPLETE_PROPERTIES2_RESERVED2_MASK_V2 0xF0
#define COMMAND_SEGMENT_COMPLETE_PROPERTIES2_SESSION_ID_MASK_V2 0xF0
#define COMMAND_SEGMENT_COMPLETE_PROPERTIES2_SESSION_ID_SHIFT_V2 0x04
/* Values used for Command Segment Request command */
#define COMMAND_SEGMENT_REQUEST_MASK_V2 0xF8
#define COMMAND_SEGMENT_REQUEST_RESERVED_MASK_V2 0x07
#define COMMAND_SEGMENT_REQUEST_PROPERTIES2_DATAGRAM_OFFSET_1_MASK_V2 0x07
#define COMMAND_SEGMENT_REQUEST_PROPERTIES2_RESERVED2_BIT_MASK_V2 0x08
#define COMMAND_SEGMENT_REQUEST_PROPERTIES2_SESSION_ID_MASK_V2 0xF0
#define COMMAND_SEGMENT_REQUEST_PROPERTIES2_SESSION_ID_SHIFT_V2 0x04
/* Values used for Command Segment Wait command */
#define COMMAND_SEGMENT_WAIT_MASK_V2 0xF8
#define COMMAND_SEGMENT_WAIT_RESERVED_MASK_V2 0x07
/* Values used for Command Subsequent Segment command */
#define COMMAND_SUBSEQUENT_SEGMENT_MASK_V2 0xF8
#define COMMAND_SUBSEQUENT_SEGMENT_DATAGRAM_SIZE_1_MASK_V2 0x07
#define COMMAND_SUBSEQUENT_SEGMENT_PROPERTIES2_DATAGRAM_OFFSET_1_MASK_V2 0x07
#define COMMAND_SUBSEQUENT_SEGMENT_PROPERTIES2_EXT_BIT_MASK_V2 0x08
#define COMMAND_SUBSEQUENT_SEGMENT_PROPERTIES2_SESSION_ID_MASK_V2 0xF0
#define COMMAND_SUBSEQUENT_SEGMENT_PROPERTIES2_SESSION_ID_SHIFT_V2 0x04

/* Transport Service command class commands */
#define TRANSPORT_SERVICE_VERSION 0x01
#define COMMAND_FIRST_FRAGMENT 0xC0
#define COMMAND_SUBSEQUENT_FRAGMENT 0xE0
/* Values used for Command First Fragment command */
#define COMMAND_FIRST_FRAGMENT_MASK 0xF8
#define COMMAND_FIRST_FRAGMENT_DATAGRAM_SIZE_1_MASK 0x07
#define COMMAND_FIRST_FRAGMENT_PROPERTIES2_SEQUENCE_NO_MASK 0x0F
#define COMMAND_FIRST_FRAGMENT_PROPERTIES2_RESERVED_MASK 0xF0
#define COMMAND_FIRST_FRAGMENT_PROPERTIES2_RESERVED_SHIFT 0x04
/* Values used for Command Subsequent Fragment command */
#define COMMAND_SUBSEQUENT_FRAGMENT_MASK 0xF8
#define COMMAND_SUBSEQUENT_FRAGMENT_DATAGRAM_SIZE_1_MASK 0x07
#define COMMAND_SUBSEQUENT_FRAGMENT_PROPERTIES2_DATAGRAM_OFFSET_1_MASK 0x07
#define COMMAND_SUBSEQUENT_FRAGMENT_PROPERTIES2_SEQUENCE_NO_MASK 0x78
#define COMMAND_SUBSEQUENT_FRAGMENT_PROPERTIES2_SEQUENCE_NO_SHIFT 0x03
#define COMMAND_SUBSEQUENT_FRAGMENT_PROPERTIES2_RESERVED_BIT_MASK 0x80

/* User Code command class commands */
#define USER_CODE_VERSION 0x01
#define USER_CODE_GET 0x02
#define USER_CODE_REPORT 0x03
#define USER_CODE_SET 0x01
#define USERS_NUMBER_GET 0x04
#define USERS_NUMBER_REPORT 0x05
/* Values used for User Code Report command */
#define USER_CODE_REPORT_AVAILABLE_NOT_SET 0x00

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#define USER_CODE_REPORT_OCCUPIED 0x01
#define USER_CODE_REPORT_RESERVED_BY_ADMINISTRATOR 0x02
#define USER_CODE_REPORT_STATUS_NOT_AVAILABLE 0xFE
/* Values used for User Code Set command */
#define USER_CODE_SET_AVAILABLE_NOT_SET 0x00
#define USER_CODE_SET_OCCUPIED 0x01
#define USER_CODE_SET_RESERVED_BY_ADMINISTRATOR 0x02
#define USER_CODE_SET_STATUS_NOT_AVAILABLE 0xFE

/* Version command class commands */
#define VERSION_VERSION 0x01
#define VERSION_COMMAND_CLASS_GET 0x13
#define VERSION_COMMAND_CLASS_REPORT 0x14
#define VERSION_GET 0x11
#define VERSION_REPORT 0x12

/* Version command class commands */
#define VERSION_VERSION_V2 0x02
#define VERSION_COMMAND_CLASS_GET_V2 0x13
#define VERSION_COMMAND_CLASS_REPORT_V2 0x14
#define VERSION_GET_V2 0x11
#define VERSION_REPORT_V2 0x12

/* Wake Up command class commands */
#define WAKE_UP_VERSION 0x01
#define WAKE_UP_INTERVAL_GET 0x05
#define WAKE_UP_INTERVAL_REPORT 0x06
#define WAKE_UP_INTERVAL_SET 0x04
#define WAKE_UP_NO_MORE_INFORMATION 0x08
#define WAKE_UP_NOTIFICATION 0x07

/* Wake Up command class commands */
#define WAKE_UP_VERSION_V2 0x02
#define WAKE_UP_INTERVAL_CAPABILITIES_GET_V2 0x09
#define WAKE_UP_INTERVAL_CAPABILITIES_REPORT_V2 0x0A
#define WAKE_UP_INTERVAL_GET_V2 0x05
#define WAKE_UP_INTERVAL_REPORT_V2 0x06
#define WAKE_UP_INTERVAL_SET_V2 0x04
#define WAKE_UP_NO_MORE_INFORMATION_V2 0x08
#define WAKE_UP_NOTIFICATION_V2 0x07

/* Zip 6lowpan command class commands */
#define ZIP_6LOWPAN_VERSION 0x01
#define LOWPAN_FIRST_FRAGMENT 0xC0
#define LOWPAN_SUBSEQUENT_FRAGMENT 0xE0
/* Values used for Lowpan First Fragment command */
#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 0xF8
#define LOWPAN_SUBSEQUENT_FRAGMENT_DATAGRAM_SIZE_1_MASK 0x07

/* Zip command class commands */
#define ZIP_VERSION 0x01
#define COMMAND_ZIP_PACKET 0x02
/* Values used for Command Zip Packet command */
#define COMMAND_ZIP_PACKET_PROPERTIES1_RESERVED1_MASK 0x03
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_OPTION_ERROR_BIT_MASK 0x04
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_QUEUE_FULL_BIT_MASK 0x08
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_WAITING_BIT_MASK 0x10
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_RESPONSE_BIT_MASK 0x20
#define COMMAND_ZIP_PACKET_PROPERTIES1_ACK_RESPONSE_BIT_MASK 0x40
#define COMMAND_ZIP_PACKET_PROPERTIES1_ACK_REQUEST_BIT_MASK 0x80
#define COMMAND_ZIP_PACKET_PROPERTIES2_RESERVED2_MASK 0x1F
#define COMMAND_ZIP_PACKET_PROPERTIES2_MORE_INFORMATION_BIT_MASK 0x20
#define COMMAND_ZIP_PACKET_PROPERTIES2_Z_WAVE_CMD_INCLUDED_BIT_MASK 0x40
#define COMMAND_ZIP_PACKET_PROPERTIES2_HEADER_EXT_INCLUDED_BIT_MASK 0x80
#define COMMAND_ZIP_PACKET_PROPERTIES3_SOURCE_END_POINT_MASK 0x7F
#define COMMAND_ZIP_PACKET_PROPERTIES3_RESERVED3_BIT_MASK 0x80
#define COMMAND_ZIP_PACKET_PROPERTIES4_DESTINATION_END_POINT_MASK 0x7F
#define COMMAND_ZIP_PACKET_PROPERTIES4_BIT_ADDRESS_BIT_MASK 0x80

/* Zip command class commands */
#define ZIP_VERSION_V2 0x02
#define COMMAND_ZIP_PACKET_V2 0x02
/* Values used for Command Zip Packet command */
#define COMMAND_ZIP_PACKET_PROPERTIES1_RESERVED1_MASK_V2 0x03
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_OPTION_ERROR_BIT_MASK_V2 0x04
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_QUEUE_FULL_BIT_MASK_V2 0x08
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_WAITING_BIT_MASK_V2 0x10
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_RESPONSE_BIT_MASK_V2 0x20

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#define COMMAND_ZIP_PACKET_PROPERTIES1_ACK_RESPONSE_BIT_MASK_V2 0x40
#define COMMAND_ZIP_PACKET_PROPERTIES1_ACK_REQUEST_BIT_MASK_V2 0x80
#define COMMAND_ZIP_PACKET_PROPERTIES2_RESERVED2_MASK_V2 0x0F
#define COMMAND_ZIP_PACKET_PROPERTIES2_SECURE_ORIGIN_BIT_MASK_V2 0x10
#define COMMAND_ZIP_PACKET_PROPERTIES2_MORE_INFORMATION_BIT_MASK_V2 0x20
#define COMMAND_ZIP_PACKET_PROPERTIES2_Z_WAVE_CMD_INCLUDED_BIT_MASK_V2 0x40
#define COMMAND_ZIP_PACKET_PROPERTIES2_HEADER_EXT_INCLUDED_BIT_MASK_V2 0x80
#define COMMAND_ZIP_PACKET_PROPERTIES3_SOURCE_END_POINT_MASK_V2 0x7F
#define COMMAND_ZIP_PACKET_PROPERTIES3_RESERVED3_BIT_MASK_V2 0x80
#define COMMAND_ZIP_PACKET_PROPERTIES4_DESTINATION_END_POINT_MASK_V2 0x7F
#define COMMAND_ZIP_PACKET_PROPERTIES4_BIT_ADDRESS_BIT_MASK_V2 0x80

/* Zip command class commands */
#define ZIP_VERSION_V3 0x03
#define COMMAND_ZIP_PACKET_V3 0x02
/* Values used for Command Zip Packet command */
#define COMMAND_ZIP_PACKET_PROPERTIES1_RESERVED1_MASK_V3 0x03
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_OPTION_ERROR_BIT_MASK_V3 0x04
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_QUEUE_FULL_BIT_MASK_V3 0x08
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_WAITING_BIT_MASK_V3 0x10
#define COMMAND_ZIP_PACKET_PROPERTIES1_NACK_RESPONSE_BIT_MASK_V3 0x20
#define COMMAND_ZIP_PACKET_PROPERTIES1_ACK_RESPONSE_BIT_MASK_V3 0x40
#define COMMAND_ZIP_PACKET_PROPERTIES1_ACK_REQUEST_BIT_MASK_V3 0x80
#define COMMAND_ZIP_PACKET_PROPERTIES2_RESERVED2_MASK_V3 0x0F
#define COMMAND_ZIP_PACKET_PROPERTIES2_SECURE_ORIGIN_BIT_MASK_V3 0x10
#define COMMAND_ZIP_PACKET_PROPERTIES2_MORE_INFORMATION_BIT_MASK_V3 0x20
#define COMMAND_ZIP_PACKET_PROPERTIES2_Z_WAVE_CMD_INCLUDED_BIT_MASK_V3 0x40
#define COMMAND_ZIP_PACKET_PROPERTIES2_HEADER_EXT_INCLUDED_BIT_MASK_V3 0x80
#define COMMAND_ZIP_PACKET_PROPERTIES3_SOURCE_END_POINT_MASK_V3 0x7F
#define COMMAND_ZIP_PACKET_PROPERTIES3_RESERVED3_BIT_MASK_V3 0x80
#define COMMAND_ZIP_PACKET_PROPERTIES4_DESTINATION_END_POINT_MASK_V3 0x7F
#define COMMAND_ZIP_PACKET_PROPERTIES4_BIT_ADDRESS_BIT_MASK_V3 0x80

/* Application Capability command class commands */
#define APPLICATION_CAPABILITY_VERSION 0x01
#define COMMAND_COMMAND_CLASS_NOT_SUPPORTED 0x01
/* Values used for Command Command Class Not Supported command */
#define COMMAND_COMMAND_CLASS_NOT_SUPPORTED_PROPERTIES1_RESERVED_MASK 0x7F
#define COMMAND_COMMAND_CLASS_NOT_SUPPORTED_PROPERTIES1_DYNAMIC_BIT_MASK 0x80

/* Switch Color command class commands */
#define SWITCH_COLOR_VERSION 0x01
#define SWITCH_COLOR_SUPPORTED_GET 0x01
#define SWITCH_COLOR_SUPPORTED_REPORT 0x02
#define SWITCH_COLOR_GET 0x03
#define SWITCH_COLOR_REPORT 0x04
#define SWITCH_COLOR_SET 0x05
#define SWITCH_COLOR_START_LEVEL_CHANGE 0x06
#define SWITCH_COLOR_STOP_LEVEL_CHANGE 0x07
/* Values used for Switch Color Set command */
#define SWITCH_COLOR_SET_PROPERTIES1_COLOR_COMPONENT_COUNT_MASK 0x1F
#define SWITCH_COLOR_SET_PROPERTIES1_RESERVED_MASK 0xE0
#define SWITCH_COLOR_SET_PROPERTIES1_RESERVED_SHIFT 0x05
/* Values used for Switch Color Start Level Change command */
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_RES1_MASK 0x1F
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_IGNORE_START_STATE_BIT_MASK 0x20
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_BIT_MASK 0x40
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_RES2_BIT_MASK 0x80

/* Switch Color command class commands */
#define SWITCH_COLOR_VERSION_V2 0x02
#define SWITCH_COLOR_SUPPORTED_GET_V2 0x01
#define SWITCH_COLOR_SUPPORTED_REPORT_V2 0x02
#define SWITCH_COLOR_GET_V2 0x03
#define SWITCH_COLOR_REPORT_V2 0x04
#define SWITCH_COLOR_SET_V2 0x05
#define SWITCH_COLOR_START_LEVEL_CHANGE_V2 0x06
#define SWITCH_COLOR_STOP_LEVEL_CHANGE_V2 0x07
/* Values used for Switch Color Set command */
#define SWITCH_COLOR_SET_PROPERTIES1_COLOR_COMPONENT_COUNT_MASK_V2 0x1F
#define SWITCH_COLOR_SET_PROPERTIES1_RESERVED_MASK_V2 0xE0
#define SWITCH_COLOR_SET_PROPERTIES1_RESERVED_SHIFT_V2 0x05
/* Values used for Switch Color Start Level Change command */
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_RES1_MASK_V2 0x1F
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_IGNORE_START_STATE_BIT_MASK_V2 0x20
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_BIT_MASK_V2 0x40
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_RES2_BIT_MASK_V2 0x80

/* Switch Color command class commands */
#define SWITCH_COLOR_VERSION_V3 0x03
#define SWITCH_COLOR_SUPPORTED_GET_V3 0x01
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#define SWITCH_COLOR_SUPPORTED_REPORT_V3 0x02
#define SWITCH_COLOR_GET_V3 0x03
#define SWITCH_COLOR_REPORT_V3 0x04
#define SWITCH_COLOR_SET_V3 0x05
#define SWITCH_COLOR_START_LEVEL_CHANGE_V3 0x06
#define SWITCH_COLOR_STOP_LEVEL_CHANGE_V3 0x07
/* Values used for Switch Color Report command */
#define SWITCH_COLOR_REPORT_ALREADY_AT_THE_TARGET_VALUE_V3 0x00
#define SWITCH_COLOR_REPORT_UNKNOWN_DURATION_V3 0xFE
#define SWITCH_COLOR_REPORT_RESERVED_V3 0xFF
/* Values used for Switch Color Set command */
#define SWITCH_COLOR_SET_PROPERTIES1_COLOR_COMPONENT_COUNT_MASK_V3 0x1F
#define SWITCH_COLOR_SET_PROPERTIES1_RESERVED_MASK_V3 0xE0
#define SWITCH_COLOR_SET_PROPERTIES1_RESERVED_SHIFT_V3 0x05
#define SWITCH_COLOR_SET_INSTANTLY_V3 0x00
#define SWITCH_COLOR_SET_DEFAULT_V3 0xFF
/* Values used for Switch Color Start Level Change command */
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_RES1_MASK_V3 0x1F
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_IGNORE_START_STATE_BIT_MASK_V3 0x20
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_BIT_MASK_V3 0x40
#define SWITCH_COLOR_START_LEVEL_CHANGE_PROPERTIES1_RES2_BIT_MASK_V3 0x80
#define SWITCH_COLOR_START_LEVEL_CHANGE_INSTANTLY_V3 0x00
#define SWITCH_COLOR_START_LEVEL_CHANGE_DEFAULT_V3 0xFF

/* Schedule command class commands */
#define SCHEDULE_VERSION 0x01
#define SCHEDULE_SUPPORTED_GET 0x01
#define SCHEDULE_SUPPORTED_REPORT 0x02
#define COMMAND_SCHEDULE_SET 0x03
#define COMMAND_SCHEDULE_GET 0x04
#define COMMAND_SCHEDULE_REPORT 0x05
#define SCHEDULE_REMOVE 0x06
#define SCHEDULE_STATE_SET 0x07
#define SCHEDULE_STATE_GET 0x08
#define SCHEDULE_STATE_REPORT 0x09
/* Values used for Schedule Supported Report command */
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_START_TIME_SUPPORT_MASK 0x3F
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_FALLBACK_SUPPORT_BIT_MASK 0x40
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_SUPPORT_ENABLE_DISABLE_BIT_MASK 0x80
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES3_SUPPORTED_OVERRIDE_TYPES_MASK 0x7F
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES3_OVERRIDE_SUPPORT_BIT_MASK 0x80
/* Values used for Command Schedule Set command */
#define COMMAND_SCHEDULE_SET_PROPERTIES1_START_MONTH_MASK 0x0F
#define COMMAND_SCHEDULE_SET_PROPERTIES1_RESERVED1_MASK 0xF0
#define COMMAND_SCHEDULE_SET_PROPERTIES1_RESERVED1_SHIFT 0x04
#define COMMAND_SCHEDULE_SET_PROPERTIES2_START_DAY_OF_MONTH_MASK 0x1F
#define COMMAND_SCHEDULE_SET_PROPERTIES2_RESERVED2_MASK 0xE0
#define COMMAND_SCHEDULE_SET_PROPERTIES2_RESERVED2_SHIFT 0x05
#define COMMAND_SCHEDULE_SET_PROPERTIES3_START_WEEKDAY_MASK 0x7F
#define COMMAND_SCHEDULE_SET_PROPERTIES3_RES_BIT_MASK 0x80
#define COMMAND_SCHEDULE_SET_PROPERTIES4_START_HOUR_MASK 0x1F
#define COMMAND_SCHEDULE_SET_PROPERTIES4_DURATION_TYPE_MASK 0xE0
#define COMMAND_SCHEDULE_SET_PROPERTIES4_DURATION_TYPE_SHIFT 0x05
#define COMMAND_SCHEDULE_SET_PROPERTIES5_START_MINUTE_MASK 0x3F
#define COMMAND_SCHEDULE_SET_PROPERTIES5_RESERVED3_MASK 0xC0
#define COMMAND_SCHEDULE_SET_PROPERTIES5_RESERVED3_SHIFT 0x06
/* Values used for Command Schedule Report command */
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_START_MONTH_MASK 0x0F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_ACTIVE_ID_MASK 0xF0
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_ACTIVE_ID_SHIFT 0x04
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_START_DAY_OF_MONTH_MASK 0x1F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_RESERVED2_MASK 0xE0
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_RESERVED2_SHIFT 0x05
#define COMMAND_SCHEDULE_REPORT_PROPERTIES3_START_WEEKDAY_MASK 0x7F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES3_RES_BIT_MASK 0x80
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_START_HOUR_MASK 0x1F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_DURATION_TYPE_MASK 0xE0
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_DURATION_TYPE_SHIFT 0x05
#define COMMAND_SCHEDULE_REPORT_PROPERTIES5_START_MINUTE_MASK 0x3F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES5_RESERVED3_MASK 0xC0
#define COMMAND_SCHEDULE_REPORT_PROPERTIES5_RESERVED3_SHIFT 0x06
/* Values used for Schedule State Report command */
#define SCHEDULE_STATE_REPORT_PROPERTIES1_OVERRIDE_BIT_MASK 0x01
#define SCHEDULE_STATE_REPORT_PROPERTIES1_REPORTS_TO_FOLLOW_MASK 0xFE
#define SCHEDULE_STATE_REPORT_PROPERTIES1_REPORTS_TO_FOLLOW_SHIFT 0x01
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_1_MASK 0x0F
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_2_MASK 0xF0
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_2_SHIFT 0x04
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_3_MASK 0x0F
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_N_MASK 0xF0
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_N_SHIFT 0x04
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/* Schedule command class commands */
#define SCHEDULE_VERSION_V2 0x02
#define SCHEDULE_SUPPORTED_GET_V2 0x01
#define SCHEDULE_SUPPORTED_REPORT_V2 0x02
#define COMMAND_SCHEDULE_SET_V2 0x03
#define COMMAND_SCHEDULE_GET_V2 0x04
#define COMMAND_SCHEDULE_REPORT_V2 0x05
#define SCHEDULE_REMOVE_V2 0x06
#define SCHEDULE_STATE_SET_V2 0x07
#define SCHEDULE_STATE_GET_V2 0x08
#define SCHEDULE_STATE_REPORT_V2 0x09
/* Values used for Schedule Supported Report command */
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_START_TIME_SUPPORT_MASK_V2 0x3F
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_FALLBACK_SUPPORT_BIT_MASK_V2 0x40
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_SUPPORT_ENABLE_DISABLE_BIT_MASK_V2 0x80
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES3_SUPPORTED_OVERRIDE_TYPES_MASK_V2 0x7F
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES3_OVERRIDE_SUPPORT_BIT_MASK_V2 0x80
/* Values used for Command Schedule Set command */
#define COMMAND_SCHEDULE_SET_PROPERTIES1_START_MONTH_MASK_V2 0x0F
#define COMMAND_SCHEDULE_SET_PROPERTIES1_RESERVED0_MASK_V2 0xF0
#define COMMAND_SCHEDULE_SET_PROPERTIES1_RESERVED0_SHIFT_V2 0x04
#define COMMAND_SCHEDULE_SET_PROPERTIES2_START_DAY_OF_MONTH_MASK_V2 0x1F
#define COMMAND_SCHEDULE_SET_PROPERTIES2_RESERVED1_MASK_V2 0xE0
#define COMMAND_SCHEDULE_SET_PROPERTIES2_RESERVED1_SHIFT_V2 0x05
#define COMMAND_SCHEDULE_SET_PROPERTIES3_START_WEEKDAY_MASK_V2 0x7F
#define COMMAND_SCHEDULE_SET_PROPERTIES3_RESERVED2_BIT_MASK_V2 0x80
#define COMMAND_SCHEDULE_SET_PROPERTIES4_START_HOUR_MASK_V2 0x1F
#define COMMAND_SCHEDULE_SET_PROPERTIES4_DURATION_TYPE_MASK_V2 0xE0
#define COMMAND_SCHEDULE_SET_PROPERTIES4_DURATION_TYPE_SHIFT_V2 0x05
#define COMMAND_SCHEDULE_SET_PROPERTIES5_START_MINUTE_MASK_V2 0x3F
#define COMMAND_SCHEDULE_SET_PROPERTIES5_RESERVED3_MASK_V2 0xC0
#define COMMAND_SCHEDULE_SET_PROPERTIES5_RESERVED3_SHIFT_V2 0x06
/* Values used for Command Schedule Report command */
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_START_MONTH_MASK_V2 0x0F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_ACTIVE_ID_MASK_V2 0xF0
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_ACTIVE_ID_SHIFT_V2 0x04
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_START_DAY_OF_MONTH_MASK_V2 0x1F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_RESERVED0_MASK_V2 0xE0
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_RESERVED0_SHIFT_V2 0x05
#define COMMAND_SCHEDULE_REPORT_RESERVED0_REPEAT_EVERY_N_HOURS_V2 0x00
#define COMMAND_SCHEDULE_REPORT_RESERVED0_REPEAT_EVERY_N_DAYS_V2 0x01
#define COMMAND_SCHEDULE_REPORT_RESERVED0_REPEAT_EVERY_N_WEEKS_V2 0x02
#define COMMAND_SCHEDULE_REPORT_PROPERTIES3_START_WEEKDAY_MASK_V2 0x7F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES3_RESERVED1_BIT_MASK_V2 0x80
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_START_HOUR_MASK_V2 0x1F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_DURATION_TYPE_MASK_V2 0xE0
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_DURATION_TYPE_SHIFT_V2 0x05
#define COMMAND_SCHEDULE_REPORT_PROPERTIES5_START_MINUTE_MASK_V2 0x3F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES5_RESERVED2_MASK_V2 0xC0
#define COMMAND_SCHEDULE_REPORT_PROPERTIES5_RESERVED2_SHIFT_V2 0x06
/* Values used for Schedule State Report command */
#define SCHEDULE_STATE_REPORT_PROPERTIES1_OVERRIDE_BIT_MASK_V2 0x01
#define SCHEDULE_STATE_REPORT_PROPERTIES1_REPORTS_TO_FOLLOW_MASK_V2 0xFE
#define SCHEDULE_STATE_REPORT_PROPERTIES1_REPORTS_TO_FOLLOW_SHIFT_V2 0x01
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_1_MASK_V2 0x0F
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_2_MASK_V2 0xF0
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_2_SHIFT_V2 0x04
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_3_MASK_V2 0x0F
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_N_MASK_V2 0xF0
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_N_SHIFT_V2 0x04
/* Schedule command class commands */
#define SCHEDULE_VERSION_V3 0x03
#define SCHEDULE_SUPPORTED_GET_V3 0x01
#define SCHEDULE_SUPPORTED_REPORT_V3 0x02
#define COMMAND_SCHEDULE_SET_V3 0x03
#define COMMAND_SCHEDULE_GET_V3 0x04
#define COMMAND_SCHEDULE_REPORT_V3 0x05
#define SCHEDULE_REMOVE_V3 0x06
#define SCHEDULE_STATE_SET_V3 0x07
#define SCHEDULE_STATE_GET_V3 0x08
#define SCHEDULE_STATE_REPORT_V3 0x09
/* Values used for Schedule Supported Report command */
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_START_TIME_SUPPORT_MASK_V3 0x3F
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_FALLBACK_SUPPORT_BIT_MASK_V3 0x40
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES1_SUPPORT_ENABLE_DISABLE_BIT_MASK_V3 0x80
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES3_SUPPORTED_OVERRIDE_TYPES_MASK_V3 0x7F
#define SCHEDULE_SUPPORTED_REPORT_PROPERTIES3_OVERRIDE_SUPPORT_BIT_MASK_V3 0x80
/* Values used for Command Schedule Set command */
#define COMMAND_SCHEDULE_SET_PROPERTIES1_START_MONTH_MASK_V3 0x0F
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#define COMMAND_SCHEDULE_SET_PROPERTIES1_RECURRENCE_OFFSET_MASK_V3 0xF0
#define COMMAND_SCHEDULE_SET_PROPERTIES1_RECURRENCE_OFFSET_SHIFT_V3 0x04
#define COMMAND_SCHEDULE_SET_PROPERTIES2_START_DAY_OF_MONTH_MASK_V3 0x1F
#define COMMAND_SCHEDULE_SET_PROPERTIES2_RECURRENCE_MODE_MASK_V3 0x60
#define COMMAND_SCHEDULE_SET_PROPERTIES2_RECURRENCE_MODE_SHIFT_V3 0x05
#define COMMAND_SCHEDULE_SET_RECURRENCE_MODE_REPEAT_EVERY_N_HOURS_V3 0x00
#define COMMAND_SCHEDULE_SET_RECURRENCE_MODE_REPEAT_EVERY_N_DAYS_V3 0x01
#define COMMAND_SCHEDULE_SET_RECURRENCE_MODE_REPEAT_EVERY_N_WEEKS_V3 0x02
#define COMMAND_SCHEDULE_SET_PROPERTIES2_RESERVED1_BIT_MASK_V3 0x80
#define COMMAND_SCHEDULE_SET_PROPERTIES3_START_WEEKDAY_MASK_V3 0x7F
#define COMMAND_SCHEDULE_SET_PROPERTIES3_RESERVED2_BIT_MASK_V3 0x80
#define COMMAND_SCHEDULE_SET_PROPERTIES4_START_HOUR_MASK_V3 0x1F
#define COMMAND_SCHEDULE_SET_PROPERTIES4_DURATION_TYPE_MASK_V3 0x00
#define COMMAND_SCHEDULE_SET_PROPERTIES4_DURATION_TYPE_SHIFT_V3 0x05
#define COMMAND_SCHEDULE_SET_PROPERTIES5_START_MINUTE_MASK_V3 0x3F
#define COMMAND_SCHEDULE_SET_PROPERTIES5_RELATIVE_BIT_MASK_V3 0x40
#define COMMAND_SCHEDULE_SET_PROPERTIES5_RESERVED3_BIT_MASK_V3 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
/* Values used for Command Schedule Report command */
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_START_MONTH_MASK_V3 0x0F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_AID_RO_MASK_V3 0x0F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES1_AID_RO_SHIFT_V3 0x04
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_START_DAY_OF_MONTH_MASK_V3 0x1F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_RECURRENCE_MODE_MASK_V3 0x60
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_RECURRENCE_MODE_SHIFT_V3 0x05
#define COMMAND_SCHEDULE_REPORT_RECURRENCE_MODE_REPEAT_EVERY_N_HOURS_V3 0x00
#define COMMAND_SCHEDULE_REPORT_RECURRENCE_MODE_REPEAT_EVERY_N_DAYS_V3 0x01
#define COMMAND_SCHEDULE_REPORT_RECURRENCE_MODE_REPEAT_EVERY_N_WEEKS_V3 0x02
#define COMMAND_SCHEDULE_REPORT_PROPERTIES2_AID_RO_CTL_BIT_MASK_V3 0x80
#define COMMAND_SCHEDULE_REPORT_PROPERTIES3_START_WEEKDAY_MASK_V3 0x7F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES3_RESERVED1_BIT_MASK_V3 0x80
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_START_HOUR_MASK_V3 0x1F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_DURATION_TYPE_MASK_V3 0x00
#define COMMAND_SCHEDULE_REPORT_PROPERTIES4_DURATION_TYPE_SHIFT_V3 0x05
#define COMMAND_SCHEDULE_REPORT_PROPERTIES5_START_MINUTE_MASK_V3 0x3F
#define COMMAND_SCHEDULE_REPORT_PROPERTIES5_RELATIVE_BIT_MASK_V3 0x40
#define COMMAND_SCHEDULE_REPORT_PROPERTIES5_RESERVED2_BIT_MASK_V3 0x80
/* Values used for Schedule State Report command */
#define SCHEDULE_STATE_REPORT_PROPERTIES1_OVERRIDE_BIT_MASK_V3 0x01
#define SCHEDULE_STATE_REPORT_PROPERTIES1_REPORTS_TO_FOLLOW_MASK_V3 0xFE
#define SCHEDULE_STATE_REPORT_PROPERTIES1_REPORTS_TO_FOLLOW_SHIFT_V3 0x01
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_1_MASK_V3 0x0F
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_2_MASK_V3 0xF0
#define SCHEDULE_STATE_REPORT_PROPERTIES2_ACTIVE_ID_2_SHIFT_V3 0x04
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_3_MASK_V3 0x0F
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_N_MASK_V3 0xF0
#define SCHEDULE_STATE_REPORT_PROPERTIES3_ACTIVE_ID_N_SHIFT_V3 0x04

/* Network Management Primary command class commands */
#define NETWORK_MANAGEMENT_PRIMARY_VERSION 0x01
#define CONTROLLER_CHANGE 0x01
#define CONTROLLER_CHANGE_STATUS 0x02
/* Values used for Controller Change Status command */
#define CONTROLLER_CHANGE_STATUS_PROPERTIES1_CAPABILITY_MASK 0x7F
#define CONTROLLER_CHANGE_STATUS_PROPERTIES1_LISTENING_BIT_MASK 0x80
#define CONTROLLER_CHANGE_STATUS_PROPERTIES2_SECURITY_MASK 0x7F
#define CONTROLLER_CHANGE_STATUS_PROPERTIES2_OPT_BIT_MASK 0x80

/* Zip Nd command class commands */
#define ZIP_ND_VERSION 0x01
#define ZIP_NODE_SOLICITATION 0x03
#define ZIP_INV_NODE_SOLICITATION 0x04
#define ZIP_NODE_ADVERTISEMENT 0x01
/* Values used for Zip Inv Node Solicitation command */
#define ZIP_INV_NODE_SOLICITATION_PROPERTIES1_RESERVED1_MASK 0x03
#define ZIP_INV_NODE_SOLICITATION_PROPERTIES1_LOCAL_BIT_MASK 0x04
#define ZIP_INV_NODE_SOLICITATION_PROPERTIES1_RESERVED2_MASK 0xF8
#define ZIP_INV_NODE_SOLICITATION_PROPERTIES1_RESERVED2_SHIFT 0x03
/* Values used for Zip Node Advertisement command */
#define ZIP_NODE_ADVERTISEMENT_PROPERTIES1_VALIDITY_MASK 0x03
#define ZIP_NODE_ADVERTISEMENT_VALIDITY_INFORMATION_OK 0x00
#define ZIP_NODE_ADVERTISEMENT_VALIDITY_INFORMATION_OBSOLETE 0x01
#define ZIP_NODE_ADVERTISEMENT_VALIDITY_INFORMATION_NOT_FOUND 0x02
#define ZIP_NODE_ADVERTISEMENT_PROPERTIES1_LOCAL_BIT_MASK 0x04
#define ZIP_NODE_ADVERTISEMENT_PROPERTIES1_RESERVED_MASK 0xF8
#define ZIP_NODE_ADVERTISEMENT_PROPERTIES1_RESERVED_SHIFT 0x03

/* Association Grp Info command class commands */
#define ASSOCIATION_GRP_INFO_VERSION 0x01

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#define ASSOCIATION_GROUP_NAME_GET 0x01
#define ASSOCIATION_GROUP_NAME_REPORT 0x02
#define ASSOCIATION_GROUP_INFO_GET 0x03
#define ASSOCIATION_GROUP_INFO_REPORT 0x04
#define ASSOCIATION_GROUP_COMMAND_LIST_GET 0x05
#define ASSOCIATION_GROUP_COMMAND_LIST_REPORT 0x06
/* Values used for Association Group Info Get command */
#define ASSOCIATION_GROUP_INFO_GET_PROPERTIES1_RESERVED_MASK 0x3F
#define ASSOCIATION_GROUP_INFO_GET_PROPERTIES1_LIST_MODE_BIT_MASK 0x40
#define ASSOCIATION_GROUP_INFO_GET_PROPERTIES1_REFRESH_CACHE_BIT_MASK 0x80
/* Values used for Association Group Info Report command */
#define ASSOCIATION_GROUP_INFO_REPORT_PROPERTIES1_GROUP_COUNT_MASK 0x3F
#define ASSOCIATION_GROUP_INFO_REPORT_PROPERTIES1_DYNAMIC_INFO_BIT_MASK 0x40
#define ASSOCIATION_GROUP_INFO_REPORT_PROPERTIES1_LIST_MODE_BIT_MASK 0x80
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_GENERAL 0x00
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL 0x20
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_SENSOR 0x31
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_NOTIFICATION 0x71
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_GENERAL_NA 0x00
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_GENERAL_LIFELINE 0x01
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY01 0x01
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY02 0x02
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY03 0x03
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY04 0x04
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY05 0x05
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY06 0x06
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY07 0x07
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY08 0x08
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY09 0x09
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY10 0x0A
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY11 0x0B
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY12 0x0C
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY13 0x0D
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY14 0x0E
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY15 0x0F
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY16 0x10
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY17 0x11
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY18 0x12
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY19 0x13
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY20 0x14
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY21 0x15
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY22 0x16
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY23 0x17
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY24 0x18
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY25 0x19
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY26 0x1A
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY27 0x1B
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY28 0x1C
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY29 0x1D
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY30 0x1E
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY31 0x1F
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY32 0x20
/* Values used for Association Group Command List Get command */
#define ASSOCIATION_GROUP_COMMAND_LIST_GET_PROPERTIES1_RESERVED_MASK 0x7F
#define ASSOCIATION_GROUP_COMMAND_LIST_GET_PROPERTIES1_ALLOW_CACHE_BIT_MASK 0x80

/* Association Grp Info command class commands */
#define ASSOCIATION_GRP_INFO_VERSION_V2 0x02
#define ASSOCIATION_GROUP_NAME_GET_V2 0x01
#define ASSOCIATION_GROUP_NAME_REPORT_V2 0x02
#define ASSOCIATION_GROUP_INFO_GET_V2 0x03
#define ASSOCIATION_GROUP_INFO_REPORT_V2 0x04
#define ASSOCIATION_GROUP_COMMAND_LIST_GET_V2 0x05
#define ASSOCIATION_GROUP_COMMAND_LIST_REPORT_V2 0x06
/* Values used for Association Group Info Get command */
#define ASSOCIATION_GROUP_INFO_GET_PROPERTIES1_RESERVED_MASK_V2 0x3F
#define ASSOCIATION_GROUP_INFO_GET_PROPERTIES1_LIST_MODE_BIT_MASK_V2 0x40
#define ASSOCIATION_GROUP_INFO_GET_PROPERTIES1_REFRESH_CACHE_BIT_MASK_V2 0x80
/* Values used for Association Group Info Report command */
#define ASSOCIATION_GROUP_INFO_REPORT_PROPERTIES1_GROUP_COUNT_MASK_V2 0x3F
#define ASSOCIATION_GROUP_INFO_REPORT_PROPERTIES1_DYNAMIC_INFO_BIT_MASK_V2 0x40
#define ASSOCIATION_GROUP_INFO_REPORT_PROPERTIES1_LIST_MODE_BIT_MASK_V2 0x80
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_GENERAL_V2 0x00
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_V2 0x20
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_SENSOR_V2 0x31
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_NOTIFICATION_V2 0x71
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_METER_V2 0x32
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_GENERAL_NA_V2 0x00
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_GENERAL_LIFELINE_V2 0x01
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY01_V2 0x01
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY02_V2 0x02
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#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY03_V2 0x03
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY04_V2 0x04
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY05_V2 0x05
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY06_V2 0x06
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY07_V2 0x07
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY08_V2 0x08
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY09_V2 0x09
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY10_V2 0x0A
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY11_V2 0x0B
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY12_V2 0x0C
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY13_V2 0x0D
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY14_V2 0x0E
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY15_V2 0x0F
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY16_V2 0x10
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY17_V2 0x11
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY18_V2 0x12
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY19_V2 0x13
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY20_V2 0x14
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY21_V2 0x15
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY22_V2 0x16
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY23_V2 0x17
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY24_V2 0x18
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY25_V2 0x19
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY26_V2 0x1A
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY27_V2 0x1B
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY28_V2 0x1C
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY29_V2 0x1D
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY30_V2 0x1E
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY31_V2 0x1F
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY32_V2 0x20
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_MULTILEVEL_SENSOR_TYPE_TEMPERATURE_V2 0x01
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_MULTILEVEL_SENSOR_TYPE_HUMIDITY_V2 0x05
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_NOTIFICATION_TYPE_SMOKE_V2 0x01
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_NOTIFICATION_TYPE_CO2_V2 0x03
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_METER_TYPE_ELECTRIC_V2 0x01
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_METER_TYPE_GAS_V2 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 0x7F
#define ASSOCIATION_GROUP_COMMAND_LIST_GET_PROPERTIES1_ALLOW_CACHE_BIT_MASK_V2 0x80

/* Association Grp Info command class commands */
#define ASSOCIATION_GRP_INFO_VERSION_V3 0x03
#define ASSOCIATION_GROUP_NAME_GET_V3 0x01
#define ASSOCIATION_GROUP_NAME_REPORT_V3 0x02
#define ASSOCIATION_GROUP_INFO_GET_V3 0x03
#define ASSOCIATION_GROUP_INFO_REPORT_V3 0x04
#define ASSOCIATION_GROUP_COMMAND_LIST_GET_V3 0x05
#define ASSOCIATION_GROUP_COMMAND_LIST_REPORT_V3 0x06
/* Values used for Association Group Info Get command */
#define ASSOCIATION_GROUP_INFO_GET_PROPERTIES1_RESERVED_MASK_V3 0x3F
#define ASSOCIATION_GROUP_INFO_GET_PROPERTIES1_LIST_MODE_BIT_MASK_V3 0x40
#define ASSOCIATION_GROUP_INFO_GET_PROPERTIES1_REFRESH_CACHE_BIT_MASK_V3 0x80
/* Values used for Association Group Info Report command */
#define ASSOCIATION_GROUP_INFO_REPORT_PROPERTIES1_GROUP_COUNT_MASK_V3 0x3F
#define ASSOCIATION_GROUP_INFO_REPORT_PROPERTIES1_DYNAMIC_INFO_BIT_MASK_V3 0x40
#define ASSOCIATION_GROUP_INFO_REPORT_PROPERTIES1_LIST_MODE_BIT_MASK_V3 0x80
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_GENERAL_V3 0x00
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_V3 0x20
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_SENSOR_V3 0x31
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_NOTIFICATION_V3 0x71
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_METER_V3 0x32
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_IRRIGATION_V3 0x6B
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_GENERAL_NA_V3 0x00
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_GENERAL_LIFELINE_V3 0x01
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY01_V3 0x01
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY02_V3 0x02
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY03_V3 0x03
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY04_V3 0x04
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY05_V3 0x05
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY06_V3 0x06
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY07_V3 0x07
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY08_V3 0x08
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY09_V3 0x09
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY10_V3 0x0A
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY11_V3 0x0B
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY12_V3 0x0C
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY13_V3 0x0D
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY14_V3 0x0E
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY15_V3 0x0F
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY16_V3 0x10

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#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY17_V3 0x11
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY18_V3 0x12
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY19_V3 0x13
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY20_V3 0x14
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY21_V3 0x15
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY22_V3 0x16
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY23_V3 0x17
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY24_V3 0x18
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY25_V3 0x19
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY26_V3 0x1A
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY27_V3 0x1B
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY28_V3 0x1C
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY29_V3 0x1D
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY30_V3 0x1E
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY31_V3 0x1F
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_CONTROL_KEY32_V3 0x20
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_MULTILEVEL_SENSOR_TYPE_TEMPERATURE_V3 0x01
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_MULTILEVEL_SENSOR_TYPE_HUMIDITY_V3 0x05
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_NOTIFICATION_TYPE_SMOKE_V3 0x01
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_NOTIFICATION_TYPE_CO2_V3 0x03
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_METER_TYPE_ELECTRIC_V3 0x01
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_METER_TYPE_GAS_V3 0x02
#define ASSOCIATION_GROUP_INFO_REPORT_PROFILE_METER_TYPE_WATER_V3 0x03
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_01_V3 0x01
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_02_V3 0x02
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_03_V3 0x03
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_04_V3 0x04
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_05_V3 0x05
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_06_V3 0x06
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_07_V3 0x07
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_08_V3 0x08
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_09_V3 0x09
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_10_V3 0x0A
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_11_V3 0x0B
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_12_V3 0x0C
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_13_V3 0x0D
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_14_V3 0x0E
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_15_V3 0x0F
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_16_V3 0x10
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_17_V3 0x11
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_18_V3 0x12
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_19_V3 0x13
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_20_V3 0x14
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_21_V3 0x15
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_22_V3 0x16
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_23_V3 0x17
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_24_V3 0x18
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_25_V3 0x19
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_26_V3 0x1A
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_27_V3 0x1B
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_28_V3 0x1C
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_29_V3 0x1D
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_30_V3 0x1E
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_31_V3 0x1F
#define ASSOCIATION_GROUP_INFO_REPORT_IRRIGATION_CHANNEL_32_V3 0x20
/* Values used for Association Group Command List Get command */
#define ASSOCIATION_GROUP_COMMAND_LIST_GET_PROPERTIES1_RESERVED_MASK_V3 0x7F
#define ASSOCIATION_GROUP_COMMAND_LIST_GET_PROPERTIES1_ALLOW_CACHE_BIT_MASK_V3 0x80

/* Device Reset Locally command class commands */
#define DEVICE_RESET_LOCALLY_VERSION 0x01
#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 0x02
#define CENTRAL_SCENE_NOTIFICATION 0x03
/* Values used for Central Scene Notification command */
#define CENTRAL_SCENE_NOTIFICATION_PROPERTIES1_KEY_ATTRIBUTES_MASK 0x07
#define CENTRAL_SCENE_NOTIFICATION_PROPERTIES1_RESERVED_MASK 0xF8
#define CENTRAL_SCENE_NOTIFICATION_PROPERTIES1_RESERVED_SHIFT 0x03

/* Central Scene command class commands */
#define CENTRAL_SCENE_VERSION_V2 0x02
#define CENTRAL_SCENE_SUPPORTED_GET_V2 0x01
#define CENTRAL_SCENE_SUPPORTED_REPORT_V2 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 0x01
#define CENTRAL_SCENE_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASK_BYTES_MASK_V2 0x06

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#define CENTRAL_SCENE_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASK_BYTES_SHIFT_V2 0x01
#define CENTRAL_SCENE_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V2 0xF8
#define CENTRAL_SCENE_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V2 0x03
/* Values used for Central Scene Notification command */
#define CENTRAL_SCENE_NOTIFICATION_PROPERTIES1_KEY_ATTRIBUTES_MASK_V2 0x07
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_1_TIME_V2 0x00
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_RELEASED_V2 0x01
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_HELD_DOWN_V2 0x02
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_2_TIMES_V2 0x03
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_3_TIMES_V2 0x04
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_4_TIMES_V2 0x05
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_5_TIMES_V2 0x06
#define CENTRAL_SCENE_NOTIFICATION_PROPERTIES1_RESERVED_MASK_V2 0xF8
#define CENTRAL_SCENE_NOTIFICATION_PROPERTIES1_RESERVED_SHIFT_V2 0x03

/* Central Scene command class commands */
#define CENTRAL_SCENE_VERSION_V3 0x03
#define CENTRAL_SCENE_SUPPORTED_GET_V3 0x01
#define CENTRAL_SCENE_SUPPORTED_REPORT_V3 0x02
#define CENTRAL_SCENE_NOTIFICATION_V3 0x03
#define CENTRAL_SCENE_CONFIGURATION_SET_V3 0x04
#define CENTRAL_SCENE_CONFIGURATION_GET_V3 0x05
#define CENTRAL_SCENE_CONFIGURATION_REPORT_V3 0x06
/* Values used for Central Scene Supported Report command */
#define CENTRAL_SCENE_SUPPORTED_REPORT_PROPERTIES1_IDENTICAL_BIT_MASK_V3 0x01
#define CENTRAL_SCENE_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASK_BYTES_MASK_V3 0x06
#define CENTRAL_SCENE_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_BIT_MASK_BYTES_SHIFT_V3 0x01
#define CENTRAL_SCENE_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK_V3 0x78
#define CENTRAL_SCENE_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT_V3 0x03
#define CENTRAL_SCENE_SUPPORTED_REPORT_PROPERTIES1_SLOW_REFRESH_SUPPORT_BIT_MASK_V3 0x80
/* Values used for Central Scene Notification command */
#define CENTRAL_SCENE_NOTIFICATION_PROPERTIES1_KEY_ATTRIBUTES_MASK_V3 0x07
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_1_TIME_V3 0x00
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_RELEASED_V3 0x01
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_HELD_DOWN_V3 0x02
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_2_TIMES_V3 0x03
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_3_TIMES_V3 0x04
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_4_TIMES_V3 0x05
#define CENTRAL_SCENE_NOTIFICATION_KEY_ATTRIBUTES_KEY_PRESSED_5_TIMES_V3 0x06
#define CENTRAL_SCENE_NOTIFICATION_PROPERTIES1_RESERVED_MASK_V3 0x78
#define CENTRAL_SCENE_NOTIFICATION_PROPERTIES1_RESERVED_SHIFT_V3 0x03
#define CENTRAL_SCENE_NOTIFICATION_PROPERTIES1_SLOW_REFRESH_BIT_MASK_V3 0x80
/* Values used for Central Scene Configuration Set command */
#define CENTRAL_SCENE_CONFIGURATION_SET_PROPERTIES1_RESERVED_MASK_V3 0x7F
#define CENTRAL_SCENE_CONFIGURATION_SET_PROPERTIES1_SLOW_REFRESH_BIT_MASK_V3 0x80
/* Values used for Central Scene Configuration Report command */
#define CENTRAL_SCENE_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_MASK_V3 0x7F
#define CENTRAL_SCENE_CONFIGURATION_REPORT_PROPERTIES1_SLOW_REFRESH_BIT_MASK_V3 0x80

/* Ip Association command class commands */
#define IP_ASSOCIATION_VERSION 0x01
#define IP_ASSOCIATION_SET 0x01
#define IP_ASSOCIATION_GET 0x02
#define IP_ASSOCIATION_REPORT 0x03
#define IP_ASSOCIATION_REMOVE 0x04

/* Antitheft command class commands */
#define ANTITHEFT_VERSION 0x01
#define ANTITHEFT_SET 0x01
#define ANTITHEFT_GET 0x02
#define ANTITHEFT_REPORT 0x03
/* Values used for Antitheft Set command */
#define ANTITHEFT_SET_PROPERTIES1_NUMBER_OF_MAGIC_CODE_BYTES_MASK 0x7F
#define ANTITHEFT_SET_PROPERTIES1_ENABLE_BIT_MASK 0x80

/* Antitheft command class commands */
#define ANTITHEFT_VERSION_V2 0x02
#define ANTITHEFT_SET_V2 0x01
#define ANTITHEFT_GET_V2 0x02
#define ANTITHEFT_REPORT_V2 0x03
/* Values used for Antitheft Set command */
#define ANTITHEFT_SET_PROPERTIES1_NUMBER_OF_MAGIC_CODE_BYTES_MASK_V2 0x7F
#define ANTITHEFT_SET_PROPERTIES1_ENABLE_BIT_MASK_V2 0x80

/* Zwaveplus Info command class commands */
#define ZWAVEPLUS_INFO_VERSION 0x01
#define ZWAVEPLUS_INFO_GET 0x01
#define ZWAVEPLUS_INFO_REPORT 0x02
/* Values used for Zwaveplus Info Report command */
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_CONTROLLER_CENTRAL_STATIC 0x00
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_CONTROLLER_SUB_STATIC 0x01

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#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_CONTROLLER_PORTABLE 0x02
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_CONTROLLER_PORTABLE_REPORTING 0x03
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_PORTABLE 0x04
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_ALWAYS_ON 0x05
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_SLEEPING_REPORTING 0x06
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_SLEEPING_LISTENING 0x07
#define ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_NODE 0x00
#define ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_FOR_IP_ROUTER 0x01
#define ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_FOR_IP_GATEWAY 0x02
#define ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_FOR_IP_CLIENT_IP_NODE 0x03
#define ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_FOR_IP_CLIENT_ZWAVE_NODE 0x04

/* Zwaveplus Info command class commands */
#define ZWAVEPLUS_INFO_VERSION_V2 0x02
#define ZWAVEPLUS_INFO_GET_V2 0x01
#define ZWAVEPLUS_INFO_REPORT_V2 0x02
/* Values used for Zwaveplus Info Report command */
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_CONTROLLER_CENTRAL_STATIC_V2 0x00
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_CONTROLLER_SUB_STATIC_V2 0x01
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_CONTROLLER_PORTABLE_V2 0x02
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_CONTROLLER_PORTABLE_REPORTING_V2 0x03
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_PORTABLE_V2 0x04
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_ALWAYS_ON_V2 0x05
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_SLEEPING_REPORTING_V2 0x06
#define ZWAVEPLUS_INFO_REPORT_ROLE_TYPE_SLAVE_SLEEPING_LISTENING_V2 0x07
#define ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_NODE_V2 0x00
#define ZWAVEPLUS_INFO_REPORT_NODE_TYPE_ZWAVEPLUS_FOR_IP_GATEWAY_V2 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 0x03
#define GATEWAY_PEER_SET 0x04
#define GATEWAY_PEER_GET 0x05
#define GATEWAY_PEER_REPORT 0x06
#define GATEWAY_LOCK_SET 0x07
#define UNSOLICITED_DESTINATION_SET 0x08
#define UNSOLICITED_DESTINATION_GET 0x09
#define UNSOLICITED_DESTINATION_REPORT 0x0A
#define COMMAND_APPLICATION_NODE_INFO_SET 0x0B
#define COMMAND_APPLICATION_NODE_INFO_GET 0x0C
#define COMMAND_APPLICATION_NODE_INFO_REPORT 0x0D
/* Values used for Gateway Mode Set command */
#define GATEWAY_MODE_SET_STAND_ALONE 0x01
#define GATEWAY_MODE_SET_PORTAL 0x02
/* Values used for Gateway Mode Report command */
#define GATEWAY_MODE_REPORT_STAND_ALONE 0x01
#define GATEWAY_MODE_REPORT_PORTAL 0x02
/* Values used for Gateway Peer Set command */
#define GATEWAY_PEER_SET_PROPERTIES1_PEER_NAME_LENGTH_MASK 0x3F
#define GATEWAY_PEER_SET_PROPERTIES1_RESERVED_MASK 0xC0
#define GATEWAY_PEER_SET_PROPERTIES1_RESERVED_SHIFT 0x06
/* Values used for Gateway Peer Report command */
#define GATEWAY_PEER_REPORT_PROPERTIES1_PEER_NAME_LENGTH_MASK 0x3F
#define GATEWAY_PEER_REPORT_PROPERTIES1_RESERVED_MASK 0xC0
#define GATEWAY_PEER_REPORT_PROPERTIES1_RESERVED_SHIFT 0x06
/* Values used for Gateway Lock Set command */
#define GATEWAY_LOCK_SET_PROPERTIES1_LOCK_BIT_MASK 0x01
#define GATEWAY_LOCK_SET_PROPERTIES1_SHOW_BIT_MASK 0x02
#define GATEWAY_LOCK_SET_PROPERTIES1_RESERVED_MASK 0xFC
#define GATEWAY_LOCK_SET_PROPERTIES1_RESERVED_SHIFT 0x02
/* Values used for Command Application Node Info Set command */
#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 0x01
#define GATEWAY_CONFIGURATION_STATUS 0x02
#define GATEWAY_CONFIGURATION_GET 0x03
#define GATEWAY_CONFIGURATION_REPORT 0x04

/* Dmx command class commands */
#define DMX_VERSION 0x01
#define DMX_ADDRESS_SET 0x01
#define DMX_ADDRESS_GET 0x02
#define DMX_ADDRESS_REPORT 0x03
#define DMX_CAPABILITY_GET 0x04
#define DMX_CAPABILITY_REPORT 0x05

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#define DMX_DATA 0x06
/* Values used for Dmx Address Set command */
#define DMX_ADDRESS_SET_PROPERTIES1_PAGE_ID_MASK 0x0F
#define DMX_ADDRESS_SET_PROPERTIES1_RESERVED_MASK 0xF0
#define DMX_ADDRESS_SET_PROPERTIES1_RESERVED_SHIFT 0x04
/* Values used for Dmx Address Report command */
#define DMX_ADDRESS_REPORT_PROPERTIES1_PAGE_ID_MASK 0x0F
#define DMX_ADDRESS_REPORT_PROPERTIES1_RESERVED_MASK 0xF0
#define DMX_ADDRESS_REPORT_PROPERTIES1_RESERVED_SHIFT 0x04
/* Values used for Dmx Data command */
#define DMX_DATA_PROPERTIES1_PAGE_MASK 0x0F
#define DMX_DATA_PROPERTIES1_SEQUENCE_NO_MASK 0x30
#define DMX_DATA_PROPERTIES1_SEQUENCE_NO_SHIFT 0x04
#define DMX_DATA_PROPERTIES1_RESERVED_MASK 0xC0
#define DMX_DATA_PROPERTIES1_RESERVED_SHIFT 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 0x03
#define BARRIER_OPERATOR_SIGNAL_SUPPORTED_GET 0x04
#define BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT 0x05
#define BARRIER_OPERATOR_SIGNAL_SET 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 0x00
#define BARRIER_OPERATOR_SET_OPEN 0xFF
/* Values used for Barrier Operator Report command */
#define BARRIER_OPERATOR_REPORT_CLOSED 0x00
#define BARRIER_OPERATOR_REPORT_CLOSING 0xFC
#define BARRIER_OPERATOR_REPORT_STOPPED 0xFD
#define BARRIER_OPERATOR_REPORT_OPENING 0xFE
#define BARRIER_OPERATOR_REPORT_OPEN 0xFF
/* Values used for Barrier Operator Signal Set command */
#define BARRIER_OPERATOR_SIGNAL_SET_OFF 0x00
#define BARRIER_OPERATOR_SIGNAL_SET_ON 0xFF
/* Values used for Barrier Operator Signal Report command */
#define BARRIER_OPERATOR_SIGNAL_REPORT_OFF 0x00
#define BARRIER_OPERATOR_SIGNAL_REPORT_ON 0xFF

/* Network Management Installation Maintenance command class commands */
#define NETWORK_MANAGEMENT_INSTALLATION_MAINTENANCE_VERSION 0x01
#define LAST_WORKING_ROUTE_SET 0x01
#define LAST_WORKING_ROUTE_GET 0x02
#define LAST_WORKING_ROUTE_REPORT 0x03
#define STATISTICS_GET 0x04
#define STATISTICS_REPORT 0x05
#define STATISTICS_CLEAR 0x06
/* Values used for Last Working Route Set command */
#define LAST_WORKING_ROUTE_SET_9_6_KBIT_SEC 0x01
#define LAST_WORKING_ROUTE_SET_40_KBIT_SEC 0x02
#define LAST_WORKING_ROUTE_SET_100_KBIT_SEC 0x03
/* Values used for Last Working Route Report command */
#define LAST_WORKING_ROUTE_REPORT_9_6_KBIT_SEC 0x01
#define LAST_WORKING_ROUTE_REPORT_40_KBIT_SEC 0x02
#define LAST_WORKING_ROUTE_REPORT_100_KBIT_SEC 0x03
/* Values used for Statistics Report command */
#define STATISTICS_REPORT_ROUTE_CHANGES_RC 0x00
#define STATISTICS_REPORT_TRANSMISSION_COUNT_TC 0x01
#define STATISTICS_REPORT_NEIGHBORS_NB 0x02
#define STATISTICS_REPORT_PACKET_ERROR_COUNT_PEC 0x03
#define STATISTICS_REPORT_SUM_OF_TRANSMISSION_TIMES_TS 0x04
#define STATISTICS_REPORT_SUM_OF_TRANSMISSION_TIMES_SQUARED_TS2 0x05

/* Zip Naming command class commands */
#define ZIP_NAMING_VERSION 0x01
#define ZIP_NAMING_NAME_SET 0x01
#define ZIP_NAMING_NAME_GET 0x02
#define ZIP_NAMING_NAME_REPORT 0x03
#define ZIP_NAMING_LOCATION_SET 0x04
#define ZIP_NAMING_LOCATION_GET 0x05
#define ZIP_NAMING_LOCATION_REPORT 0x06

/* Mailbox command class commands */
#define MAILBOX_VERSION 0x01
#define MAILBOX_CONFIGURATION_GET 0x01
#define MAILBOX_CONFIGURATION_SET 0x02
#define MAILBOX_CONFIGURATION_REPORT 0x03
#define MAILBOX_QUEUE 0x04

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#define MAILBOX_WAKEUP_NOTIFICATION 0x05
#define MAILBOX_NODE_FAILING 0x06
/* Values used for Mailbox Configuration Set command */
#define MAILBOX_CONFIGURATION_SET_PROPERTIES1_MODE_MASK 0x07
#define MAILBOX_CONFIGURATION_SET_MODE_DISABLE 0x00
#define MAILBOX_CONFIGURATION_SET_MODE_ENABLE_MAILBOX_SERVICE 0x01
#define MAILBOX_CONFIGURATION_SET_MODE_ENABLE_MAILBOX_PROXY 0x02
#define MAILBOX_CONFIGURATION_SET_PROPERTIES1_RESERVED_MASK 0xF8
#define MAILBOX_CONFIGURATION_SET_PROPERTIES1_RESERVED_SHIFT 0x03
/* Values used for Mailbox Configuration Report command */
#define MAILBOX_CONFIGURATION_REPORT_PROPERTIES1_MODE_MASK 0x07
#define MAILBOX_CONFIGURATION_REPORT_MODE_DISABLE 0x00
#define MAILBOX_CONFIGURATION_REPORT_MODE_ENABLE_MAILBOX_SERVICE 0x01
#define MAILBOX_CONFIGURATION_REPORT_MODE_ENABLE_MAILBOX_PROXY 0x02
#define MAILBOX_CONFIGURATION_REPORT_PROPERTIES1_SUPPORTED_MODES_MASK 0x18
#define MAILBOX_CONFIGURATION_REPORT_PROPERTIES1_SUPPORTED_MODES_SHIFT 0x03
#define MAILBOX_CONFIGURATION_REPORT_SUPPORTED_MODES_MAILBOX_SERVICE_SUPPORTED 0x00
#define MAILBOX_CONFIGURATION_REPORT_SUPPORTED_MODES_MAILBOX_PROXY_SUPPORTED 0x01
#define MAILBOX_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_MASK 0xE0
#define MAILBOX_CONFIGURATION_REPORT_PROPERTIES1_RESERVED_SHIFT 0x05
/* Values used for Mailbox Queue command */
#define MAILBOX_QUEUE_PROPERTIES1_MODE_MASK 0x03
#define MAILBOX_QUEUE_MODE_PUSH 0x00
#define MAILBOX_QUEUE_MODE_POP 0x01
#define MAILBOX_QUEUE_MODE_WAITING 0x02
#define MAILBOX_QUEUE_MODE_PING 0x03
#define MAILBOX_QUEUE_MODE_ACK 0x04
#define MAILBOX_QUEUE_MODE_NACK 0x05
#define MAILBOX_QUEUE_MODE_QUEUE_FULL 0x06
#define MAILBOX_QUEUE_PROPERTIES1_LAST_BIT_MASK 0x04
#define MAILBOX_QUEUE_PROPERTIES1_RESERVED_MASK 0xF8
#define MAILBOX_QUEUE_PROPERTIES1_RESERVED_SHIFT 0x03

/* Window Covering command class commands */
#define WINDOW_COVERING_VERSION 0x01
#define WINDOW_COVERING_SUPPORTED_GET 0x01
#define WINDOW_COVERING_SUPPORTED_REPORT 0x02
#define WINDOW_COVERING_GET 0x03
#define WINDOW_COVERING_REPORT 0x04
#define WINDOW_COVERING_SET 0x05
#define WINDOW_COVERING_START_LEVEL_CHANGE 0x06
#define WINDOW_COVERING_STOP_LEVEL_CHANGE 0x07
/* Values used for Window Covering Supported Report command */
#define WINDOW_COVERING_SUPPORTED_REPORT_PROPERTIES1_NUMBER_OF_PARAMETER_MASK_BYTES_MASK 0x0F
#define WINDOW_COVERING_SUPPORTED_REPORT_PROPERTIES1_RESERVED_MASK 0xF0
#define WINDOW_COVERING_SUPPORTED_REPORT_PROPERTIES1_RESERVED_SHIFT 0x04
/* Values used for Window Covering Get command */
#define WINDOW_COVERING_GET_OUT_LEFT_1 0x00
#define WINDOW_COVERING_GET_OUT_LEFT_2 0x01
#define WINDOW_COVERING_GET_OUT_RIGHT_1 0x02
#define WINDOW_COVERING_GET_OUT_RIGHT_2 0x03
#define WINDOW_COVERING_GET_IN_LEFT_1 0x04
#define WINDOW_COVERING_GET_IN_LEFT_2 0x05
#define WINDOW_COVERING_GET_IN_RIGHT_1 0x06
#define WINDOW_COVERING_GET_IN_RIGHT_2 0x07
#define WINDOW_COVERING_GET_IN_RIGHT_LEFT_1 0x08
#define WINDOW_COVERING_GET_IN_RIGHT_LEFT_2 0x09
#define WINDOW_COVERING_GET_VERTICAL_SLATS_ANGLE_1 0x0A
#define WINDOW_COVERING_GET_VERTICAL_SLATS_ANGLE_2 0x0B
#define WINDOW_COVERING_GET_OUT_BOTTOM_1 0x0C
#define WINDOW_COVERING_GET_OUT_BOTTOM_2 0x0D
#define WINDOW_COVERING_GET_OUT_TOP_1 0x0E
#define WINDOW_COVERING_GET_OUT_TOP_2 0x0F
#define WINDOW_COVERING_GET_IN_BOTTOM_1 0x10
#define WINDOW_COVERING_GET_IN_BOTTOM_2 0x11
#define WINDOW_COVERING_GET_IN_TOP_1 0x12
#define WINDOW_COVERING_GET_IN_TOP_2 0x13
#define WINDOW_COVERING_GET_IN_TOP_BOTTOM_1 0x14
#define WINDOW_COVERING_GET_IN_TOP_BOTTOM_2 0x15
#define WINDOW_COVERING_GET_HORIZONTAL_SLATS_ANGLE_1 0x16
#define WINDOW_COVERING_GET_HORIZONTAL_SLATS_ANGLE_2 0x17
/* Values used for Window Covering Report command */
#define WINDOW_COVERING_REPORT_OUT_LEFT_1 0x00
#define WINDOW_COVERING_REPORT_OUT_LEFT_2 0x01
#define WINDOW_COVERING_REPORT_OUT_RIGHT_1 0x02
#define WINDOW_COVERING_REPORT_OUT_RIGHT_2 0x03
#define WINDOW_COVERING_REPORT_IN_LEFT_1 0x04
#define WINDOW_COVERING_REPORT_IN_LEFT_2 0x05
#define WINDOW_COVERING_REPORT_IN_RIGHT_1 0x06
#define WINDOW_COVERING_REPORT_IN_RIGHT_2 0x07
#define WINDOW_COVERING_REPORT_IN_RIGHT_LEFT_1 0x08
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#define WINDOW_COVERING_REPORT_IN_RIGHT_LEFT_2 0x09
#define WINDOW_COVERING_REPORT_VERTICAL_SLATS_ANGLE_1 0x0A
#define WINDOW_COVERING_REPORT_VERTICAL_SLATS_ANGLE_2 0x0B
#define WINDOW_COVERING_REPORT_OUT_BOTTOM_1 0x0C
#define WINDOW_COVERING_REPORT_OUT_BOTTOM_2 0x0D
#define WINDOW_COVERING_REPORT_OUT_TOP_1 0x0E
#define WINDOW_COVERING_REPORT_OUT_TOP_2 0x0F
#define WINDOW_COVERING_REPORT_IN_BOTTOM_1 0x10
#define WINDOW_COVERING_REPORT_IN_BOTTOM_2 0x11
#define WINDOW_COVERING_REPORT_IN_TOP_1 0x0B
#define WINDOW_COVERING_REPORT_IN_TOP_2 0x12
#define WINDOW_COVERING_REPORT_IN_TOP_BOTTOM_1 0x13
#define WINDOW_COVERING_REPORT_IN_TOP_BOTTOM_2 0x14
#define WINDOW_COVERING_REPORT_HORIZONTAL_SLATS_ANGLE_1 0x15
#define WINDOW_COVERING_REPORT_HORIZONTAL_SLATS_ANGLE_2 0x16
/* Values used for Window Covering Set command */
#define WINDOW_COVERING_SET_PROPERTIES1_PARAMETER_COUNT_MASK 0x1F
#define WINDOW_COVERING_SET_PROPERTIES1_RESERVED_MASK 0xE0
#define WINDOW_COVERING_SET_PROPERTIES1_RESERVED_SHIFT 0x05
#define WINDOW_COVERING_SET_OUT_LEFT_1 0x00
#define WINDOW_COVERING_SET_OUT_LEFT_2 0x01
#define WINDOW_COVERING_SET_OUT_RIGHT_1 0x02
#define WINDOW_COVERING_SET_OUT_RIGHT_2 0x03
#define WINDOW_COVERING_SET_IN_LEFT_1 0x04
#define WINDOW_COVERING_SET_IN_LEFT_2 0x05
#define WINDOW_COVERING_SET_IN_RIGHT_1 0x06
#define WINDOW_COVERING_SET_IN_RIGHT_2 0x07
#define WINDOW_COVERING_SET_IN_RIGHT_LEFT_1 0x08
#define WINDOW_COVERING_SET_IN_RIGHT_LEFT_2 0x09
#define WINDOW_COVERING_SET_VERTICAL_SLATS_ANGLE_1 0x0A
#define WINDOW_COVERING_SET_VERTICAL_SLATS_ANGLE_2 0x0B
#define WINDOW_COVERING_SET_OUT_BOTTOM_1 0x0C
#define WINDOW_COVERING_SET_OUT_BOTTOM_2 0x0D
#define WINDOW_COVERING_SET_OUT_TOP_1 0x0E
#define WINDOW_COVERING_SET_OUT_TOP_2 0x0F
#define WINDOW_COVERING_SET_IN_BOTTOM_1 0x10
#define WINDOW_COVERING_SET_IN_BOTTOM_2 0x11
#define WINDOW_COVERING_SET_IN_TOP_1 0x0B
#define WINDOW_COVERING_SET_IN_TOP_2 0x12
#define WINDOW_COVERING_SET_IN_TOP_BOTTOM_1 0x13
#define WINDOW_COVERING_SET_IN_TOP_BOTTOM_2 0x14
#define WINDOW_COVERING_SET_HORIZONTAL_SLATS_ANGLE_1 0x15
#define WINDOW_COVERING_SET_HORIZONTAL_SLATS_ANGLE_2 0x16
/* Values used for Window Covering Start Level Change command */
#define WINDOW_COVERING_START_LEVEL_CHANGE_PROPERTIES1_RES1_MASK 0x3F
#define WINDOW_COVERING_START_LEVEL_CHANGE_PROPERTIES1_UP_DOWN_BIT_MASK 0x40
#define WINDOW_COVERING_START_LEVEL_CHANGE_PROPERTIES1_RES2_BIT_MASK 0x80
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_LEFT_1 0x00
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_LEFT_2 0x01
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_RIGHT_1 0x02
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_RIGHT_2 0x03
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_LEFT_1 0x04
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_LEFT_2 0x05
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_RIGHT_1 0x06
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_RIGHT_2 0x07
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_RIGHT_LEFT_1 0x08
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_RIGHT_LEFT_2 0x09
#define WINDOW_COVERING_START_LEVEL_CHANGE_VERTICAL_SLATS_ANGLE_1 0x0A
#define WINDOW_COVERING_START_LEVEL_CHANGE_VERTICAL_SLATS_ANGLE_2 0x0B
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_BOTTOM_1 0x0C
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_BOTTOM_2 0x0D
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_TOP_1 0x0E
#define WINDOW_COVERING_START_LEVEL_CHANGE_OUT_TOP_2 0x0F
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_BOTTOM_1 0x10
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_BOTTOM_2 0x11
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_TOP_1 0x0B
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_TOP_2 0x12
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_TOP_BOTTOM_1 0x13
#define WINDOW_COVERING_START_LEVEL_CHANGE_IN_TOP_BOTTOM_2 0x14
#define WINDOW_COVERING_START_LEVEL_CHANGE_HORIZONTAL_SLATS_ANGLE_1 0x15
#define WINDOW_COVERING_START_LEVEL_CHANGE_HORIZONTAL_SLATS_ANGLE_2 0x16
/* Values used for Window Covering Stop Level Change command */
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_LEFT_1 0x00
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_LEFT_2 0x01
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_RIGHT_1 0x02
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_RIGHT_2 0x03
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_LEFT_1 0x04
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_LEFT_2 0x05
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_RIGHT_1 0x06
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_RIGHT_2 0x07
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_RIGHT_LEFT_1 0x08
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#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_RIGHT_LEFT_2 0x09
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_VERTICAL_SLATS_ANGLE_1 0x0A
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_VERTICAL_SLATS_ANGLE_2 0x0B
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_BOTTOM_1 0x0C
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_BOTTOM_2 0x0D
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_TOP_1 0x0E
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_OUT_TOP_2 0x0F
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_BOTTOM_1 0x10
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_BOTTOM_2 0x11
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_TOP_1 0x0B
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_TOP_2 0x12
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_TOP_BOTTOM_1 0x13
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_IN_TOP_BOTTOM_2 0x14
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_HORIZONTAL_SLATS_ANGLE_1 0x15
#define WINDOW_COVERING_STOP_LEVEL_CHANGE_HORIZONTAL_SLATS_ANGLE_2 0x16

/* Security 2 command class commands */
#define SECURITY_2_VERSION 0x01
#define SECURITY_2_NONCE_GET 0x01
#define SECURITY_2_NONCE_REPORT 0x02
#define SECURITY_2_MESSAGE_ENCAPSULATION 0x03
#define KEX_GET 0x04
#define KEX_REPORT 0x05
#define KEX_SET 0x06
#define KEX_FAIL 0x07
#define PUBLIC_KEY_REPORT 0x08
#define SECURITY_2_NETWORK_KEY_GET 0x09
#define SECURITY_2_NETWORK_KEY_REPORT 0x0A
#define SECURITY_2_NETWORK_KEY_VERIFY 0x0B
#define SECURITY_2_TRANSFER_END 0x0C
#define SECURITY_2_COMMANDS_SUPPORTED_GET 0x0D
#define SECURITY_2_COMMANDS_SUPPORTED_REPORT 0x0E
#define SECURITY_2_CAPABILITIES_GET 0x0F
#define SECURITY_2_CAPABILITIES_REPORT 0x10
/* Values used for Security 2 Nonce Report command */
#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_RESERVED_MASK 0xFC
#define SECURITY_2_NONCE_REPORT_PROPERTIES1_RESERVED_SHIFT 0x02
/* Values used for Security 2 Message Encapsulation command */
#define SECURITY_2_MESSAGE_ENCAPSULATION_PROPERTIES1_EXTENSION_BIT_MASK 0x01
#define SECURITY_2_MESSAGE_ENCAPSULATION_PROPERTIES1_ENCRYPTED_EXTENSION_BIT_MASK 0x02
#define SECURITY_2_MESSAGE_ENCAPSULATION_PROPERTIES1_RESERVED_MASK 0xFC
#define SECURITY_2_MESSAGE_ENCAPSULATION_PROPERTIES1_RESERVED_SHIFT 0x02
/* Values used for Kex Report command */
#define KEX_REPORT_PROPERTIES1_ECHO_BIT_MASK 0x01
#define KEX_REPORT_PROPERTIES1_REQUEST_CSA_BIT_MASK 0x02
#define KEX_REPORT_PROPERTIES1_RESERVED_MASK 0xFC
#define KEX_REPORT_PROPERTIES1_RESERVED_SHIFT 0x02
/* Values used for Kex Set command */
#define KEX_SET_PROPERTIES1_ECHO_BIT_MASK 0x01
#define KEX_SET_PROPERTIES1_REQUEST_CSA_BIT_MASK 0x02
#define KEX_SET_PROPERTIES1_RESERVED_MASK 0xFC
#define KEX_SET_PROPERTIES1_RESERVED_SHIFT 0x02
/* Values used for Kex Fail command */
#define KEX_FAIL_KEX_KEY 0x01
#define KEX_FAIL_KEX_SCHEME 0x02
#define KEX_FAIL_KEX_CURVES 0x03
#define KEX_FAIL_DECRYPT 0x05
#define KEX_FAIL_CANCEL 0x06
#define KEX_FAIL_AUTH 0x07
#define KEX_FAIL_KEY_GET 0x08
#define KEX_FAIL_KEY_VERIFY 0x09
#define KEX_FAIL_KEY_REPORT 0x0A
/* Values used for Public Key Report command */
#define PUBLIC_KEY_REPORT_PROPERTIES1_INCLUDING_NODE_BIT_MASK 0x01
#define PUBLIC_KEY_REPORT_PROPERTIES1_RESERVED_MASK 0xFE
#define PUBLIC_KEY_REPORT_PROPERTIES1_RESERVED_SHIFT 0x01
/* Values used for Security 2 Transfer End command */
#define SECURITY_2_TRANSFER_END_PROPERTIES1_KEY_REQUEST_COMPLETE_BIT_MASK 0x01
#define SECURITY_2_TRANSFER_END_PROPERTIES1_KEY_VERIFIED_BIT_MASK 0x02
#define SECURITY_2_TRANSFER_END_PROPERTIES1_RESERVED_MASK 0xFC
#define SECURITY_2_TRANSFER_END_PROPERTIES1_RESERVED_SHIFT 0x02

/* Irrigation command class commands */
#define IRRIGATION_VERSION 0x01
#define IRRIGATION_SYSTEM_INFO_GET 0x01
#define IRRIGATION_SYSTEM_INFO_REPORT 0x02
#define IRRIGATION_SYSTEM_STATUS_GET 0x03
#define IRRIGATION_SYSTEM_STATUS_REPORT 0x04
#define IRRIGATION_SYSTEM_CONFIG_SET 0x05
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#define IRRIGATION_SYSTEM_CONFIG_GET 0x06
#define IRRIGATION_SYSTEM_CONFIG_REPORT 0x07
#define IRRIGATION_VALVE_INFO_GET 0x08
#define IRRIGATION_VALVE_INFO_REPORT 0x09
#define IRRIGATION_VALVE_CONFIG_SET 0x0A
#define IRRIGATION_VALVE_CONFIG_GET 0x0B
#define IRRIGATION_VALVE_CONFIG_REPORT 0x0C
#define IRRIGATION_VALVE_RUN 0x0D
#define IRRIGATION_VALVE_TABLE_SET 0x0E
#define IRRIGATION_VALVE_TABLE_GET 0x0F
#define IRRIGATION_VALVE_TABLE_REPORT 0x10
#define IRRIGATION_VALVE_TABLE_RUN 0x11
#define IRRIGATION_SYSTEM_SHUTOFF 0x12
/* 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 0x06
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES1_RESERVED1_SHIFT 0x01
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES1_RESERVED2_MASK 0x18
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES1_RESERVED2_SHIFT 0x03
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES1_RESERVED3_MASK 0x00
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES1_RESERVED3_SHIFT 0x05
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES2_VALVE_TABLE_MAX_SIZE_MASK 0x0F
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES2_RESERVED_MASK 0xF0
#define IRRIGATION_SYSTEM_INFO_REPORT_PROPERTIES2_RESERVED_SHIFT 0x04
/* Values used for Irrigation System Status Report command */
#define IRRIGATION_SYSTEM_STATUS_REPORT_FLOW_SENSOR_DETECTED 0x00
#define IRRIGATION_SYSTEM_STATUS_REPORT_PRESSURE_SENSOR_DETECTED 0x01
#define IRRIGATION_SYSTEM_STATUS_REPORT_RAIN_SENSOR_DETECTED 0x02
#define IRRIGATION_SYSTEM_STATUS_REPORT_MOISTURE_SENSOR_DETECTED 0x03
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES1_FLOW_SIZE_MASK 0x07
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES1_FLOW_SCALE_MASK 0x18
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES1_FLOW_SCALE_SHIFT 0x03
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES1_FLOW_PRECISION_MASK 0xE0
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES1_FLOW_PRECISION_SHIFT 0x05
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES2_PRESSURE_SIZE_MASK 0x07
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES2_PRESSURE_SCALE_MASK 0x18
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES2_PRESSURE_SCALE_SHIFT 0x03
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES2_PRESSURE_PRECISION_MASK 0xE0
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES2_PRESSURE_PRECISION_SHIFT 0x05
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES3_MASTER_VALVE_BIT_MASK 0x01
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES3_RESERVED_MASK 0xFE
#define IRRIGATION_SYSTEM_STATUS_REPORT_PROPERTIES3_RESERVED_SHIFT 0x01
/* 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_SCALE_MASK 0x18
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES1_HIGH_PRESSURE_THRESHOLD_SCALE_SHIFT 0x03
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES1_HIGH_PRESSURE_THRESHOLD_PRECISION_MASK 0xE0
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES1_HIGH_PRESSURE_THRESHOLD_PRECISION_SHIFT 0x05
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES2_LOW_PRESSURE_THRESHOLD_SIZE_MASK 0x07
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES2_LOW_PRESSURE_THRESHOLD_SCALE_MASK 0x18
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES2_LOW_PRESSURE_THRESHOLD_SCALE_SHIFT 0x03
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES2_LOW_PRESSURE_THRESHOLD_PRECISION_MASK 0xE0
#define IRRIGATION_SYSTEM_CONFIG_SET_PROPERTIES2_LOW_PRESSURE_THRESHOLD_PRECISION_SHIFT 0x05
/* 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_SHIFT 0x05
#define IRRIGATION_SYSTEM_CONFIG_REPORT_PROPERTIES2_LOW_PRESSURE_THRESHOLD_SIZE_MASK 0x07
#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 0x01
#define IRRIGATION_VALVE_INFO_GET_PROPERTIES1_RESERVED_MASK 0xFE
#define IRRIGATION_VALVE_INFO_GET_PROPERTIES1_RESERVED_SHIFT 0x01
/* Values used for Irrigation Valve Info Report command */
#define IRRIGATION_VALVE_INFO_REPORT_PROPERTIES1_MASTER_BIT_MASK 0x01
#define IRRIGATION_VALVE_INFO_REPORT_PROPERTIES1_CONNECTED_BIT_MASK 0x02
#define IRRIGATION_VALVE_INFO_REPORT_PROPERTIES1_RESERVED_MASK 0xFC
#define IRRIGATION_VALVE_INFO_REPORT_PROPERTIES1_RESERVED_SHIFT 0x02
/* Values used for Irrigation Valve Config Set command */
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES1_MASTER_VALVE_BIT_MASK 0x01
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES1_RESERVED_MASK 0xFE
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES1_RESERVED_SHIFT 0x01
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES2_MAXIMUM_FLOW_SIZE_MASK 0x07
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES2_MAXIMUM_FLOW_SCALE_MASK 0x18
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES2_MAXIMUM_FLOW_SCALE_SHIFT 0x03
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES2_MAXIMUM_FLOW_PRECISION_MASK 0xE0

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#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES2_MAXIMUM_FLOW_PRECISION_SHIFT 0x05
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES3_FLOW_HIGH_THRESHOLD_SIZE_MASK 0x07
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES3_FLOW_HIGH_THRESHOLD_SCALE_MASK 0x18
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES3_FLOW_HIGH_THRESHOLD_SCALE_SHIFT 0x03
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES3_FLOW_HIGH_THRESHOLD_PRECISION_MASK 0xE0
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES3_FLOW_HIGH_THRESHOLD_PRECISION_SHIFT 0x05
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES4_FLOW_LOW_THRESHOLD_SIZE_MASK 0x07
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES4_FLOW_LOW_THRESHOLD_SCALE_MASK 0x18
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES4_FLOW_LOW_THRESHOLD_SCALE_SHIFT 0x03
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES4_FLOW_LOW_THRESHOLD_PRECISION_MASK 0xE0
#define IRRIGATION_VALVE_CONFIG_SET_PROPERTIES4_FLOW_LOW_THRESHOLD_PRECISION_SHIFT 0x05
/* Values used for Irrigation Valve Config Get command */
#define IRRIGATION_VALVE_CONFIG_GET_PROPERTIES1_MASTER_VALVE_BIT_MASK 0x01
#define IRRIGATION_VALVE_CONFIG_GET_PROPERTIES1_RESERVED_MASK 0xFE
#define IRRIGATION_VALVE_CONFIG_GET_PROPERTIES1_RESERVED_SHIFT 0x01
/* Values used for Irrigation Valve Config Report command */
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES1_MASTER_VALVE_BIT_MASK 0x01
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES1_RESERVED_MASK 0xFE
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES1_RESERVED_SHIFT 0x01
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES2_MAXIMUM_FLOW_SIZE_MASK 0x07
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES2_MAXIMUM_FLOW_SCALE_MASK 0x18
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES2_MAXIMUM_FLOW_SCALE_SHIFT 0x03
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES2_MAXIMUM_FLOW_PRECISION_MASK 0xE0
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES2_MAXIMUM_FLOW_PRECISION_SHIFT 0x05
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES3_FLOW_HIGH_THRESHOLD_SIZE_MASK 0x07
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES3_FLOW_HIGH_THRESHOLD_SCALE_MASK 0x18
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES3_FLOW_HIGH_THRESHOLD_SCALE_SHIFT 0x03
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES3_FLOW_HIGH_THRESHOLD_PRECISION_MASK 0xE0
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES3_FLOW_HIGH_THRESHOLD_PRECISION_SHIFT 0x05
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES4_FLOW_LOW_THRESHOLD_SIZE_MASK 0x07
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES4_FLOW_LOW_THRESHOLD_SCALE_MASK 0x18
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES4_FLOW_LOW_THRESHOLD_SCALE_SHIFT 0x03
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES4_FLOW_LOW_THRESHOLD_PRECISION_MASK 0xE0
#define IRRIGATION_VALVE_CONFIG_REPORT_PROPERTIES4_FLOW_LOW_THRESHOLD_PRECISION_SHIFT 0x05
/* Values used for Irrigation Valve Run command */
#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
/* Values used for Supervision Get command */
#define SUPERVISION_GET_PROPERTIES1_SESSION_ID_MASK 0x3F
#define SUPERVISION_GET_PROPERTIES1_RESERVED_BIT_MASK 0x40
#define SUPERVISION_GET_PROPERTIES1_STATUS_UPDATES_BIT_MASK 0x80
/* Values used for Supervision Report command */
#define SUPERVISION_REPORT_PROPERTIES1_SESSION_ID_MASK 0x3F
#define SUPERVISION_REPORT_PROPERTIES1_RESERVED_BIT_MASK 0x40
#define SUPERVISION_REPORT_PROPERTIES1_MORE_STATUS_UPDATES_BIT_MASK 0x80
#define SUPERVISION_REPORT_NO_SUPPORT 0x00
#define SUPERVISION_REPORT_WORKING 0x01
#define SUPERVISION_REPORT_FAIL 0x02
#define SUPERVISION_REPORT_BUSY 0x03
#define SUPERVISION_REPORT_SUCCESS 0xFF

/* Humidity Control Setpoint command class commands */
#define HUMIDITY_CONTROL_SETPOINT_VERSION 0x01
#define HUMIDITY_CONTROL_SETPOINT_SET 0x01
#define HUMIDITY_CONTROL_SETPOINT_GET 0x02
#define HUMIDITY_CONTROL_SETPOINT_REPORT 0x03
#define HUMIDITY_CONTROL_SETPOINT_SUPPORTED_GET 0x04
#define HUMIDITY_CONTROL_SETPOINT_SUPPORTED_REPORT 0x05
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET 0x06
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_REPORT 0x07
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET 0x08
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT 0x09
/* Values used for Humidity Control Setpoint Set command */
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES1_SETPOINT_TYPE_MASK 0x0F
#define HUMIDITY_CONTROL_SETPOINT_SET_SETPOINT_TYPE_HUMIDIFIER 0x01
#define HUMIDITY_CONTROL_SETPOINT_SET_SETPOINT_TYPE_DEHUMIDIFIER 0x02
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES1_RESERVED_MASK 0xF0
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES1_RESERVED_SHIFT 0x04
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES2_SIZE_MASK 0x07
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES2_SCALE_MASK 0x18
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES2_SCALE_SHIFT 0x03
#define HUMIDITY_CONTROL_SETPOINT_SET_SCALE_PERCENTAGE 0x00
#define HUMIDITY_CONTROL_SETPOINT_SET_SCALE_ABSOLUTE 0x01
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES2_PRECISION_MASK 0xE0
#define HUMIDITY_CONTROL_SETPOINT_SET_PROPERTIES2_PRECISION_SHIFT 0x05
```

```

/* Values used for Humidity Control Setpoint Get command */
#define HUMIDITY_CONTROL_SETPOINT_GET_PROPERTIES1_SETPOINT_TYPE_MASK 0x0F
#define HUMIDITY_CONTROL_SETPOINT_GET_SETPOINT_TYPE HUMIDIFIER 0x01
#define HUMIDITY_CONTROL_SETPOINT_GET_SETPOINT_TYPE DEHUMIDIFIER 0x02
#define HUMIDITY_CONTROL_SETPOINT_GET_PROPERTIES1_RESERVED_MASK 0xF0
#define HUMIDITY_CONTROL_SETPOINT_GET_PROPERTIES1_RESERVED_SHIFT 0x04
/* Values used for Humidity Control Setpoint Report command */
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES1_SETPOINT_TYPE_MASK 0x0F
#define HUMIDITY_CONTROL_SETPOINT_REPORT_SETPOINT_TYPE HUMIDIFIER 0x01
#define HUMIDITY_CONTROL_SETPOINT_REPORT_SETPOINT_TYPE DEHUMIDIFIER 0x02
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES1_RESERVED_MASK 0xF0
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES1_RESERVED_SHIFT 0x04
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES2_SIZE_MASK 0x07
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES2_SCALE_MASK 0x18
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES2_SCALE_SHIFT 0x03
#define HUMIDITY_CONTROL_SETPOINT_REPORT_SCALE_PERCENTAGE 0x00
#define HUMIDITY_CONTROL_SETPOINT_REPORT_SCALE_ABSOLUTE 0x01
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES2_PRECISION_MASK 0xE0
#define HUMIDITY_CONTROL_SETPOINT_REPORT_PROPERTIES2_PRECISION_SHIFT 0x05
/* Values used for Humidity Control Setpoint Scale Supported Get command */
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET_PROPERTIES1_SETPOINT_TYPE_MASK 0x0F
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET_SETPOINT_TYPE HUMIDIFIER 0x01
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET_SETPOINT_TYPE DEHUMIDIFIER 0x02
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET_PROPERTIES1_RESERVED_MASK 0xF0
#define HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET_PROPERTIES1_RESERVED_SHIFT 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
/* Values used for Humidity Control Setpoint Capabilities Get command */
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET_PROPERTIES1_SETPOINT_TYPE_MASK 0x0F
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE HUMIDIFIER 0x01
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET_SETPOINT_TYPE DEHUMIDIFIER 0x02
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET_PROPERTIES1_RESERVED_MASK 0xF0
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET_PROPERTIES1_RESERVED_SHIFT 0x04
/* Values used for Humidity Control Setpoint Capabilities Report command */
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES1_SETPOINT_TYPE_MASK 0x0F
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE HUMIDIFIER 0x01
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_SETPOINT_TYPE DEHUMIDIFIER 0x02
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES1_RESERVED_MASK 0xF0
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES1_RESERVED_SHIFT 0x04
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_SIZE1_MASK 0x07
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_SCALE1_MASK 0x18
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_SCALE1_SHIFT 0x03
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_SCALE1_PERCENTAGE 0x00
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_SCALE1_ABSOLUTE 0x01
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_PRECISION1_MASK 0xE0
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES2_PRECISION1_SHIFT 0x05
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_SIZE2_MASK 0x07
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_SCALE2_MASK 0x18
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_SCALE2_SHIFT 0x03
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_SCALE2_PERCENTAGE 0x00
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_SCALE2_ABSOLUTE 0x01
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_PRECISION2_MASK 0xE0
#define HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_PROPERTIES3_PRECISION2_SHIFT 0x05

/* Humidity Control Mode command class commands */
#define HUMIDITY_CONTROL_MODE_VERSION 0x01
#define HUMIDITY_CONTROL_MODE_SET 0x01
#define HUMIDITY_CONTROL_MODE_GET 0x02
#define HUMIDITY_CONTROL_MODE_REPORT 0x03
#define HUMIDITY_CONTROL_MODE_SUPPORTED_GET 0x04
#define HUMIDITY_CONTROL_MODE_SUPPORTED_REPORT 0x05
/* Values used for Humidity Control Mode Set command */
#define HUMIDITY_CONTROL_MODE_SET_PROPERTIES1_MODE_MASK 0x0F
#define HUMIDITY_CONTROL_MODE_SET_MODE_OFF 0x00
#define HUMIDITY_CONTROL_MODE_SET_MODE HUMIDIFY 0x01
#define HUMIDITY_CONTROL_MODE_SET_MODE DEHUMIDIFY 0x02
#define HUMIDITY_CONTROL_MODE_SET_PROPERTIES1_RESERVED_MASK 0xF0
#define HUMIDITY_CONTROL_MODE_SET_PROPERTIES1_RESERVED_SHIFT 0x04
/* Values used for Humidity Control Mode Report command */
#define HUMIDITY_CONTROL_MODE_REPORT_PROPERTIES1_MODE_MASK 0x0F
#define HUMIDITY_CONTROL_MODE_REPORT_MODE_OFF 0x00
#define HUMIDITY_CONTROL_MODE_REPORT_MODE HUMIDIFY 0x01
#define HUMIDITY_CONTROL_MODE_REPORT_MODE DEHUMIDIFY 0x02
#define HUMIDITY_CONTROL_MODE_REPORT_PROPERTIES1_RESERVED_MASK 0xF0
#define HUMIDITY_CONTROL_MODE_REPORT_PROPERTIES1_RESERVED_SHIFT 0x04

/* Humidity Control Operating State command class commands */

```

```
#define HUMIDITY_CONTROL_OPERATING_STATE_VERSION 0x01
#define HUMIDITY_CONTROL_OPERATING_STATE_GET 0x01
#define HUMIDITY_CONTROL_OPERATING_STATE_REPORT 0x02
/* Values used for Humidity Control Operating State Report command */
#define HUMIDITY_CONTROL_OPERATING_STATE_REPORT_PROPERTIES1_OPERATING_STATE_MASK 0x0F
#define HUMIDITY_CONTROL_OPERATING_STATE_REPORT_OPERATING_STATE_IDLE 0x00
#define HUMIDITY_CONTROL_OPERATING_STATE_REPORT_OPERATING_STATE_HUMIDIFYING 0x01
#define HUMIDITY_CONTROL_OPERATING_STATE_REPORT_OPERATING_STATE_DEHUMIDIFYING 0x02
#define HUMIDITY_CONTROL_OPERATING_STATE_REPORT_PROPERTIES1_RESERVED_MASK 0xF0
#define HUMIDITY_CONTROL_OPERATING_STATE_REPORT_PROPERTIES1_RESERVED_SHIFT 0x04

/* 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 0x03
#define ENTRY_CONTROL_EVENT_SUPPORTED_GET 0x04
#define ENTRY_CONTROL_EVENT_SUPPORTED_REPORT 0x05
#define ENTRY_CONTROL_CONFIGURATION_SET 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 0x03
#define ENTRY_CONTROL_NOTIFICATION_DATA_TYPE_NA 0x00
#define ENTRY_CONTROL_NOTIFICATION_DATA_TYPE_RAW 0x01
#define ENTRY_CONTROL_NOTIFICATION_DATA_TYPE_ASCII 0x02
#define ENTRY_CONTROL_NOTIFICATION_DATA_TYPE_MD5 0x03
#define ENTRY_CONTROL_NOTIFICATION_PROPERTIES1_RESERVED_MASK 0xFC
#define ENTRY_CONTROL_NOTIFICATION_PROPERTIES1_RESERVED_SHIFT 0x02
#define ENTRY_CONTROL_NOTIFICATION_CACHING 0x00
#define ENTRY_CONTROL_NOTIFICATION_CACHED_KEYS 0x01
#define ENTRY_CONTROL_NOTIFICATION_ENTER 0x02
#define ENTRY_CONTROL_NOTIFICATION_DISARM_ALL 0x03
#define ENTRY_CONTROL_NOTIFICATION_ARM_ALL 0x04
#define ENTRY_CONTROL_NOTIFICATION_ARM_AWAY 0x05
#define ENTRY_CONTROL_NOTIFICATION_ARM_HOME 0x06
#define ENTRY_CONTROL_NOTIFICATION_EXIT_DELAY 0x07
#define ENTRY_CONTROL_NOTIFICATION_ARM_1 0x08
#define ENTRY_CONTROL_NOTIFICATION_ARM_2 0x09
#define ENTRY_CONTROL_NOTIFICATION_ARM_3 0x0A
#define ENTRY_CONTROL_NOTIFICATION_ARM_4 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 0x0F
#define ENTRY_CONTROL_NOTIFICATION_FIRE 0x10
#define ENTRY_CONTROL_NOTIFICATION_POLICE 0x11
#define ENTRY_CONTROL_NOTIFICATION_ALERT_PANIC 0x12
#define ENTRY_CONTROL_NOTIFICATION_ALERT_MEDICAL 0x13
#define ENTRY_CONTROL_NOTIFICATION_GATE_OPEN 0x14
#define ENTRY_CONTROL_NOTIFICATION_GATE_CLOSE 0x15
#define ENTRY_CONTROL_NOTIFICATION_LOCK 0x16
#define ENTRY_CONTROL_NOTIFICATION_UNLOCK 0x17
#define ENTRY_CONTROL_NOTIFICATION_TEST 0x18
#define ENTRY_CONTROL_NOTIFICATION_CANCEL 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_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 0x02
/* Values used for Initiate command */
#define INITIATE_PROXY_INCLUSION 0x01
#define INITIATE_S0_INCLUSION 0x02
/* Values used for Complete command */
#define COMPLETE_PROXY_INCLUSION 0x01
#define COMPLETE_S0_INCLUSION 0x02
#define COMPLETE_STEP_OK 0x01
#define COMPLETE_STEP_USER_REJECTED 0x02
#define COMPLETE_STEP_FAILED 0x03
#define COMPLETE_STEP_NOT_SUPPORTED 0x04

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

```
#define META_DATA_MAX_DATA_SIZE 48

/*****
/* Structs and unions that can be used by the application */
/* to construct the frames to be sent */
*****/

/*****
/* Common for all command classes */
*****/
typedef struct _ZW_COMMON_FRAME_
{
    BYTE      cmdClass; /* The command class */
    BYTE      cmd;      /* The command */
} ZW_COMMON_FRAME;

/*****
/* Alarm Get command class structs */
*****/
typedef struct _ZW_ALARM_GET_FRAME_
{
    BYTE      cmdClass; /* The command class */
    BYTE      cmd;      /* The command */
    BYTE      alarmType; /**/
} ZW_ALARM_GET_FRAME;

/*****
/* Alarm Report command class structs */
*****/
typedef struct _ZW_ALARM_REPORT_FRAME_
{
    BYTE      cmdClass; /* The command class */
    BYTE      cmd;      /* The command */
    BYTE      alarmType; /**/
    BYTE      alarmLevel; /**/
} ZW_ALARM_REPORT_FRAME;

/*****
/* Alarm Get V2 command class structs */
*****/
typedef struct _ZW_ALARM_GET_V2_FRAME_
{
    BYTE      cmdClass; /* The command class */
    BYTE      cmd;      /* The command */
    BYTE      alarmType; /**/
    BYTE      zwaveAlarmType; /**/
} ZW_ALARM_GET_V2_FRAME;

/*****
/* Alarm Report 1byte V2 command class structs */
*****/
typedef struct _ZW_ALARM_REPORT_1BYTE_V2_FRAME_
{
    BYTE      cmdClass; /* The command class */
    BYTE      cmd;      /* The command */
    BYTE      alarmType; /**/
    BYTE      alarmLevel; /**/
    BYTE      zensorNetSourceNodeId; /**/
    BYTE      zwaveAlarmStatus; /**/
    BYTE      zwaveAlarmType; /**/
    BYTE      zwaveAlarmEvent; /**/
    BYTE      numberOfEventParameters; /**/
    BYTE      eventParameter1;
} ZW_ALARM_REPORT_1BYTE_V2_FRAME;

/*****
/* Alarm Report 2byte V2 command class structs */
*****/
typedef struct _ZW_ALARM_REPORT_2BYTE_V2_FRAME_
{
    BYTE      cmdClass; /* The command class */
    BYTE      cmd;      /* The command */
    BYTE      alarmType; /**/
    BYTE      alarmLevel; /**/
    BYTE      zensorNetSourceNodeId; /**/
    BYTE      zwaveAlarmStatus; /**/
    BYTE      zwaveAlarmType; /**/
    BYTE      zwaveAlarmEvent; /**/
    BYTE      numberOfEventParameters; /**/
    BYTE      eventParameter1; /* MSB */
    BYTE      eventParameter2; /* LSB */
}
```

```

} ZW_ALARM_REPORT_2BYTE_V2_FRAME;

/*****
/* Alarm Report 3byte V2 command class structs */
*****/
typedef struct _ZW_ALARM_REPORT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    alarmType;          /**/
    BYTE    alarmLevel;         /**/
    BYTE    sensorNetSourceNodeId; /**/
    BYTE    zwaveAlarmStatus;   /**/
    BYTE    zwaveAlarmType;     /**/
    BYTE    zwaveAlarmEvent;    /**/
    BYTE    numberOfEventParameters; /**/
    BYTE    eventParameter1;     /* MSB */
    BYTE    eventParameter2;
    BYTE    eventParameter3;    /* LSB */
} ZW_ALARM_REPORT_3BYTE_V2_FRAME;

/*****
/* Alarm Report 4byte V2 command class structs */
*****/
typedef struct _ZW_ALARM_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    alarmType;          /**/
    BYTE    alarmLevel;         /**/
    BYTE    sensorNetSourceNodeId; /**/
    BYTE    zwaveAlarmStatus;   /**/
    BYTE    zwaveAlarmType;     /**/
    BYTE    zwaveAlarmEvent;    /**/
    BYTE    numberOfEventParameters; /**/
    BYTE    eventParameter1;     /* MSB */
    BYTE    eventParameter2;
    BYTE    eventParameter3;
    BYTE    eventParameter4;    /* LSB */
} ZW_ALARM_REPORT_4BYTE_V2_FRAME;

/*****
/* Alarm Set V2 command class structs */
*****/
typedef struct _ZW_ALARM_SET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    zwaveAlarmType;     /**/
    BYTE    zwaveAlarmStatus;   /**/
} 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 */
    BYTE    cmd;                /* The command */
} ZW_ALARM_TYPE_SUPPORTED_GET_V2_FRAME;

/*****
/* Alarm Type Supported Report 1byte V2 command class structs */
*****/
typedef struct _ZW_ALARM_TYPE_SUPPORTED_REPORT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;
} ZW_ALARM_TYPE_SUPPORTED_REPORT_1BYTE_V2_FRAME;

/*****
/* Alarm Type Supported Report 2byte V2 command class structs */
*****/
typedef struct _ZW_ALARM_TYPE_SUPPORTED_REPORT_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;          /* MSB */
}

```

```

        BYTE        bitMask2;                                /* LSB */
    } ZW_ALARM_TYPE_SUPPORTED_REPORT_2BYTE_V2_FRAME;

/*****
/* Alarm Type Supported Report 3byte V2 command class structs */
*****/
typedef struct _ZW_ALARM_TYPE_SUPPORTED_REPORT_3BYTE_V2_FRAME_
{
    BYTE        cmdClass;                                /* The command class */
    BYTE        cmd;                                    /* The command */
    BYTE        properties1;                            /* masked byte */
    BYTE        bitMask1;                                /* MSB */
    BYTE        bitMask2;
    BYTE        bitMask3;                                /* LSB */
} ZW_ALARM_TYPE_SUPPORTED_REPORT_3BYTE_V2_FRAME;

/*****
/* Alarm Type Supported Report 4byte V2 command class structs */
*****/
typedef struct _ZW_ALARM_TYPE_SUPPORTED_REPORT_4BYTE_V2_FRAME_
{
    BYTE        cmdClass;                                /* The command class */
    BYTE        cmd;                                    /* The command */
    BYTE        properties1;                            /* masked byte */
    BYTE        bitMask1;                                /* MSB */
    BYTE        bitMask2;
    BYTE        bitMask3;
    BYTE        bitMask4;                                /* LSB */
} ZW_ALARM_TYPE_SUPPORTED_REPORT_4BYTE_V2_FRAME;

/*****
/* Notification Get V3 command class structs */
*****/
typedef struct _ZW_NOTIFICATION_GET_V3_FRAME_
{
    BYTE        cmdClass;                                /* The command class */
    BYTE        cmd;                                    /* The command */
    BYTE        vlAlarmType;                            /**/
    BYTE        notificationType;                       /**/
    BYTE        mevent;                                /**/
} ZW_NOTIFICATION_GET_V3_FRAME;

/*****
/* Notification Report 1byte V3 command class structs */
*****/
typedef struct _ZW_NOTIFICATION_REPORT_1BYTE_V3_FRAME_
{
    BYTE        cmdClass;                                /* The command class */
    BYTE        cmd;                                    /* The command */
    BYTE        vlAlarmType;                            /**/
    BYTE        vlAlarmLevel;                           /**/
    BYTE        reserved;                               /**/
    BYTE        notificationStatus;                     /**/
    BYTE        notificationType;                       /**/
    BYTE        mevent;                                /**/
    BYTE        properties1;                            /* masked byte */
    BYTE        eventParameter1;
    BYTE        sequenceNumber;                         /**/
} ZW_NOTIFICATION_REPORT_1BYTE_V3_FRAME;

/*****
/* Notification Report 2byte V3 command class structs */
*****/
typedef struct _ZW_NOTIFICATION_REPORT_2BYTE_V3_FRAME_
{
    BYTE        cmdClass;                                /* The command class */
    BYTE        cmd;                                    /* The command */
    BYTE        vlAlarmType;                            /**/
    BYTE        vlAlarmLevel;                           /**/
    BYTE        reserved;                               /**/
    BYTE        notificationStatus;                     /**/
    BYTE        notificationType;                       /**/
    BYTE        mevent;                                /**/
    BYTE        properties1;                            /* masked byte */
    BYTE        eventParameter1;                        /* MSB */
    BYTE        eventParameter2;                        /* LSB */
    BYTE        sequenceNumber;                         /**/
} ZW_NOTIFICATION_REPORT_2BYTE_V3_FRAME;

/*****
/* Notification Report 3byte V3 command class structs */
*****/

```



```

/*****
typedef struct _ZW_NOTIFICATION_REPORT_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    vlAlarmType;        /**/
    BYTE    vlAlarmLevel;       /**/
    BYTE    reserved;           /**/
    BYTE    notificationStatus;  /**/
    BYTE    notificationType;    /**/
    BYTE    mevent;             /**/
    BYTE    properties1;        /* masked byte */
    BYTE    eventParameter1;    /* MSB */
    BYTE    eventParameter2;
    BYTE    eventParameter3;    /* LSB */
    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 */
    BYTE    vlAlarmType;        /**/
    BYTE    vlAlarmLevel;       /**/
    BYTE    reserved;           /**/
    BYTE    notificationStatus;  /**/
    BYTE    notificationType;    /**/
    BYTE    mevent;             /**/
    BYTE    properties1;        /* masked byte */
    BYTE    eventParameter1;    /* MSB */
    BYTE    eventParameter2;
    BYTE    eventParameter3;
    BYTE    eventParameter4;    /* LSB */
    BYTE    sequenceNumber;     /**/
} ZW_NOTIFICATION_REPORT_4BYTE_V3_FRAME;

/*****
/* Notification Set V3 command class structs */
/*****
typedef struct _ZW_NOTIFICATION_SET_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
    BYTE    notificationStatus;  /**/
} ZW_NOTIFICATION_SET_V3_FRAME;

/*****
/* Notification Supported Get V3 command class structs */
/*****
typedef struct _ZW_NOTIFICATION_SUPPORTED_GET_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_NOTIFICATION_SUPPORTED_GET_V3_FRAME;

/*****
/* Notification Supported Report 1byte V3 command class structs */
/*****
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;          /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V3_FRAME;

```

```

/*****
/* Notification Supported Report 3byte V3 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;           /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V3_FRAME;

/*****
/* Notification Supported Report 4byte V3 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;           /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V3_FRAME;

/*****
/* Event Supported Get V3 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_GET_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
} ZW_EVENT_SUPPORTED_GET_V3_FRAME;

/*****
/* Event Supported Report 1byte V3 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;
} ZW_EVENT_SUPPORTED_REPORT_1BYTE_V3_FRAME;

/*****
/* Event Supported Report 2byte V3 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_2BYTE_V3_FRAME;

/*****
/* Event Supported Report 3byte V3 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;           /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_3BYTE_V3_FRAME;

/*****
/* Event Supported Report 4byte V3 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_4BYTE_V3_FRAME_

```

```

{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    notificationType;        /**/
    BYTE    properties1;            /* masked byte */
    BYTE    bitMask1;              /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;              /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_4BYTE_V3_FRAME;

/*****/
/* Notification Get V4 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_GET_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    vlAlarmType;            /**/
    BYTE    notificationType;        /**/
    BYTE    mevent;                 /**/
} ZW_NOTIFICATION_GET_V4_FRAME;

/*****/
/* Notification Report 1byte V4 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_1BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    vlAlarmType;            /**/
    BYTE    vlAlarmLevel;          /**/
    BYTE    reserved;               /**/
    BYTE    notificationStatus;      /**/
    BYTE    notificationType;        /**/
    BYTE    mevent;                 /**/
    BYTE    properties1;            /* masked byte */
    BYTE    eventParameter1;
    BYTE    sequenceNumber;         /**/
} ZW_NOTIFICATION_REPORT_1BYTE_V4_FRAME;

/*****/
/* Notification Report 2byte V4 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_2BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    vlAlarmType;            /**/
    BYTE    vlAlarmLevel;          /**/
    BYTE    reserved;               /**/
    BYTE    notificationStatus;      /**/
    BYTE    notificationType;        /**/
    BYTE    mevent;                 /**/
    BYTE    properties1;            /* masked byte */
    BYTE    eventParameter1;        /* MSB */
    BYTE    eventParameter2;        /* LSB */
    BYTE    sequenceNumber;         /**/
} ZW_NOTIFICATION_REPORT_2BYTE_V4_FRAME;

/*****/
/* Notification Report 3byte V4 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_3BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    vlAlarmType;            /**/
    BYTE    vlAlarmLevel;          /**/
    BYTE    reserved;               /**/
    BYTE    notificationStatus;      /**/
    BYTE    notificationType;        /**/
    BYTE    mevent;                 /**/
    BYTE    properties1;            /* masked byte */
    BYTE    eventParameter1;        /* MSB */
    BYTE    eventParameter2;
    BYTE    eventParameter3;        /* LSB */
    BYTE    sequenceNumber;         /**/
} ZW_NOTIFICATION_REPORT_3BYTE_V4_FRAME;

/*****/

```

```

/* Notification Report 4byte V4 command class structs */
/*****
typedef struct _ZW_NOTIFICATION_REPORT_4BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    v1AlarmType;            /**/
    BYTE    v1AlarmLevel;           /**/
    BYTE    reserved;               /**/
    BYTE    notificationStatus;      /**/
    BYTE    notificationType;        /**/
    BYTE    mevent;                 /**/
    BYTE    properties1;            /* masked byte */
    BYTE    eventParameter1;        /* MSB */
    BYTE    eventParameter2;
    BYTE    eventParameter3;
    BYTE    eventParameter4;        /* LSB */
    BYTE    sequenceNumber;         /**/
} ZW_NOTIFICATION_REPORT_4BYTE_V4_FRAME;

/*****/
/* Notification Set V4 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SET_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    notificationType;        /**/
    BYTE    notificationStatus;      /**/
} ZW_NOTIFICATION_SET_V4_FRAME;

/*****/
/* Notification Supported Get V4 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_GET_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_NOTIFICATION_SUPPORTED_GET_V4_FRAME;

/*****/
/* Notification Supported Report 1byte V4 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    bitMask1;              /* MSB */
    BYTE    bitMask2;              /* LSB */
} 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 */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    bitMask1;              /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;              /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V4_FRAME;

/*****/
/* Notification Supported Report 4byte V4 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V4_FRAME_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    bitMask1;              /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;              /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V4_FRAME;

/*****
/* Event Supported Get V4 command class structs */
*****/
typedef struct _ZW_EVENT_SUPPORTED_GET_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    notificationType;        /**/
} ZW_EVENT_SUPPORTED_GET_V4_FRAME;

/*****
/* Event Supported Report 1byte V4 command class structs */
*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_1BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    notificationType;        /**/
    BYTE    properties1;            /* masked byte */
    BYTE    bitMask1;
} ZW_EVENT_SUPPORTED_REPORT_1BYTE_V4_FRAME;

/*****
/* Event Supported Report 2byte V4 command class structs */
*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_2BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    notificationType;        /**/
    BYTE    properties1;            /* masked byte */
    BYTE    bitMask1;              /* MSB */
    BYTE    bitMask2;              /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_2BYTE_V4_FRAME;

/*****
/* Event Supported Report 3byte V4 command class structs */
*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_3BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    notificationType;        /**/
    BYTE    properties1;            /* masked byte */
    BYTE    bitMask1;              /* MSB */
    BYTE    bitMask2;              /* MSB */
    BYTE    bitMask3;              /* LSB */
} 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 */
    BYTE    cmd;                    /* The command */
    BYTE    notificationType;        /**/
    BYTE    properties1;            /* masked byte */
    BYTE    bitMask1;              /* MSB */
    BYTE    bitMask2;              /* MSB */
    BYTE    bitMask3;              /* MSB */
    BYTE    bitMask4;              /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_4BYTE_V4_FRAME;

/*****
/* Notification Get V5 command class structs */
*****/
typedef struct _ZW_NOTIFICATION_GET_V5_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    vlAlarmType;            /**/

```

```

    BYTE    notificationType;          /**/
    BYTE    mevent;                    /**/
} ZW_NOTIFICATION_GET_V5_FRAME;

/*****/
/* Notification Report 1byte V5 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_1BYTE_V5_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    vlAlarmType;               /**/
    BYTE    vlAlarmLevel;              /**/
    BYTE    reserved;                  /**/
    BYTE    notificationStatus;         /**/
    BYTE    notificationType;          /**/
    BYTE    mevent;                    /**/
    BYTE    properties1;                /* masked byte */
    BYTE    eventParameter1;
    BYTE    sequenceNumber;            /**/
} ZW_NOTIFICATION_REPORT_1BYTE_V5_FRAME;

/*****/
/* Notification Report 2byte V5 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_2BYTE_V5_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    vlAlarmType;               /**/
    BYTE    vlAlarmLevel;              /**/
    BYTE    reserved;                  /**/
    BYTE    notificationStatus;         /**/
    BYTE    notificationType;          /**/
    BYTE    mevent;                    /**/
    BYTE    properties1;                /* masked byte */
    BYTE    eventParameter1;           /* MSB */
    BYTE    eventParameter2;           /* LSB */
    BYTE    sequenceNumber;            /**/
} ZW_NOTIFICATION_REPORT_2BYTE_V5_FRAME;

/*****/
/* Notification Report 3byte V5 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_3BYTE_V5_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    vlAlarmType;               /**/
    BYTE    vlAlarmLevel;              /**/
    BYTE    reserved;                  /**/
    BYTE    notificationStatus;         /**/
    BYTE    notificationType;          /**/
    BYTE    mevent;                    /**/
    BYTE    properties1;                /* masked byte */
    BYTE    eventParameter1;           /* MSB */
    BYTE    eventParameter2;
    BYTE    eventParameter3;           /* LSB */
    BYTE    sequenceNumber;            /**/
} ZW_NOTIFICATION_REPORT_3BYTE_V5_FRAME;

/*****/
/* Notification Report 4byte V5 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_4BYTE_V5_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    vlAlarmType;               /**/
    BYTE    vlAlarmLevel;              /**/
    BYTE    reserved;                  /**/
    BYTE    notificationStatus;         /**/
    BYTE    notificationType;          /**/
    BYTE    mevent;                    /**/
    BYTE    properties1;                /* masked byte */
    BYTE    eventParameter1;           /* MSB */
    BYTE    eventParameter2;
    BYTE    eventParameter3;
    BYTE    eventParameter4;           /* LSB */
    BYTE    sequenceNumber;            /**/
} ZW_NOTIFICATION_REPORT_4BYTE_V5_FRAME;

```

```

/*****
/* Notification Set V5 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SET_V5_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
    BYTE    notificationStatus;  /**/
} ZW_NOTIFICATION_SET_V5_FRAME;

/*****
/* Notification Supported Get V5 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_GET_V5_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    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;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;          /* LSB */
} 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    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;          /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V5_FRAME;

/*****
/* Notification Supported Report 4byte V5 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V5_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;          /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V5_FRAME;

/*****
/* Event Supported Get V5 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_GET_V5_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
} 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;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_1BYTE_V5_FRAME;

/*****
/* Event Supported Report 2byte V5 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_2BYTE_V5_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* MSB */
    BYTE    bitMask3;           /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* MSB */
    BYTE    bitMask3;           /* MSB */
    BYTE    bitMask4;           /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_4BYTE_V5_FRAME;

/*****
/* Notification Get V6 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_GET_V6_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    v1AlarmType;        /**/
    BYTE    notificationType;    /**/
    BYTE    mevent;             /**/
} ZW_NOTIFICATION_GET_V6_FRAME;

/*****
/* Notification Report 1byte V6 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_1BYTE_V6_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    v1AlarmType;        /**/
    BYTE    v1AlarmLevel;       /**/
    BYTE    reserved;           /**/
    BYTE    notificationStatus;  /**/
    BYTE    notificationType;    /**/
    BYTE    mevent;             /**/
    BYTE    properties1;        /* masked byte */
    BYTE    eventParameter1;

```



```
    BYTE    sequenceNumber;          /**/
} ZW_NOTIFICATION_REPORT_1BYTE_V6_FRAME;

/*****/
/* Notification Report 2byte V6 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_2BYTE_V6_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    vlAlarmType;              /**/
    BYTE    vlAlarmLevel;             /**/
    BYTE    reserved;                 /**/
    BYTE    notificationStatus;        /**/
    BYTE    notificationType;          /**/
    BYTE    mevent;                   /**/
    BYTE    properties1;               /* masked byte */
    BYTE    eventParameter1;           /* MSB */
    BYTE    eventParameter2;           /* LSB */
    BYTE    sequenceNumber;           /**/
} ZW_NOTIFICATION_REPORT_2BYTE_V6_FRAME;

/*****/
/* Notification Report 3byte V6 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_3BYTE_V6_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    vlAlarmType;              /**/
    BYTE    vlAlarmLevel;             /**/
    BYTE    reserved;                 /**/
    BYTE    notificationStatus;        /**/
    BYTE    notificationType;          /**/
    BYTE    mevent;                   /**/
    BYTE    properties1;               /* masked byte */
    BYTE    eventParameter1;           /* MSB */
    BYTE    eventParameter2;
    BYTE    eventParameter3;           /* LSB */
    BYTE    sequenceNumber;           /**/
} ZW_NOTIFICATION_REPORT_3BYTE_V6_FRAME;

/*****/
/* Notification Report 4byte V6 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_4BYTE_V6_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    vlAlarmType;              /**/
    BYTE    vlAlarmLevel;             /**/
    BYTE    reserved;                 /**/
    BYTE    notificationStatus;        /**/
    BYTE    notificationType;          /**/
    BYTE    mevent;                   /**/
    BYTE    properties1;               /* masked byte */
    BYTE    eventParameter1;           /* MSB */
    BYTE    eventParameter2;
    BYTE    eventParameter3;
    BYTE    eventParameter4;           /* 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 */
    BYTE    cmd;                      /* The command */
    BYTE    notificationType;          /**/
    BYTE    notificationStatus;        /**/
} ZW_NOTIFICATION_SET_V6_FRAME;

/*****/
/* Notification Supported Get V6 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_GET_V6_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
}
```

```
} ZW_NOTIFICATION_SUPPORTED_GET_V6_FRAME;

/*****/
/* Notification Supported Report 1byte V6 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V6_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V6_FRAME;

/*****/
/* Notification Supported Report 2byte V6 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V6_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* MSB */
    BYTE    bitMask3;           /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V6_FRAME;

/*****/
/* Notification Supported Report 4byte V6 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V6_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* MSB */
    BYTE    bitMask3;           /* MSB */
    BYTE    bitMask4;           /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V6_FRAME;

/*****/
/* Event Supported Get V6 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_GET_V6_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
} ZW_EVENT_SUPPORTED_GET_V6_FRAME;

/*****/
/* Event Supported Report 1byte V6 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_1BYTE_V6_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
} ZW_EVENT_SUPPORTED_REPORT_1BYTE_V6_FRAME;

/*****/
/* Event Supported Report 2byte V6 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_2BYTE_V6_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
```

```

    BYTE    notificationType;          /**/
    BYTE    properties1;               /* masked byte */
    BYTE    bitMask1;                 /* MSB */
    BYTE    bitMask2;                 /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_2BYTE_V6_FRAME;

/*****/
/* Event Supported Report 3byte V6 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_3BYTE_V6_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    notificationType;         /**/
    BYTE    properties1;               /* masked byte */
    BYTE    bitMask1;                 /* MSB */
    BYTE    bitMask2;                 /* LSB */
    BYTE    bitMask3;                 /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_3BYTE_V6_FRAME;

/*****/
/* Event Supported Report 4byte V6 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_4BYTE_V6_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    notificationType;         /**/
    BYTE    properties1;               /* masked byte */
    BYTE    bitMask1;                 /* MSB */
    BYTE    bitMask2;                 /* MSB */
    BYTE    bitMask3;                 /* MSB */
    BYTE    bitMask4;                 /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_4BYTE_V6_FRAME;

/*****/
/* Notification Get V7 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_GET_V7_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    vlAlarmType;              /**/
    BYTE    notificationType;         /**/
    BYTE    mevent;                   /**/
} ZW_NOTIFICATION_GET_V7_FRAME;

/*****/
/* Notification Report 1byte V7 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_1BYTE_V7_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    vlAlarmType;              /**/
    BYTE    vlAlarmLevel;             /**/
    BYTE    reserved;                 /**/
    BYTE    notificationStatus;        /**/
    BYTE    notificationType;         /**/
    BYTE    mevent;                   /**/
    BYTE    properties1;               /* masked byte */
    BYTE    eventParameter1;          /**/
    BYTE    sequenceNumber;           /**/
} ZW_NOTIFICATION_REPORT_1BYTE_V7_FRAME;

/*****/
/* Notification Report 2byte V7 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_2BYTE_V7_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    vlAlarmType;              /**/
    BYTE    vlAlarmLevel;             /**/
    BYTE    reserved;                 /**/
    BYTE    notificationStatus;        /**/
    BYTE    notificationType;         /**/
    BYTE    mevent;                   /**/
    BYTE    properties1;               /* masked byte */
    BYTE    eventParameter1;          /* MSB */
    BYTE    eventParameter2;         /* LSB */
}

```

```

    BYTE    sequenceNumber;          /**/
} ZW_NOTIFICATION_REPORT_2BYTE_V7_FRAME;

/*****/
/* Notification Report 3byte V7 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_3BYTE_V7_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    vlAlarmType;             /**/
    BYTE    vlAlarmLevel;            /**/
    BYTE    reserved;                /**/
    BYTE    notificationStatus;       /**/
    BYTE    notificationType;        /**/
    BYTE    mevent;                  /**/
    BYTE    properties1;             /* masked byte */
    BYTE    eventParameter1;         /* MSB */
    BYTE    eventParameter2;
    BYTE    eventParameter3;        /* LSB */
    BYTE    sequenceNumber;          /**/
} ZW_NOTIFICATION_REPORT_3BYTE_V7_FRAME;

/*****/
/* Notification Report 4byte V7 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_4BYTE_V7_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    vlAlarmType;             /**/
    BYTE    vlAlarmLevel;            /**/
    BYTE    reserved;                /**/
    BYTE    notificationStatus;       /**/
    BYTE    notificationType;        /**/
    BYTE    mevent;                  /**/
    BYTE    properties1;             /* masked byte */
    BYTE    eventParameter1;         /* MSB */
    BYTE    eventParameter2;
    BYTE    eventParameter3;
    BYTE    eventParameter4;        /* LSB */
    BYTE    sequenceNumber;          /**/
} ZW_NOTIFICATION_REPORT_4BYTE_V7_FRAME;

/*****/
/* Notification Set V7 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SET_V7_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    notificationType;        /**/
    BYTE    notificationStatus;       /**/
} ZW_NOTIFICATION_SET_V7_FRAME;

/*****/
/* Notification Supported Get V7 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_GET_V7_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_NOTIFICATION_SUPPORTED_GET_V7_FRAME;

/*****/
/* Notification Supported Report 1byte V7 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V7_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;             /* masked 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 */

```

```

    BYTE    cmd;                                /* The command */
    BYTE    properties1;                        /* masked byte */
    BYTE    bitMask1;                          /* MSB */
    BYTE    bitMask2;                          /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V7_FRAME;

/*****/
/* Notification Supported Report 3byte V7 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V7_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    properties1;                        /* masked byte */
    BYTE    bitMask1;                          /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;                          /* LSB */
} 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 */
    BYTE    properties1;                        /* masked byte */
    BYTE    bitMask1;                          /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;                          /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V7_FRAME;

/*****/
/* Event Supported Get V7 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_GET_V7_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    notificationType;                  /**/
} ZW_EVENT_SUPPORTED_GET_V7_FRAME;

/*****/
/* Event Supported Report 1byte V7 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_1BYTE_V7_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    notificationType;                  /**/
    BYTE    properties1;                        /* masked byte */
    BYTE    bitMask1;
} ZW_EVENT_SUPPORTED_REPORT_1BYTE_V7_FRAME;

/*****/
/* Event Supported Report 2byte V7 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_2BYTE_V7_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    notificationType;                  /**/
    BYTE    properties1;                        /* masked byte */
    BYTE    bitMask1;                          /* MSB */
    BYTE    bitMask2;                          /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_2BYTE_V7_FRAME;

/*****/
/* Event Supported Report 3byte V7 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_3BYTE_V7_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    notificationType;                  /**/
    BYTE    properties1;                        /* masked byte */
    BYTE    bitMask1;                          /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;                          /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_3BYTE_V7_FRAME;

```

```

/*****
/* Event Supported Report 4byte V7 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_4BYTE_V7_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;          /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_4BYTE_V7_FRAME;

/*****
/* Notification Get V8 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_GET_V8_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    v1AlarmType;        /**/
    BYTE    notificationType;    /**/
    BYTE    mevent;             /**/
} ZW_NOTIFICATION_GET_V8_FRAME;

/*****
/* Notification Report 1byte V8 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_1BYTE_V8_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    v1AlarmType;        /**/
    BYTE    v1AlarmLevel;       /**/
    BYTE    reserved;           /**/
    BYTE    notificationStatus;  /**/
    BYTE    notificationType;    /**/
    BYTE    mevent;             /**/
    BYTE    properties1;        /* masked byte */
    BYTE    eventParameter1;
    BYTE    sequenceNumber;     /**/
} ZW_NOTIFICATION_REPORT_1BYTE_V8_FRAME;

/*****
/* Notification Report 2byte V8 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_2BYTE_V8_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    v1AlarmType;        /**/
    BYTE    v1AlarmLevel;       /**/
    BYTE    reserved;           /**/
    BYTE    notificationStatus;  /**/
    BYTE    notificationType;    /**/
    BYTE    mevent;             /**/
    BYTE    properties1;        /* masked byte */
    BYTE    eventParameter1;    /* MSB */
    BYTE    eventParameter2;    /* LSB */
    BYTE    sequenceNumber;     /**/
} ZW_NOTIFICATION_REPORT_2BYTE_V8_FRAME;

/*****
/* Notification Report 3byte V8 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_3BYTE_V8_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    v1AlarmType;        /**/
    BYTE    v1AlarmLevel;       /**/
    BYTE    reserved;           /**/
    BYTE    notificationStatus;  /**/
    BYTE    notificationType;    /**/
    BYTE    mevent;             /**/
    BYTE    properties1;        /* masked byte */
    BYTE    eventParameter1;    /* MSB */
    BYTE    eventParameter2;
}
```

```

        BYTE    eventParameter3;           /* LSB */
        BYTE    sequenceNumber;           /**/
    } ZW_NOTIFICATION_REPORT_3BYTE_V8_FRAME;

/*****/
/* Notification Report 4byte V8 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_REPORT_4BYTE_V8_FRAME_
{
    BYTE    cmdClass;                       /* The command class */
    BYTE    cmd;                             /* The command */
    BYTE    vlAlarmType;                     /**/
    BYTE    vlAlarmLevel;                   /**/
    BYTE    reserved;                       /**/
    BYTE    notificationStatus;              /**/
    BYTE    notificationType;               /**/
    BYTE    mevent;                         /**/
    BYTE    properties1;                    /* masked byte */
    BYTE    eventParameter1;                /* MSB */
    BYTE    eventParameter2;
    BYTE    eventParameter3;
    BYTE    eventParameter4;                /* LSB */
    BYTE    sequenceNumber;                 /**/
} 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;                             /* The command */
    BYTE    notificationType;               /**/
    BYTE    notificationStatus;             /**/
} ZW_NOTIFICATION_SET_V8_FRAME;

/*****/
/* Notification Supported Get V8 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_GET_V8_FRAME_
{
    BYTE    cmdClass;                       /* The command class */
    BYTE    cmd;                             /* The command */
} ZW_NOTIFICATION_SUPPORTED_GET_V8_FRAME;

/*****/
/* Notification Supported Report 1byte V8 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V8_FRAME_
{
    BYTE    cmdClass;                       /* The command class */
    BYTE    cmd;                             /* The command */
    BYTE    properties1;                    /* masked byte */
    BYTE    bitMask1;
} ZW_NOTIFICATION_SUPPORTED_REPORT_1BYTE_V8_FRAME;

/*****/
/* Notification Supported Report 2byte V8 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V8_FRAME_
{
    BYTE    cmdClass;                       /* The command class */
    BYTE    cmd;                             /* The command */
    BYTE    properties1;                    /* masked byte */
    BYTE    bitMask1;                       /* MSB */
    BYTE    bitMask2;                       /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_2BYTE_V8_FRAME;

/*****/
/* Notification Supported Report 3byte V8 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V8_FRAME_
{
    BYTE    cmdClass;                       /* The command class */
    BYTE    cmd;                             /* The command */
    BYTE    properties1;                    /* masked byte */
    BYTE    bitMask1;                       /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;                       /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_3BYTE_V8_FRAME;

```

```

/*****
/* Notification Supported Report 4byte V8 command class structs */
/*****/
typedef struct _ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V8_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;           /* LSB */
} ZW_NOTIFICATION_SUPPORTED_REPORT_4BYTE_V8_FRAME;

/*****
/* Event Supported Get V8 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_GET_V8_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
} ZW_EVENT_SUPPORTED_GET_V8_FRAME;

/*****
/* Event Supported Report 1byte V8 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_1BYTE_V8_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
    BYTE    properties1;        /* masked byte */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_2BYTE_V8_FRAME;

/*****
/* Event Supported Report 3byte V8 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_3BYTE_V8_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;           /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_3BYTE_V8_FRAME;

/*****
/* Event Supported Report 4byte V8 command class structs */
/*****/
typedef struct _ZW_EVENT_SUPPORTED_REPORT_4BYTE_V8_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    notificationType;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;           /* LSB */
} ZW_EVENT_SUPPORTED_REPORT_4BYTE_V8_FRAME;

/*****
/* Application Busy command class structs */
/*****/
```



```
typedef struct _ZW_APPLICATION_BUSY_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    status;             /*The status field*/
    BYTE    waitTime;           /**/
} ZW_APPLICATION_BUSY_FRAME;

/*****
/* Application Rejected Request command class structs */
*****/
typedef struct _ZW_APPLICATION_REJECTED_REQUEST_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    status;             /**/
} ZW_APPLICATION_REJECTED_REQUEST_FRAME;

/*****
/* Command Configuration Get command class structs */
*****/
typedef struct _ZW_COMMAND_CONFIGURATION_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /**/
    BYTE    nodeId;             /**/
} ZW_COMMAND_CONFIGURATION_GET_FRAME;

/*****
/* Command Configuration Report 1byte command class structs */
*****/
typedef struct _ZW_COMMAND_CONFIGURATION_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /**/
    BYTE    nodeId;             /**/
    BYTE    properties1;        /* masked byte */
    BYTE    commandLength;       /**/
    BYTE    commandClassIdentifier; /**/
    BYTE    commandIdentifier;    /**/
    BYTE    commandByte1;
} ZW_COMMAND_CONFIGURATION_REPORT_1BYTE_FRAME;

/*****
/* Command Configuration Report 2byte command class structs */
*****/
typedef struct _ZW_COMMAND_CONFIGURATION_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /**/
    BYTE    nodeId;             /**/
    BYTE    properties1;        /* masked byte */
    BYTE    commandLength;       /**/
    BYTE    commandClassIdentifier; /**/
    BYTE    commandIdentifier;    /**/
    BYTE    commandByte1;        /* MSB */
    BYTE    commandByte2;        /* LSB */
} ZW_COMMAND_CONFIGURATION_REPORT_2BYTE_FRAME;

/*****
/* Command Configuration Report 3byte command class structs */
*****/
typedef struct _ZW_COMMAND_CONFIGURATION_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /**/
    BYTE    nodeId;             /**/
    BYTE    properties1;        /* masked byte */
    BYTE    commandLength;       /**/
    BYTE    commandClassIdentifier; /**/
    BYTE    commandIdentifier;    /**/
    BYTE    commandByte1;        /* MSB */
    BYTE    commandByte2;
    BYTE    commandByte3;        /* LSB */
} ZW_COMMAND_CONFIGURATION_REPORT_3BYTE_FRAME;

/*****/
```

```
/* Command Configuration Report 4byte command class structs */
/*****
typedef struct _ZW_COMMAND_CONFIGURATION_REPORT_4BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      groupingIdentifier; /* */
    BYTE      nodeId;           /* */
    BYTE      properties1;       /* masked byte */
    BYTE      commandLength;     /* */
    BYTE      commandClassIdentifier; /* */
    BYTE      commandIdentifier; /* */
    BYTE      commandByte1;      /* MSB */
    BYTE      commandByte2;
    BYTE      commandByte3;
    BYTE      commandByte4;      /* LSB */
} ZW_COMMAND_CONFIGURATION_REPORT_4BYTE_FRAME;

/*****
/* Command Configuration Set 1byte command class structs */
/*****
typedef struct _ZW_COMMAND_CONFIGURATION_SET_1BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      groupingIdentifier; /* */
    BYTE      nodeId;           /* */
    BYTE      commandLength;     /* */
    BYTE      commandClassIdentifier; /* */
    BYTE      commandIdentifier; /* */
    BYTE      commandByte1;
} ZW_COMMAND_CONFIGURATION_SET_1BYTE_FRAME;

/*****
/* Command Configuration Set 2byte command class structs */
/*****
typedef struct _ZW_COMMAND_CONFIGURATION_SET_2BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      groupingIdentifier; /* */
    BYTE      nodeId;           /* */
    BYTE      commandLength;     /* */
    BYTE      commandClassIdentifier; /* */
    BYTE      commandIdentifier; /* */
    BYTE      commandByte1;      /* MSB */
    BYTE      commandByte2;      /* LSB */
} ZW_COMMAND_CONFIGURATION_SET_2BYTE_FRAME;

/*****
/* Command Configuration Set 3byte command class structs */
/*****
typedef struct _ZW_COMMAND_CONFIGURATION_SET_3BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      groupingIdentifier; /* */
    BYTE      nodeId;           /* */
    BYTE      commandLength;     /* */
    BYTE      commandClassIdentifier; /* */
    BYTE      commandIdentifier; /* */
    BYTE      commandByte1;      /* MSB */
    BYTE      commandByte2;
    BYTE      commandByte3;      /* LSB */
} ZW_COMMAND_CONFIGURATION_SET_3BYTE_FRAME;

/*****
/* Command Configuration Set 4byte command class structs */
/*****
typedef struct _ZW_COMMAND_CONFIGURATION_SET_4BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      groupingIdentifier; /* */
    BYTE      nodeId;           /* */
    BYTE      commandLength;     /* */
    BYTE      commandClassIdentifier; /* */
    BYTE      commandIdentifier; /* */
    BYTE      commandByte1;      /* MSB */
    BYTE      commandByte2;
    BYTE      commandByte3;
```

```

    BYTE      commandByte4;          /* LSB */
} ZW_COMMAND_CONFIGURATION_SET_4BYTE_FRAME;

/*****
/* Command Records Supported Get command class structs */
*****/
typedef struct _ZW_COMMAND_RECORDS_SUPPORTED_GET_FRAME_
{
    BYTE      cmdClass;              /* The command class */
    BYTE      cmd;                  /* The command */
} ZW_COMMAND_RECORDS_SUPPORTED_GET_FRAME;

/*****
/* Command Records Supported Report command class structs */
*****/
typedef struct _ZW_COMMAND_RECORDS_SUPPORTED_REPORT_FRAME_
{
    BYTE      cmdClass;              /* The command class */
    BYTE      cmd;                  /* The command */
    BYTE      properties1;          /* masked byte */
    BYTE      freeCommandRecords1;  /* MSB */
    BYTE      freeCommandRecords2;  /* LSB */
    BYTE      maxCommandRecords1;   /* MSB */
    BYTE      maxCommandRecords2;   /* LSB */
} ZW_COMMAND_RECORDS_SUPPORTED_REPORT_FRAME;

/*****
/* Association Get command class structs */
*****/
typedef struct _ZW_ASSOCIATION_GET_FRAME_
{
    BYTE      cmdClass;              /* The command class */
    BYTE      cmd;                  /* The command */
    BYTE      groupingIdentifier;    /**/
} ZW_ASSOCIATION_GET_FRAME;

/*****
/* Association Groupings Get command class structs */
*****/
typedef struct _ZW_ASSOCIATION_GROUPINGS_GET_FRAME_
{
    BYTE      cmdClass;              /* The command class */
    BYTE      cmd;                  /* The command */
} ZW_ASSOCIATION_GROUPINGS_GET_FRAME;

/*****
/* Association Groupings Report command class structs */
*****/
typedef struct _ZW_ASSOCIATION_GROUPINGS_REPORT_FRAME_
{
    BYTE      cmdClass;              /* The command class */
    BYTE      cmd;                  /* The command */
    BYTE      supportedGroupings;    /**/
} ZW_ASSOCIATION_GROUPINGS_REPORT_FRAME;

/*****
/* Association Remove 1byte command class structs */
*****/
typedef struct _ZW_ASSOCIATION_REMOVE_1BYTE_FRAME_
{
    BYTE      cmdClass;              /* The command class */
    BYTE      cmd;                  /* The command */
    BYTE      groupingIdentifier;    /**/
    BYTE      nodeId1;
} ZW_ASSOCIATION_REMOVE_1BYTE_FRAME;

/*****
/* Association Remove 2byte command class structs */
*****/
typedef struct _ZW_ASSOCIATION_REMOVE_2BYTE_FRAME_
{
    BYTE      cmdClass;              /* The command class */
    BYTE      cmd;                  /* The command */
    BYTE      groupingIdentifier;    /**/
    BYTE      nodeId1;              /* MSB */
    BYTE      nodeId2;              /* LSB */
} ZW_ASSOCIATION_REMOVE_2BYTE_FRAME;

/*****
/* Association Remove 3byte command class structs */
*****/

```

```

typedef struct _ZW_ASSOCIATION_REMOVE_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    nodeId1;                /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;                /* LSB */
} ZW_ASSOCIATION_REMOVE_3BYTE_FRAME;

/*****/
/* Association Remove 4byte command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_REMOVE_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    nodeId1;                /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;
    BYTE    nodeId4;                /* LSB */
} ZW_ASSOCIATION_REMOVE_4BYTE_FRAME;

/*****/
/* Association Report 1byte command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    maxNodesSupported;      /**/
    BYTE    reportsToFollow;        /**/
    BYTE    nodeId1;
} ZW_ASSOCIATION_REPORT_1BYTE_FRAME;

/*****/
/* Association Report 2byte command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    maxNodesSupported;      /**/
    BYTE    reportsToFollow;        /**/
    BYTE    nodeId1;                /* MSB */
    BYTE    nodeId2;                /* LSB */
} ZW_ASSOCIATION_REPORT_2BYTE_FRAME;

/*****/
/* Association Report 3byte command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    maxNodesSupported;      /**/
    BYTE    reportsToFollow;        /**/
    BYTE    nodeId1;                /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;                /* LSB */
} ZW_ASSOCIATION_REPORT_3BYTE_FRAME;

/*****/
/* Association Report 4byte command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    maxNodesSupported;      /**/
    BYTE    reportsToFollow;        /**/
    BYTE    nodeId1;                /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;
    BYTE    nodeId4;                /* LSB */
} ZW_ASSOCIATION_REPORT_4BYTE_FRAME;

```

```

/*****
/* Association Set 1byte command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /**/
    BYTE    nodeId1;
} ZW_ASSOCIATION_SET_1BYTE_FRAME;

/*****
/* Association Set 2byte command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /**/
    BYTE    nodeId1;           /* MSB */
    BYTE    nodeId2;           /* LSB */
} ZW_ASSOCIATION_SET_2BYTE_FRAME;

/*****
/* Association Set 3byte command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /**/
    BYTE    nodeId1;           /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;           /* LSB */
} ZW_ASSOCIATION_SET_3BYTE_FRAME;

/*****
/* Association Set 4byte command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_SET_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /**/
    BYTE    nodeId1;           /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;
    BYTE    nodeId4;           /* LSB */
} ZW_ASSOCIATION_SET_4BYTE_FRAME;

/*****
/* Association Get V2 command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /**/
} ZW_ASSOCIATION_GET_V2_FRAME;

/*****
/* Association Groupings Get V2 command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_GROUPINGS_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_ASSOCIATION_GROUPINGS_GET_V2_FRAME;

/*****
/* Association Groupings Report V2 command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_GROUPINGS_REPORT_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    supportedGroupings; /**/
} ZW_ASSOCIATION_GROUPINGS_REPORT_V2_FRAME;

/*****/

```

```

/* Association Remove 1byte V2 command class structs */
/*****
typedef struct _ZW_ASSOCIATION_REMOVE_1BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      groupingIdentifier; /* */
    BYTE      nodeId1;           /* */
} ZW_ASSOCIATION_REMOVE_1BYTE_V2_FRAME;

/*****
/* Association Remove 2byte V2 command class structs */
/*****
typedef struct _ZW_ASSOCIATION_REMOVE_2BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      groupingIdentifier; /* */
    BYTE      nodeId1;           /* MSB */
    BYTE      nodeId2;           /* LSB */
} ZW_ASSOCIATION_REMOVE_2BYTE_V2_FRAME;

/*****
/* Association Remove 3byte V2 command class structs */
/*****
typedef struct _ZW_ASSOCIATION_REMOVE_3BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      groupingIdentifier; /* */
    BYTE      nodeId1;           /* MSB */
    BYTE      nodeId2;           /* */
    BYTE      nodeId3;           /* LSB */
} ZW_ASSOCIATION_REMOVE_3BYTE_V2_FRAME;

/*****
/* Association Remove 4byte V2 command class structs */
/*****
typedef struct _ZW_ASSOCIATION_REMOVE_4BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      groupingIdentifier; /* */
    BYTE      nodeId1;           /* MSB */
    BYTE      nodeId2;           /* */
    BYTE      nodeId3;           /* */
    BYTE      nodeId4;           /* LSB */
} ZW_ASSOCIATION_REMOVE_4BYTE_V2_FRAME;

/*****
/* Association Report 1byte V2 command class structs */
/*****
typedef struct _ZW_ASSOCIATION_REPORT_1BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      groupingIdentifier; /* */
    BYTE      maxNodesSupported; /* */
    BYTE      reportsToFollow;   /* */
    BYTE      nodeId1;           /* */
} ZW_ASSOCIATION_REPORT_1BYTE_V2_FRAME;

/*****
/* Association Report 2byte V2 command class structs */
/*****
typedef struct _ZW_ASSOCIATION_REPORT_2BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      groupingIdentifier; /* */
    BYTE      maxNodesSupported; /* */
    BYTE      reportsToFollow;   /* */
    BYTE      nodeId1;           /* MSB */
    BYTE      nodeId2;           /* LSB */
} ZW_ASSOCIATION_REPORT_2BYTE_V2_FRAME;

/*****
/* Association Report 3byte V2 command class structs */
/*****
typedef struct _ZW_ASSOCIATION_REPORT_3BYTE_V2_FRAME_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    maxNodesSupported;      /**/
    BYTE    reportsToFollow;        /**/
    BYTE    nodeId1;                /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;                /* LSB */
} ZW_ASSOCIATION_REPORT_3BYTE_V2_FRAME;

/*****
/* Association Report 4byte V2 command class structs */
*****/
typedef struct _ZW_ASSOCIATION_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    maxNodesSupported;      /**/
    BYTE    reportsToFollow;        /**/
    BYTE    nodeId1;                /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;
    BYTE    nodeId4;                /* LSB */
} ZW_ASSOCIATION_REPORT_4BYTE_V2_FRAME;

/*****
/* Association Set 1byte V2 command class structs */
*****/
typedef struct _ZW_ASSOCIATION_SET_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    nodeId1;
} ZW_ASSOCIATION_SET_1BYTE_V2_FRAME;

/*****
/* Association Set 2byte V2 command class structs */
*****/
typedef struct _ZW_ASSOCIATION_SET_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    nodeId1;                /* MSB */
    BYTE    nodeId2;                /* LSB */
} ZW_ASSOCIATION_SET_2BYTE_V2_FRAME;

/*****
/* Association Set 3byte V2 command class structs */
*****/
typedef struct _ZW_ASSOCIATION_SET_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    nodeId1;                /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;                /* LSB */
} ZW_ASSOCIATION_SET_3BYTE_V2_FRAME;

/*****
/* Association Set 4byte V2 command class structs */
*****/
typedef struct _ZW_ASSOCIATION_SET_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    nodeId1;                /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;
    BYTE    nodeId4;                /* LSB */
} ZW_ASSOCIATION_SET_4BYTE_V2_FRAME;

/*****
/* Association Specific Group Get V2 command class structs */
*****/
typedef struct _ZW_ASSOCIATION_SPECIFIC_GROUP_GET_V2_FRAME_
{

```

```
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* 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 */
    BYTE    cmd;                     /* The command */
    BYTE    group;                   /**/
} ZW_ASSOCIATION_SPECIFIC_GROUP_REPORT_V2_FRAME;

/*****
/* Av Content Browse Md By Letter Get command class structs */
*****/
typedef struct _ZW_AV_CONTENT_BROWSE_MD_BY_LETTER_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_AV_CONTENT_BROWSE_MD_BY_LETTER_REPORT_FRAME;

/*****
/* Av Content Browse Md Child Count Get command class structs */
*****/
typedef struct _ZW_AV_CONTENT_BROWSE_MD_CHILD_COUNT_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_AV_CONTENT_BROWSE_MD_GET_FRAME;

/*****
/* Av Content Browse Md Report command class structs */
*****/
typedef struct _ZW_AV_CONTENT_BROWSE_MD_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_AV_CONTENT_BROWSE_MD_REPORT_FRAME;

/*****
/* Av Match Item To Renderer Md Get command class structs */
*****/
typedef struct _ZW_AV_MATCH_ITEM_TO_RENDERER_MD_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_AV_MATCH_ITEM_TO_RENDERER_MD_GET_FRAME;

/*****
/* Av Match Item To Renderer Md Report command class structs */
*****/
typedef struct _ZW_AV_MATCH_ITEM_TO_RENDERER_MD_REPORT_FRAME_
```



```

{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_AV_CONTENT_SEARCH_MD_GET_FRAME;

/*****/
/* Av Content Search Md Report command class structs */
/*****/
typedef struct _ZW_AV_CONTENT_SEARCH_MD_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_AV_CONTENT_SEARCH_MD_REPORT_FRAME;

/*****/
/* Av Renderer Status Get command class structs */
/*****/
typedef struct _ZW_AV_RENDERER_STATUS_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_AV_RENDERER_STATUS_GET_FRAME;

/*****/
/* Av Renderer Status Report command class structs */
/*****/
typedef struct _ZW_AV_RENDERER_STATUS_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_AV_RENDERER_STATUS_REPORT_FRAME;

/*****/
/* Av Tagging Md Get command class structs */
/*****/
typedef struct _ZW_AV_TAGGING_MD_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_AV_TAGGING_MD_GET_FRAME;

/*****/
/* Av Tagging Md Report command class structs */
/*****/
typedef struct _ZW_AV_TAGGING_MD_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_AV_TAGGING_MD_REPORT_FRAME;

/*****/
/* Basic Tariff Info Get command class structs */
/*****/
typedef struct _ZW_BASIC_TARIFF_INFO_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_BASIC_TARIFF_INFO_GET_FRAME;

/*****/
/* Basic Tariff Info Report command class structs */
/*****/
typedef struct _ZW_BASIC_TARIFF_INFO_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    properties1;       /* masked byte */
    BYTE    properties2;       /* masked byte */
    BYTE    elRateConsumptionRegister1; /* MSB */
    BYTE    elRateConsumptionRegister2;
    BYTE    elRateConsumptionRegister3;
    BYTE    elRateConsumptionRegister4; /* LSB */
}

```

```

    BYTE    e1TimeForNextRateHours;    /**/
    BYTE    e1TimeForNextRateMinutes;  /**/
    BYTE    e1TimeForNextRateSeconds;  /**/
    BYTE    properties3;               /* masked byte */
    BYTE    e2RateConsumptionRegister1; /* MSB */
    BYTE    e2RateConsumptionRegister2;
    BYTE    e2RateConsumptionRegister3;
    BYTE    e2RateConsumptionRegister4; /* 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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
} ZW_BASIC_WINDOW_COVERING_STOP_LEVEL_CHANGE_FRAME;

/*****/
/* Basic Get command class structs */
/*****/
typedef struct _ZW_BASIC_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
} ZW_BASIC_GET_FRAME;

/*****/
/* Basic Report command class structs */
/*****/
typedef struct _ZW_BASIC_REPORT_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    value;                     /**/
} ZW_BASIC_REPORT_FRAME;

/*****/
/* Basic Set command class structs */
/*****/
typedef struct _ZW_BASIC_SET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    value;                     /**/
} ZW_BASIC_SET_FRAME;

/*****/
/* Basic Get V2 command class structs */
/*****/
typedef struct _ZW_BASIC_GET_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
} ZW_BASIC_GET_V2_FRAME;

/*****/
/* Basic Report V2 command class structs */
/*****/
typedef struct _ZW_BASIC_REPORT_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    currentValue;              /**/
    BYTE    targetValue;               /**/
    BYTE    duration;                  /**/
} ZW_BASIC_REPORT_V2_FRAME;

/*****/
/* Basic Set V2 command class structs */
/*****/

```

```

/*****
typedef struct _ZW_BASIC_SET_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    value;             /**/
} ZW_BASIC_SET_V2_FRAME;

/*****
/* Battery Get command class structs */
/*****
typedef struct _ZW_BATTERY_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_BATTERY_GET_FRAME;

/*****
/* Battery Report command class structs */
/*****
typedef struct _ZW_BATTERY_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    batteryLevel;      /**/
} ZW_BATTERY_REPORT_FRAME;

/*****
/* Chimney Fan Alarm Log Get command class structs */
/*****
typedef struct _ZW_CHIMNEY_FAN_ALARM_LOG_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_CHIMNEY_FAN_ALARM_LOG_GET_FRAME;

/*****
/* Chimney Fan Alarm Log Report command class structs */
/*****
typedef struct _ZW_CHIMNEY_FAN_ALARM_LOG_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    alarmEvent1;       /* masked byte */
    BYTE    alarmEvent2;       /* masked byte */
    BYTE    alarmEvent3;       /* masked byte */
    BYTE    alarmEvent4;       /* masked byte */
    BYTE    alarmEvent5;       /* masked 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_CHIMNEY_FAN_ALARM_STATUS_GET_FRAME;

/*****
/* Chimney Fan Alarm Status Report command class structs */
/*****
typedef struct _ZW_CHIMNEY_FAN_ALARM_STATUS_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    alarmStatus;       /* masked byte */
} ZW_CHIMNEY_FAN_ALARM_STATUS_REPORT_FRAME;

/*****
/* Chimney Fan Alarm Status Set command class structs */
/*****/pre>
```

```

/*****/
typedef struct _ZW_CHIMNEY_FAN_ALARM_STATUS_SET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    message;            /* masked byte */
} ZW_CHIMNEY_FAN_ALARM_STATUS_SET_FRAME;

/*****/
/* Chimney Fan Alarm Temp Get command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_ALARM_TEMP_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    value1;
} ZW_CHIMNEY_FAN_ALARM_TEMP_REPORT_1BYTE_FRAME;

/*****/
/* Chimney Fan Alarm Temp Report 2byte command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_ALARM_TEMP_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;             /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;
    BYTE    value3;             /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;             /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    value1;
} ZW_CHIMNEY_FAN_ALARM_TEMP_SET_1BYTE_FRAME;

/*****/
/* Chimney Fan Alarm Temp Set 2byte command class structs */
/*****/

```

```

typedef struct _ZW_CHIMNEY_FAN_ALARM_TEMP_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;             /* LSB */
} ZW_CHIMNEY_FAN_ALARM_TEMP_SET_2BYTE_FRAME;

/*****/
/* Chimney Fan Alarm Temp Set 3byte command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_ALARM_TEMP_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;             /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_CHIMNEY_FAN_BOOST_TIME_GET_FRAME;

/*****/
/* Chimney Fan Boost Time Report command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_BOOST_TIME_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    time;               /**/
} ZW_CHIMNEY_FAN_BOOST_TIME_REPORT_FRAME;

/*****/
/* Chimney Fan Boost Time Set command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_BOOST_TIME_SET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    time;               /**/
} ZW_CHIMNEY_FAN_BOOST_TIME_SET_FRAME;

/*****/
/* Chimney Fan Default Set command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_DEFAULT_SET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} 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 */
    BYTE    cmd;                /* The command */

```

```

} ZW_CHIMNEY_FAN_MIN_SPEED_GET_FRAME;

/*****/
/* Chimney Fan Min Speed Report command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_MIN_SPEED_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    minSpeed;          /**/
} ZW_CHIMNEY_FAN_MIN_SPEED_SET_FRAME;

/*****/
/* Chimney Fan Mode Get command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_MODE_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_CHIMNEY_FAN_MODE_GET_FRAME;

/*****/
/* Chimney Fan Mode Report command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_MODE_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    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 */
    BYTE    cmd;               /* 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_CHIMNEY_FAN_SETUP_GET_FRAME;

/*****/
/* Chimney Fan Setup Report 1byte command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_SETUP_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    mode;              /**/
    BYTE    boostTime;          /**/
    BYTE    stopTime;           /**/
    BYTE    minSpeed;           /**/
    BYTE    properties1;        /* masked byte */
    BYTE    startTemperature1;
    BYTE    properties2;        /* masked byte */
    BYTE    stopTemperature1;
    BYTE    properties3;        /* 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 */
    BYTE    cmd;                /* The command */
    BYTE    mode;               /**/
    BYTE    boostTime;          /**/
    BYTE    stopTime;           /**/
    BYTE    minSpeed;           /**/
    BYTE    properties1;        /* masked byte */
    BYTE    startTemperature1;   /* MSB */
    BYTE    startTemperature2;   /* LSB */
    BYTE    properties2;        /* masked byte */
    BYTE    stopTemperature1;    /* MSB */
    BYTE    stopTemperature2;    /* LSB */
    BYTE    properties3;        /* masked byte */
    BYTE    alarmTemperatureValue1; /* MSB */
    BYTE    alarmTemperatureValue2; /* LSB */
} ZW_CHIMNEY_FAN_SETUP_REPORT_2BYTE_FRAME;

/*****/
/* Chimney Fan Setup Report 3byte command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_SETUP_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    mode;               /**/
    BYTE    boostTime;          /**/
    BYTE    stopTime;           /**/
    BYTE    minSpeed;           /**/
    BYTE    properties1;        /* masked byte */
    BYTE    startTemperature1;   /* MSB */
    BYTE    startTemperature2;   /* LSB */
    BYTE    startTemperature3;   /* LSB */
    BYTE    properties2;        /* masked byte */
    BYTE    stopTemperature1;    /* MSB */
    BYTE    stopTemperature2;    /* LSB */
    BYTE    stopTemperature3;    /* LSB */
    BYTE    properties3;        /* masked byte */
    BYTE    alarmTemperatureValue1; /* MSB */
    BYTE    alarmTemperatureValue2; /* LSB */
    BYTE    alarmTemperatureValue3; /* LSB */
} ZW_CHIMNEY_FAN_SETUP_REPORT_3BYTE_FRAME;

/*****/
/* Chimney Fan Setup Report 4byte command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_SETUP_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    mode;               /**/
    BYTE    boostTime;          /**/
    BYTE    stopTime;           /**/
    BYTE    minSpeed;           /**/
    BYTE    properties1;        /* masked byte */
    BYTE    startTemperature1;   /* MSB */
    BYTE    startTemperature2;   /* LSB */
    BYTE    startTemperature3;   /* LSB */
    BYTE    startTemperature4;   /* LSB */
    BYTE    properties2;        /* masked byte */
    BYTE    stopTemperature1;    /* MSB */
    BYTE    stopTemperature2;    /* LSB */
    BYTE    stopTemperature3;    /* LSB */
    BYTE    stopTemperature4;    /* LSB */
    BYTE    properties3;        /* masked byte */
    BYTE    alarmTemperatureValue1; /* MSB */
    BYTE    alarmTemperatureValue2; /* MSB */
    BYTE    alarmTemperatureValue3; /* MSB */
    BYTE    alarmTemperatureValue4; /* LSB */
} ZW_CHIMNEY_FAN_SETUP_REPORT_4BYTE_FRAME;

/*****/
/* Chimney Fan Setup Set 1byte command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_SETUP_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    mode;               /**/
}
```

```

    BYTE    boostTime;                /**/
    BYTE    stopTime;                /**/
    BYTE    minSpeed;                /**/
    BYTE    properties1;              /* masked byte */
    BYTE    startTemperature1;
    BYTE    properties2;              /* masked byte */
    BYTE    stopTemperature1;
    BYTE    properties3;              /* masked byte */
    BYTE    alarmTemperatureValue1;
} 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 */
    BYTE    mode;                    /**/
    BYTE    boostTime;               /**/
    BYTE    stopTime;                /**/
    BYTE    minSpeed;                /**/
    BYTE    properties1;              /* masked byte */
    BYTE    startTemperature1;        /* MSB */
    BYTE    startTemperature2;        /* LSB */
    BYTE    properties2;              /* masked byte */
    BYTE    stopTemperature1;         /* MSB */
    BYTE    stopTemperature2;         /* LSB */
    BYTE    properties3;              /* masked byte */
    BYTE    alarmTemperatureValue1;   /* MSB */
    BYTE    alarmTemperatureValue2;   /* LSB */
} ZW_CHIMNEY_FAN_SETUP_SET_2BYTE_FRAME;

/*****/
/* Chimney Fan Setup Set 3byte command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_SETUP_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    mode;                    /**/
    BYTE    boostTime;               /**/
    BYTE    stopTime;                /**/
    BYTE    minSpeed;                /**/
    BYTE    properties1;              /* masked byte */
    BYTE    startTemperature1;        /* MSB */
    BYTE    startTemperature2;
    BYTE    startTemperature3;        /* LSB */
    BYTE    properties2;              /* masked byte */
    BYTE    stopTemperature1;         /* MSB */
    BYTE    stopTemperature2;
    BYTE    stopTemperature3;         /* LSB */
    BYTE    properties3;              /* masked byte */
    BYTE    alarmTemperatureValue1;   /* MSB */
    BYTE    alarmTemperatureValue2;
    BYTE    alarmTemperatureValue3;   /* LSB */
} 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 */
    BYTE    cmd;                     /* The command */
    BYTE    mode;                    /**/
    BYTE    boostTime;               /**/
    BYTE    stopTime;                /**/
    BYTE    minSpeed;                /**/
    BYTE    properties1;              /* masked byte */
    BYTE    startTemperature1;        /* MSB */
    BYTE    startTemperature2;
    BYTE    startTemperature3;
    BYTE    startTemperature4;        /* LSB */
    BYTE    properties2;              /* masked byte */
    BYTE    stopTemperature1;         /* MSB */
    BYTE    stopTemperature2;
    BYTE    stopTemperature3;
    BYTE    stopTemperature4;         /* LSB */
    BYTE    properties3;              /* masked byte */
    BYTE    alarmTemperatureValue1;   /* MSB */

```



```

    BYTE    alarmTemperatureValue2;
    BYTE    alarmTemperatureValue3;
    BYTE    alarmTemperatureValue4;          /* LSB */
} ZW_CHIMNEY_FAN_SETUP_SET_4BYTE_FRAME;

/*****/
/* Chimney Fan Speed Get command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_SPEED_GET_FRAME_
{
    BYTE    cmdClass;                       /* The command class */
    BYTE    cmd;                            /* The command */
} ZW_CHIMNEY_FAN_SPEED_GET_FRAME;

/*****/
/* Chimney Fan Speed Report command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_SPEED_REPORT_FRAME_
{
    BYTE    cmdClass;                       /* The command class */
    BYTE    cmd;                            /* The command */
    BYTE    speed;                          /**/
} ZW_CHIMNEY_FAN_SPEED_REPORT_FRAME;

/*****/
/* Chimney Fan Speed Set command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_SPEED_SET_FRAME_
{
    BYTE    cmdClass;                       /* The command class */
    BYTE    cmd;                            /* The command */
    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_
{
    BYTE    cmdClass;                       /* The command class */
    BYTE    cmd;                            /* The command */
} 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 */
    BYTE    cmd;                            /* The command */
    BYTE    properties1;                    /* masked byte */
    BYTE    value1;
} ZW_CHIMNEY_FAN_START_TEMP_REPORT_1BYTE_FRAME;

/*****/
/* Chimney Fan Start Temp Report 2byte command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_START_TEMP_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                       /* The command class */
    BYTE    cmd;                            /* The command */
    BYTE    properties1;                    /* masked byte */
    BYTE    value1;                        /* MSB */
    BYTE    value2;                        /* LSB */
} ZW_CHIMNEY_FAN_START_TEMP_REPORT_2BYTE_FRAME;

/*****/
/* Chimney Fan Start Temp Report 3byte command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_START_TEMP_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                       /* The command class */
    BYTE    cmd;                            /* The command */
    BYTE    properties1;                    /* masked byte */
    BYTE    value1;                        /* MSB */
    BYTE    value2;
    BYTE    value3;                        /* 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 */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    value1;                 /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;                 /* LSB */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    value1;
} ZW_CHIMNEY_FAN_START_TEMP_SET_1BYTE_FRAME;

/*****
/* Chimney Fan Start Temp Set 2byte command class structs */
/*****
typedef struct _ZW_CHIMNEY_FAN_START_TEMP_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    value1;                 /* MSB */
    BYTE    value2;                 /* LSB */
} ZW_CHIMNEY_FAN_START_TEMP_SET_2BYTE_FRAME;

/*****
/* Chimney Fan Start Temp Set 3byte command class structs */
/*****
typedef struct _ZW_CHIMNEY_FAN_START_TEMP_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    value1;                 /* MSB */
    BYTE    value2;
    BYTE    value3;                 /* LSB */
} ZW_CHIMNEY_FAN_START_TEMP_SET_3BYTE_FRAME;

/*****
/* Chimney Fan Start Temp Set 4byte command class structs */
/*****
typedef struct _ZW_CHIMNEY_FAN_START_TEMP_SET_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    value1;                 /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;                 /* LSB */
} ZW_CHIMNEY_FAN_START_TEMP_SET_4BYTE_FRAME;

/*****
/* Chimney Fan State Get command class structs */
/*****
typedef struct _ZW_CHIMNEY_FAN_STATE_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_CHIMNEY_FAN_STATE_GET_FRAME;

/*****
/* Chimney Fan State Report command class structs */
/*****
typedef struct _ZW_CHIMNEY_FAN_STATE_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* 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 */
    BYTE    cmd;               /* The command */
} ZW_CHIMNEY_FAN_STATUS_GET_FRAME;

/*****
/* Chimney Fan Status Report 1byte command class structs */
/*****
typedef struct _ZW_CHIMNEY_FAN_STATUS_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    state;             /**/
    BYTE    speed;             /**/
    BYTE    alarmStatus;        /* masked byte */
    BYTE    properties1;        /* masked byte */
    BYTE    value1;
} ZW_CHIMNEY_FAN_STATUS_REPORT_1BYTE_FRAME;

/*****
/* Chimney Fan Status Report 2byte command class structs */
/*****
typedef struct _ZW_CHIMNEY_FAN_STATUS_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    state;             /**/
    BYTE    speed;             /**/
    BYTE    alarmStatus;        /* masked byte */
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;             /* LSB */
} ZW_CHIMNEY_FAN_STATUS_REPORT_2BYTE_FRAME;

/*****
/* Chimney Fan Status Report 3byte command class structs */
/*****
typedef struct _ZW_CHIMNEY_FAN_STATUS_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    state;             /**/
    BYTE    speed;             /**/
    BYTE    alarmStatus;        /* masked byte */
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;
    BYTE    value3;             /* LSB */
} ZW_CHIMNEY_FAN_STATUS_REPORT_3BYTE_FRAME;

/*****
/* Chimney Fan Status Report 4byte command class structs */
/*****
typedef struct _ZW_CHIMNEY_FAN_STATUS_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    state;             /**/
    BYTE    speed;             /**/
    BYTE    alarmStatus;        /* masked byte */
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;             /* LSB */
} ZW_CHIMNEY_FAN_STATUS_REPORT_4BYTE_FRAME;

```

```

/*****
/* Chimney Fan Stop Temp Get command class structs */
*****/
typedef struct _ZW_CHIMNEY_FAN_STOP_TEMP_GET_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_CHIMNEY_FAN_STOP_TEMP_GET_FRAME;

/*****
/* Chimney Fan Stop Temp Report 1byte command class structs */
*****/
typedef struct _ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_1BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    BYTE      value1;
} ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_1BYTE_FRAME;

/*****
/* Chimney Fan Stop Temp Report 2byte command class structs */
*****/
typedef struct _ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_2BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    BYTE      value1;            /* MSB */
    BYTE      value2;            /* LSB */
} 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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    BYTE      value1;            /* MSB */
    BYTE      value2;
    BYTE      value3;            /* LSB */
} 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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    BYTE      value1;            /* MSB */
    BYTE      value2;
    BYTE      value3;
    BYTE      value4;            /* LSB */
} ZW_CHIMNEY_FAN_STOP_TEMP_REPORT_4BYTE_FRAME;

/*****
/* Chimney Fan Stop Temp Set 1byte command class structs */
*****/
typedef struct _ZW_CHIMNEY_FAN_STOP_TEMP_SET_1BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked 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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    BYTE      value1;            /* MSB */
    BYTE      value2;            /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;
    BYTE    value3;            /* LSB */
} ZW_CHIMNEY_FAN_STOP_TEMP_SET_3BYTE_FRAME;

/*****
/* Chimney Fan Stop Temp Set 4byte command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_STOP_TEMP_SET_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;            /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_CHIMNEY_FAN_STOP_TIME_GET_FRAME;

/*****
/* Chimney Fan Stop Time Report command class structs */
/*****/
typedef struct _ZW_CHIMNEY_FAN_STOP_TIME_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    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 */
    BYTE    cmd;                /* The command */
    BYTE    time;               /**/
} ZW_CHIMNEY_FAN_STOP_TIME_SET_FRAME;

/*****
/* Schedule Changed Get command class structs */
/*****/
typedef struct _ZW_SCHEDULE_CHANGED_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_SCHEDULE_CHANGED_GET_FRAME;

/*****
/* Schedule Changed Report command class structs */
/*****/
typedef struct _ZW_SCHEDULE_CHANGED_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    changecounter;      /**/
} ZW_SCHEDULE_CHANGED_REPORT_FRAME;

/*****
/* Schedule Get command class structs */
/*****/
typedef struct _ZW_SCHEDULE_GET_FRAME_
{

```

```
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
} ZW_SCHEDULE_GET_FRAME;

/*****
/* Schedule Override Get command class structs */
*****/
typedef struct _ZW_SCHEDULE_OVERRIDE_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_SCHEDULE_OVERRIDE_GET_FRAME;

/*****
/* Schedule Override Report command class structs */
*****/
typedef struct _ZW_SCHEDULE_OVERRIDE_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    overrideState;          /**/
} ZW_SCHEDULE_OVERRIDE_REPORT_FRAME;

/*****
/* Schedule Override Set command class structs */
*****/
typedef struct _ZW_SCHEDULE_OVERRIDE_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    overrideState;          /**/
} ZW_SCHEDULE_OVERRIDE_SET_FRAME;

/*****
/* Schedule Report command class structs */
*****/
typedef struct _ZW_SCHEDULE_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    switchpoint01;          /* MSB */
    BYTE    switchpoint02;
    BYTE    switchpoint03;          /* LSB */
    BYTE    switchpoint11;          /* MSB */
    BYTE    switchpoint12;
    BYTE    switchpoint13;          /* LSB */
    BYTE    switchpoint21;          /* MSB */
    BYTE    switchpoint22;
    BYTE    switchpoint23;          /* LSB */
    BYTE    switchpoint31;          /* MSB */
    BYTE    switchpoint32;
    BYTE    switchpoint33;          /* LSB */
    BYTE    switchpoint41;          /* MSB */
    BYTE    switchpoint42;
    BYTE    switchpoint43;          /* LSB */
    BYTE    switchpoint51;          /* MSB */
    BYTE    switchpoint52;
    BYTE    switchpoint53;          /* LSB */
    BYTE    switchpoint61;          /* MSB */
    BYTE    switchpoint62;
    BYTE    switchpoint63;          /* LSB */
    BYTE    switchpoint71;          /* MSB */
    BYTE    switchpoint72;
    BYTE    switchpoint73;          /* LSB */
    BYTE    switchpoint81;          /* MSB */
    BYTE    switchpoint82;
    BYTE    switchpoint83;          /* LSB */
} ZW_SCHEDULE_REPORT_FRAME;

/*****
/* Schedule Set command class structs */
*****/
typedef struct _ZW_SCHEDULE_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
}
```

```

    BYTE    switchpoint01;          /* MSB */
    BYTE    switchpoint02;
    BYTE    switchpoint03;          /* LSB */
    BYTE    switchpoint11;          /* MSB */
    BYTE    switchpoint12;
    BYTE    switchpoint13;          /* LSB */
    BYTE    switchpoint21;          /* MSB */
    BYTE    switchpoint22;
    BYTE    switchpoint23;          /* LSB */
    BYTE    switchpoint31;          /* MSB */
    BYTE    switchpoint32;
    BYTE    switchpoint33;          /* LSB */
    BYTE    switchpoint41;          /* MSB */
    BYTE    switchpoint42;
    BYTE    switchpoint43;          /* LSB */
    BYTE    switchpoint51;          /* MSB */
    BYTE    switchpoint52;
    BYTE    switchpoint53;          /* LSB */
    BYTE    switchpoint61;          /* MSB */
    BYTE    switchpoint62;
    BYTE    switchpoint63;          /* LSB */
    BYTE    switchpoint71;          /* MSB */
    BYTE    switchpoint72;
    BYTE    switchpoint73;          /* LSB */
    BYTE    switchpoint81;          /* MSB */
    BYTE    switchpoint82;
    BYTE    switchpoint83;          /* LSB */
} ZW_SCHEDULE_SET_FRAME;

/*****
/* Clock Get command class structs */
*****/
typedef struct _ZW_CLOCK_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_CLOCK_GET_FRAME;

/*****
/* Clock Report command class structs */
*****/
typedef struct _ZW_CLOCK_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    level;                   /* masked byte */
    BYTE    minute;                  /**/
} ZW_CLOCK_REPORT_FRAME;

/*****
/* Clock Set command class structs */
*****/
typedef struct _ZW_CLOCK_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    level;                   /* masked byte */
    BYTE    minute;                  /**/
} ZW_CLOCK_SET_FRAME;

/*****
/* Configuration Get command class structs */
*****/
typedef struct _ZW_CONFIGURATION_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    parameterNumber;         /**/
} ZW_CONFIGURATION_GET_FRAME;

/*****
/* Configuration Report 1byte command class structs */
*****/
typedef struct _ZW_CONFIGURATION_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    parameterNumber;         /**/
    BYTE    level;                   /* masked byte */
    BYTE    configurationValue1;
} ZW_CONFIGURATION_REPORT_1BYTE_FRAME;

```

```

/*****
/* Configuration Report 2byte command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
    BYTE    level;              /* masked byte */
    BYTE    configurationValue1; /* MSB */
    BYTE    configurationValue2; /* LSB */
} ZW_CONFIGURATION_REPORT_2BYTE_FRAME;

/*****
/* Configuration Report 3byte command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
    BYTE    level;              /* masked byte */
    BYTE    configurationValue1; /* MSB */
    BYTE    configurationValue2;
    BYTE    configurationValue3; /* LSB */
} ZW_CONFIGURATION_REPORT_3BYTE_FRAME;

/*****
/* Configuration Report 4byte command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
    BYTE    level;              /* masked byte */
    BYTE    configurationValue1; /* MSB */
    BYTE    configurationValue2;
    BYTE    configurationValue3;
    BYTE    configurationValue4; /* LSB */
} ZW_CONFIGURATION_REPORT_4BYTE_FRAME;

/*****
/* Configuration Set 1byte command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
    BYTE    level;              /* masked byte */
    BYTE    configurationValue1;
} ZW_CONFIGURATION_SET_1BYTE_FRAME;

/*****
/* Configuration Set 2byte command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
    BYTE    level;              /* masked byte */
    BYTE    configurationValue1; /* MSB */
    BYTE    configurationValue2; /* LSB */
} ZW_CONFIGURATION_SET_2BYTE_FRAME;

/*****
/* Configuration Set 3byte command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
    BYTE    level;              /* masked byte */
    BYTE    configurationValue1; /* MSB */
    BYTE    configurationValue2;
    BYTE    configurationValue3; /* LSB */
} ZW_CONFIGURATION_SET_3BYTE_FRAME;
```



```

/*****
/* Configuration Set 4byte command class structs */
/*****
typedef struct _ZW_CONFIGURATION_SET_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
    BYTE    level;              /* masked byte */
    BYTE    configurationValue1; /* MSB */
    BYTE    configurationValue2;
    BYTE    configurationValue3;
    BYTE    configurationValue4; /* LSB */
} ZW_CONFIGURATION_SET_4BYTE_FRAME;

/*****
/* Configuration Bulk Get V2 command class structs */
/*****
typedef struct _ZW_CONFIGURATION_BULK_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterOffset1;   /* MSB */
    BYTE    parameterOffset2;   /* LSB */
    BYTE    numberOfParameters; /**/
} ZW_CONFIGURATION_BULK_GET_V2_FRAME;

/*****
/* Configuration Bulk Report V2 variant group structs */
/*****
typedef struct _VG_CONFIGURATION_BULK_REPORT_1BYTE_V2_VG_
{
    BYTE    parameter1;
} VG_CONFIGURATION_BULK_REPORT_1BYTE_V2_VG;

/*****
/* Configuration Bulk Report V2 variant group structs */
/*****
typedef struct _VG_CONFIGURATION_BULK_REPORT_2BYTE_V2_VG_
{
    BYTE    parameter1;         /* MSB */
    BYTE    parameter2;         /* LSB */
} VG_CONFIGURATION_BULK_REPORT_2BYTE_V2_VG;

/*****
/* Configuration Bulk Report V2 variant group structs */
/*****
typedef struct _VG_CONFIGURATION_BULK_REPORT_3BYTE_V2_VG_
{
    BYTE    parameter1;         /* MSB */
    BYTE    parameter2;
    BYTE    parameter3;         /* LSB */
} VG_CONFIGURATION_BULK_REPORT_3BYTE_V2_VG;

/*****
/* Configuration Bulk Report V2 variant group structs */
/*****
typedef struct _VG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG_
{
    BYTE    parameter1;         /* MSB */
    BYTE    parameter2;
    BYTE    parameter3;
    BYTE    parameter4;         /* LSB */
} VG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG;

/*****
/* Configuration Bulk Report 1byte V2 command class structs */
/*****
typedef struct _ZW_CONFIGURATION_BULK_REPORT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterOffset1;   /* MSB */
    BYTE    parameterOffset2;   /* LSB */
    BYTE    numberOfParameters; /**/
    BYTE    reportsToFollow;    /**/
    BYTE    properties1;        /* masked byte */
    VG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG variantgroup1; /**/
} ZW_CONFIGURATION_BULK_REPORT_1BYTE_V2_FRAME;

```

```

/*****
/* Configuration Bulk Report 2byte V2 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_BULK_REPORT_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterOffset1;       /* MSB */
    BYTE    parameterOffset2;       /* LSB */
    BYTE    numberOfParameters;     /**/
    BYTE    reportsToFollow;        /**/
    BYTE    properties1;            /* masked byte */
    VG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG variantgroup1; /**/
    VG_CONFIGURATION_BULK_REPORT_4BYTE_V2_VG variantgroup2; /**/
} ZW_CONFIGURATION_BULK_REPORT_2BYTE_V2_FRAME;

/*****
/* Configuration Bulk Report 3byte V2 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_BULK_REPORT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterOffset1;       /* MSB */
    BYTE    parameterOffset2;       /* LSB */
    BYTE    numberOfParameters;     /**/
    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;

/*****
/* Configuration Bulk Report 4byte V2 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_BULK_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterOffset1;       /* MSB */
    BYTE    parameterOffset2;       /* LSB */
    BYTE    numberOfParameters;     /**/
    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;

/*****
/* Configuration Bulk Set V2 variant group structs */
/*****/
typedef struct _VG_CONFIGURATION_BULK_SET_1BYTE_V2_VG_
{
    BYTE    parameter1;
} VG_CONFIGURATION_BULK_SET_1BYTE_V2_VG;

/*****
/* Configuration Bulk Set V2 variant group structs */
/*****/
typedef struct _VG_CONFIGURATION_BULK_SET_2BYTE_V2_VG_
{
    BYTE    parameter1;            /* MSB */
    BYTE    parameter2;            /* LSB */
} VG_CONFIGURATION_BULK_SET_2BYTE_V2_VG;

/*****
/* Configuration Bulk Set V2 variant group structs */
/*****/
typedef struct _VG_CONFIGURATION_BULK_SET_3BYTE_V2_VG_
{
    BYTE    parameter1;            /* MSB */
    BYTE    parameter2;
    BYTE    parameter3;            /* LSB */
} VG_CONFIGURATION_BULK_SET_3BYTE_V2_VG;

/*****
/* Configuration Bulk Set V2 variant group structs */
/*****/

```

```

typedef struct _VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG_
{
    BYTE    parameter1;           /* MSB */
    BYTE    parameter2;
    BYTE    parameter3;
    BYTE    parameter4;           /* LSB */
} VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG;

/*****
/* Configuration Bulk Set 1byte V2 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_BULK_SET_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    parameterOffset1;     /* MSB */
    BYTE    parameterOffset2;     /* LSB */
    BYTE    numberOfParameters;   /**/
    BYTE    properties1;          /* masked byte */
    VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG variantgroup1; /**/
} ZW_CONFIGURATION_BULK_SET_1BYTE_V2_FRAME;

/*****
/* Configuration Bulk Set 2byte V2 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_BULK_SET_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    parameterOffset1;     /* MSB */
    BYTE    parameterOffset2;     /* LSB */
    BYTE    numberOfParameters;   /**/
    BYTE    properties1;          /* masked byte */
    VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG variantgroup1; /**/
    VG_CONFIGURATION_BULK_SET_4BYTE_V2_VG variantgroup2; /**/
} ZW_CONFIGURATION_BULK_SET_2BYTE_V2_FRAME;

/*****
/* Configuration Bulk Set 3byte V2 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_BULK_SET_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    parameterOffset1;     /* MSB */
    BYTE    parameterOffset2;     /* LSB */
    BYTE    numberOfParameters;   /**/
    BYTE    properties1;          /* masked byte */
    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_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    parameterOffset1;     /* MSB */
    BYTE    parameterOffset2;     /* LSB */
    BYTE    numberOfParameters;   /**/
    BYTE    properties1;          /* masked byte */
    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;

/*****
/* Configuration Get V2 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_GET_V2_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    parameterNumber;      /**/
} ZW_CONFIGURATION_GET_V2_FRAME;

/*****/

```

```

/* Configuration Report 1byte V2 command class structs */
/*****
typedef struct _ZW_CONFIGURATION_REPORT_1BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      parameterNumber;    /**/
    BYTE      level;             /* masked byte */
    BYTE      configurationValue1;
} ZW_CONFIGURATION_REPORT_1BYTE_V2_FRAME;

/*****
/* Configuration Report 2byte V2 command class structs */
/*****
typedef struct _ZW_CONFIGURATION_REPORT_2BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      parameterNumber;    /**/
    BYTE      level;             /* masked byte */
    BYTE      configurationValue1; /* MSB */
    BYTE      configurationValue2; /* LSB */
} ZW_CONFIGURATION_REPORT_2BYTE_V2_FRAME;

/*****
/* Configuration Report 3byte V2 command class structs */
/*****
typedef struct _ZW_CONFIGURATION_REPORT_3BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      parameterNumber;    /**/
    BYTE      level;             /* masked byte */
    BYTE      configurationValue1; /* MSB */
    BYTE      configurationValue2;
    BYTE      configurationValue3; /* LSB */
} ZW_CONFIGURATION_REPORT_3BYTE_V2_FRAME;

/*****
/* Configuration Report 4byte V2 command class structs */
/*****
typedef struct _ZW_CONFIGURATION_REPORT_4BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      parameterNumber;    /**/
    BYTE      level;             /* masked byte */
    BYTE      configurationValue1; /* MSB */
    BYTE      configurationValue2;
    BYTE      configurationValue3;
    BYTE      configurationValue4; /* LSB */
} ZW_CONFIGURATION_REPORT_4BYTE_V2_FRAME;

/*****
/* Configuration Set 1byte V2 command class structs */
/*****
typedef struct _ZW_CONFIGURATION_SET_1BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      parameterNumber;    /**/
    BYTE      level;             /* masked byte */
    BYTE      configurationValue1;
} ZW_CONFIGURATION_SET_1BYTE_V2_FRAME;

/*****
/* Configuration Set 2byte V2 command class structs */
/*****
typedef struct _ZW_CONFIGURATION_SET_2BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      parameterNumber;    /**/
    BYTE      level;             /* masked byte */
    BYTE      configurationValue1; /* MSB */
    BYTE      configurationValue2; /* LSB */
} ZW_CONFIGURATION_SET_2BYTE_V2_FRAME;

/*****
/* Configuration Set 3byte V2 command class structs */
/*****

```

```

typedef struct _ZW_CONFIGURATION_SET_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber;        /**/
    BYTE    level;                  /* masked byte */
    BYTE    configurationValue1;     /* MSB */
    BYTE    configurationValue2;
    BYTE    configurationValue3;     /* LSB */
} ZW_CONFIGURATION_SET_3BYTE_V2_FRAME;

/*****/
/* Configuration Set 4byte V2 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_SET_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber;        /**/
    BYTE    level;                  /* masked byte */
    BYTE    configurationValue1;     /* MSB */
    BYTE    configurationValue2;
    BYTE    configurationValue3;
    BYTE    configurationValue4;     /* LSB */
} ZW_CONFIGURATION_SET_4BYTE_V2_FRAME;

/*****/
/* Configuration Bulk Get V3 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_BULK_GET_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterOffset1;        /* MSB */
    BYTE    parameterOffset2;        /* LSB */
    BYTE    numberOfParameters;      /**/
} ZW_CONFIGURATION_BULK_GET_V3_FRAME;

/*****/
/* Configuration Bulk Report V3 variant group structs */
/*****/
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_
{
    BYTE    parameter1;              /* MSB */
    BYTE    parameter2;              /* LSB */
} VG_CONFIGURATION_BULK_REPORT_2BYTE_V3_VG;

/*****/
/* Configuration Bulk Report V3 variant group structs */
/*****/
typedef struct _VG_CONFIGURATION_BULK_REPORT_3BYTE_V3_VG_
{
    BYTE    parameter1;              /* MSB */
    BYTE    parameter2;
    BYTE    parameter3;              /* LSB */
} VG_CONFIGURATION_BULK_REPORT_3BYTE_V3_VG;

/*****/
/* Configuration Bulk Report V3 variant group structs */
/*****/
typedef struct _VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG_
{
    BYTE    parameter1;              /* MSB */
    BYTE    parameter2;
    BYTE    parameter3;
    BYTE    parameter4;              /* LSB */
} VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG;

/*****/
/* Configuration Bulk Report 1byte V3 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_BULK_REPORT_1BYTE_V3_FRAME_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    parameterOffset1;        /* MSB */
    BYTE    parameterOffset2;        /* LSB */
    BYTE    numberOfParameters;       /**/
    BYTE    reportsToFollow;          /**/
    BYTE    properties1;              /* masked byte */
    VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG variantgroup1; /**/
} ZW_CONFIGURATION_BULK_REPORT_1BYTE_V3_FRAME;

/*****
/* Configuration Bulk Report 2byte V3 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_BULK_REPORT_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    parameterOffset1;        /* MSB */
    BYTE    parameterOffset2;        /* LSB */
    BYTE    numberOfParameters;       /**/
    BYTE    reportsToFollow;          /**/
    BYTE    properties1;              /* masked byte */
    VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG variantgroup1; /**/
    VG_CONFIGURATION_BULK_REPORT_4BYTE_V3_VG variantgroup2; /**/
} ZW_CONFIGURATION_BULK_REPORT_2BYTE_V3_FRAME;

/*****
/* Configuration Bulk Report 3byte V3 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_BULK_REPORT_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    parameterOffset1;        /* MSB */
    BYTE    parameterOffset2;        /* LSB */
    BYTE    numberOfParameters;       /**/
    BYTE    reportsToFollow;          /**/
    BYTE    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; /**/
} ZW_CONFIGURATION_BULK_REPORT_3BYTE_V3_FRAME;

/*****
/* Configuration Bulk Report 4byte V3 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_BULK_REPORT_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    parameterOffset1;        /* MSB */
    BYTE    parameterOffset2;        /* LSB */
    BYTE    numberOfParameters;       /**/
    BYTE    reportsToFollow;          /**/
    BYTE    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; /**/
    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_
{
    BYTE    parameter1;
} VG_CONFIGURATION_BULK_SET_1BYTE_V3_VG;

/*****
/* Configuration Bulk Set V3 variant group structs */
*****/
typedef struct _VG_CONFIGURATION_BULK_SET_2BYTE_V3_VG_
{
    BYTE    parameter1;              /* MSB */
    BYTE    parameter2;              /* LSB */
} VG_CONFIGURATION_BULK_SET_2BYTE_V3_VG;

/*****
/* Configuration Bulk Set V3 variant group structs */
*****/

```

```

typedef struct _VG_CONFIGURATION_BULK_SET_3BYTE_V3_VG_
{
    BYTE    parameter1;           /* MSB */
    BYTE    parameter2;
    BYTE    parameter3;           /* LSB */
} VG_CONFIGURATION_BULK_SET_3BYTE_V3_VG;

/*****
/* Configuration Bulk Set V3 variant group structs */
*****/
typedef struct _VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG_
{
    BYTE    parameter1;           /* MSB */
    BYTE    parameter2;
    BYTE    parameter3;
    BYTE    parameter4;           /* LSB */
} VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG;

/*****
/* Configuration Bulk Set 1byte V3 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_BULK_SET_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    parameterOffset1;     /* MSB */
    BYTE    parameterOffset2;     /* LSB */
    BYTE    numberOfParameters;    /**/
    BYTE    properties1;          /* masked byte */
    VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG variantgroup1;    /**/
} ZW_CONFIGURATION_BULK_SET_1BYTE_V3_FRAME;

/*****
/* Configuration Bulk Set 2byte V3 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_BULK_SET_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    parameterOffset1;     /* MSB */
    BYTE    parameterOffset2;     /* LSB */
    BYTE    numberOfParameters;    /**/
    BYTE    properties1;          /* masked byte */
    VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG variantgroup1;    /**/
    VG_CONFIGURATION_BULK_SET_4BYTE_V3_VG variantgroup2;    /**/
} ZW_CONFIGURATION_BULK_SET_2BYTE_V3_FRAME;

/*****
/* Configuration Bulk Set 3byte V3 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_BULK_SET_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    parameterOffset1;     /* MSB */
    BYTE    parameterOffset2;     /* LSB */
    BYTE    numberOfParameters;    /**/
    BYTE    properties1;          /* masked byte */
    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;

/*****
/* Configuration Bulk Set 4byte V3 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_BULK_SET_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    parameterOffset1;     /* MSB */
    BYTE    parameterOffset2;     /* LSB */
    BYTE    numberOfParameters;    /**/
    BYTE    properties1;          /* masked byte */
    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;

/*****/

```

```
/* Configuration Get V3 command class structs */
/*****
typedef struct _ZW_CONFIGURATION_GET_V3_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      parameterNumber;    /**/
    BYTE      level;             /* masked byte */
    BYTE      configurationValue1;
} ZW_CONFIGURATION_REPORT_1BYTE_V3_FRAME;

/* Configuration Report 2byte V3 command class structs */
/*****
typedef struct _ZW_CONFIGURATION_REPORT_2BYTE_V3_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      parameterNumber;    /**/
    BYTE      level;             /* masked byte */
    BYTE      configurationValue1; /* MSB */
    BYTE      configurationValue2; /* LSB */
} ZW_CONFIGURATION_REPORT_2BYTE_V3_FRAME;

/* Configuration Report 3byte V3 command class structs */
/*****
typedef struct _ZW_CONFIGURATION_REPORT_3BYTE_V3_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      parameterNumber;    /**/
    BYTE      level;             /* masked byte */
    BYTE      configurationValue1; /* MSB */
    BYTE      configurationValue2;
    BYTE      configurationValue3; /* LSB */
} ZW_CONFIGURATION_REPORT_3BYTE_V3_FRAME;

/* Configuration Report 4byte V3 command class structs */
/*****
typedef struct _ZW_CONFIGURATION_REPORT_4BYTE_V3_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      parameterNumber;    /**/
    BYTE      level;             /* masked byte */
    BYTE      configurationValue1; /* MSB */
    BYTE      configurationValue2;
    BYTE      configurationValue3;
    BYTE      configurationValue4; /* LSB */
} 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 */
    BYTE      cmd;               /* The command */
    BYTE      parameterNumber;    /**/
    BYTE      level;             /* masked byte */
    BYTE      configurationValue1;
} 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 */
```



```

    BYTE    cmd;                                /* The command */
    BYTE    parameterNumber;                    /**/
    BYTE    level;                             /* masked byte */
    BYTE    configurationValue1;               /* MSB */
    BYTE    configurationValue2;               /* LSB */
} ZW_CONFIGURATION_SET_2BYTE_V3_FRAME;

/*****/
/* Configuration Set 3byte V3 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_SET_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                              /* The command */
    BYTE    parameterNumber;                    /**/
    BYTE    level;                             /* masked byte */
    BYTE    configurationValue1;               /* MSB */
    BYTE    configurationValue2;
    BYTE    configurationValue3;               /* LSB */
} ZW_CONFIGURATION_SET_3BYTE_V3_FRAME;

/*****/
/* Configuration Set 4byte V3 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_SET_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                              /* The command */
    BYTE    parameterNumber;                    /**/
    BYTE    level;                             /* masked byte */
    BYTE    configurationValue1;               /* MSB */
    BYTE    configurationValue2;
    BYTE    configurationValue3;
    BYTE    configurationValue4;               /* LSB */
} ZW_CONFIGURATION_SET_4BYTE_V3_FRAME;

/*****/
/* Configuration Name Get V3 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_NAME_GET_V3_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                              /* The command */
    BYTE    parameterNumber1;                  /* MSB */
    BYTE    parameterNumber2;                  /* LSB */
} ZW_CONFIGURATION_NAME_GET_V3_FRAME;

/*****/
/* Configuration Name Report 1byte V3 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_NAME_REPORT_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                              /* The command */
    BYTE    parameterNumber1;                  /* MSB */
    BYTE    parameterNumber2;                  /* LSB */
    BYTE    reportsToFollow;                    /**/
    BYTE    name1;
} ZW_CONFIGURATION_NAME_REPORT_1BYTE_V3_FRAME;

/*****/
/* Configuration Name Report 2byte V3 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_NAME_REPORT_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                              /* The command */
    BYTE    parameterNumber1;                  /* MSB */
    BYTE    parameterNumber2;                  /* LSB */
    BYTE    reportsToFollow;                    /**/
    BYTE    name1;                             /* MSB */
    BYTE    name2;                             /* LSB */
} 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 */
    BYTE    cmd;                              /* The command */

```

```

    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
    BYTE    reportsToFollow;         /**/
    BYTE    name1;                   /* MSB */
    BYTE    name2;
    BYTE    name3;                   /* LSB */
} ZW_CONFIGURATION_NAME_REPORT_3BYTE_V3_FRAME;

/*****
/* Configuration Name Report 4byte V3 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_NAME_REPORT_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
    BYTE    reportsToFollow;         /**/
    BYTE    name1;                   /* MSB */
    BYTE    name2;
    BYTE    name3;
    BYTE    name4;                   /* LSB */
} ZW_CONFIGURATION_NAME_REPORT_4BYTE_V3_FRAME;

/*****
/* Configuration Info Get V3 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_INFO_GET_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
} ZW_CONFIGURATION_INFO_GET_V3_FRAME;

/*****
/* Configuration Info Report 1byte V3 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_INFO_REPORT_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
    BYTE    reportsToFollow;         /**/
    BYTE    info1;
} ZW_CONFIGURATION_INFO_REPORT_1BYTE_V3_FRAME;

/*****
/* Configuration Info Report 2byte V3 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_INFO_REPORT_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
    BYTE    reportsToFollow;         /**/
    BYTE    info1;                   /* MSB */
    BYTE    info2;                   /* 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
    BYTE    reportsToFollow;         /**/
    BYTE    info1;                   /* MSB */
    BYTE    info2;
    BYTE    info3;                   /* LSB */
} ZW_CONFIGURATION_INFO_REPORT_3BYTE_V3_FRAME;

/*****
/* Configuration Info Report 4byte V3 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_INFO_REPORT_4BYTE_V3_FRAME_

```

```

{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
    BYTE    reportsToFollow;         /**/
    BYTE    info1;                  /* MSB */
    BYTE    info2;
    BYTE    info3;
    BYTE    info4;                  /* LSB */
} ZW_CONFIGURATION_INFO_REPORT_4BYTE_V3_FRAME;

/*****/
/* Configuration Properties Get V3 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_PROPERTIES_GET_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
} ZW_CONFIGURATION_PROPERTIES_GET_V3_FRAME;

/*****/
/* Configuration Properties Report 1byte V3 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_PROPERTIES_REPORT_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
    BYTE    properties1;             /* masked byte */
    BYTE    minValuel;
    BYTE    maxValuel;
    BYTE    defaultValuel;
    BYTE    nextParameterNumber1;    /* MSB */
    BYTE    nextParameterNumber2;    /* LSB */
} ZW_CONFIGURATION_PROPERTIES_REPORT_1BYTE_V3_FRAME;

/*****/
/* Configuration Properties Report 2byte V3 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_PROPERTIES_REPORT_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
    BYTE    properties1;             /* masked byte */
    BYTE    minValuel;              /* MSB */
    BYTE    minValue2;              /* LSB */
    BYTE    maxValuel;              /* MSB */
    BYTE    maxValue2;              /* LSB */
    BYTE    defaultValuel;          /* MSB */
    BYTE    defaultValue2;          /* LSB */
    BYTE    nextParameterNumber1;    /* MSB */
    BYTE    nextParameterNumber2;    /* LSB */
} ZW_CONFIGURATION_PROPERTIES_REPORT_2BYTE_V3_FRAME;

/*****/
/* Configuration Properties Report 3byte V3 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_PROPERTIES_REPORT_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
    BYTE    properties1;             /* masked byte */
    BYTE    minValuel;              /* MSB */
    BYTE    minValue2;              /* LSB */
    BYTE    minValuel3;             /* MSB */
    BYTE    minValuel3;             /* LSB */
    BYTE    maxValuel;              /* MSB */
    BYTE    maxValuel;              /* LSB */
    BYTE    maxValuel3;             /* MSB */
    BYTE    maxValuel3;             /* LSB */
    BYTE    defaultValuel;          /* MSB */
    BYTE    defaultValue2;          /* LSB */
    BYTE    defaultValue3;          /* MSB */
    BYTE    nextParameterNumber1;    /* MSB */
    BYTE    nextParameterNumber2;    /* LSB */

```

```
} ZW_CONFIGURATION_PROPERTIES_REPORT_3BYTE_V3_FRAME;

/*****
/* Configuration Properties Report 4byte V3 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_PROPERTIES_REPORT_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber1;   /* MSB */
    BYTE    parameterNumber2;   /* LSB */
    BYTE    properties1;        /* masked byte */
    BYTE    minValue1;          /* MSB */
    BYTE    minValue2;
    BYTE    minValue3;
    BYTE    minValue4;          /* LSB */
    BYTE    maxValue1;          /* MSB */
    BYTE    maxValue2;
    BYTE    maxValue3;
    BYTE    maxValue4;          /* LSB */
    BYTE    defaultValuel;      /* MSB */
    BYTE    defaultValue2;
    BYTE    defaultValue3;
    BYTE    defaultValue4;      /* LSB */
    BYTE    nextParameterNumber1; /* MSB */
    BYTE    nextParameterNumber2; /* LSB */
} ZW_CONFIGURATION_PROPERTIES_REPORT_4BYTE_V3_FRAME;

/*****
/* Configuration Bulk Get V4 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_BULK_GET_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterOffset1;   /* MSB */
    BYTE    parameterOffset2;   /* 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_
{
    BYTE    parameter1;
} VG_CONFIGURATION_BULK_REPORT_1BYTE_V4_VG;

/*****
/* Configuration Bulk Report V4 variant group structs */
*****/
typedef struct _VG_CONFIGURATION_BULK_REPORT_2BYTE_V4_VG_
{
    BYTE    parameter1;          /* MSB */
    BYTE    parameter2;          /* LSB */
} VG_CONFIGURATION_BULK_REPORT_2BYTE_V4_VG;

/*****
/* Configuration Bulk Report V4 variant group structs */
*****/
typedef struct _VG_CONFIGURATION_BULK_REPORT_3BYTE_V4_VG_
{
    BYTE    parameter1;          /* MSB */
    BYTE    parameter2;
    BYTE    parameter3;          /* LSB */
} VG_CONFIGURATION_BULK_REPORT_3BYTE_V4_VG;

/*****
/* Configuration Bulk Report V4 variant group structs */
*****/
typedef struct _VG_CONFIGURATION_BULK_REPORT_4BYTE_V4_VG_
{
    BYTE    parameter1;          /* MSB */
    BYTE    parameter2;
    BYTE    parameter3;
    BYTE    parameter4;          /* LSB */
} VG_CONFIGURATION_BULK_REPORT_4BYTE_V4_VG;

/*****
/* Configuration Bulk Report 1byte V4 command class structs */
*****/
```

```

typedef struct _ZW_CONFIGURATION_BULK_REPORT_1BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterOffset1;       /* MSB */
    BYTE    parameterOffset2;       /* LSB */
    BYTE    numberOfParameters;     /**/
    BYTE    reportsToFollow;        /**/
    BYTE    properties1;            /* masked byte */
    VG_CONFIGURATION_BULK_REPORT_4BYTE_V4_VG variantgroup1; /**/
} ZW_CONFIGURATION_BULK_REPORT_1BYTE_V4_FRAME;

/*****
/* Configuration Bulk Report 2byte V4 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_BULK_REPORT_2BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterOffset1;       /* MSB */
    BYTE    parameterOffset2;       /* LSB */
    BYTE    numberOfParameters;     /**/
    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;

/*****
/* Configuration Bulk Report 3byte V4 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_BULK_REPORT_3BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterOffset1;       /* MSB */
    BYTE    parameterOffset2;       /* LSB */
    BYTE    numberOfParameters;     /**/
    BYTE    reportsToFollow;        /**/
    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; /**/
} ZW_CONFIGURATION_BULK_REPORT_3BYTE_V4_FRAME;

/*****
/* Configuration Bulk Report 4byte V4 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_BULK_REPORT_4BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterOffset1;       /* MSB */
    BYTE    parameterOffset2;       /* LSB */
    BYTE    numberOfParameters;     /**/
    BYTE    reportsToFollow;        /**/
    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;

/*****
/* Configuration Bulk Set V4 variant group structs */
*****/
typedef struct _VG_CONFIGURATION_BULK_SET_1BYTE_V4_VG_
{
    BYTE    parameter1;
} VG_CONFIGURATION_BULK_SET_1BYTE_V4_VG;

/*****
/* Configuration Bulk Set V4 variant group structs */
*****/
typedef struct _VG_CONFIGURATION_BULK_SET_2BYTE_V4_VG_
{
    BYTE    parameter1;            /* MSB */
    BYTE    parameter2;            /* LSB */
} VG_CONFIGURATION_BULK_SET_2BYTE_V4_VG;

/*****

```

```

/* Configuration Bulk Set V4 variant group structs */
/*****
typedef struct _VG_CONFIGURATION_BULK_SET_3BYTE_V4_VG_
{
    BYTE    parameter1;          /* MSB */
    BYTE    parameter2;
    BYTE    parameter3;          /* LSB */
} VG_CONFIGURATION_BULK_SET_3BYTE_V4_VG;

/*****
/* Configuration Bulk Set V4 variant group structs */
/*****
typedef struct _VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG_
{
    BYTE    parameter1;          /* MSB */
    BYTE    parameter2;
    BYTE    parameter3;
    BYTE    parameter4;          /* LSB */
} VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG;

/*****
/* Configuration Bulk Set 1byte V4 command class structs */
/*****
typedef struct _ZW_CONFIGURATION_BULK_SET_1BYTE_V4_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    parameterOffset1;    /* MSB */
    BYTE    parameterOffset2;    /* LSB */
    BYTE    numberOfParameters;  /**/
    BYTE    properties1;         /* masked byte */
    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_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    parameterOffset1;    /* MSB */
    BYTE    parameterOffset2;    /* LSB */
    BYTE    numberOfParameters;  /**/
    BYTE    properties1;         /* masked byte */
    VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG variantgroup1;    /**/
    VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG variantgroup2;    /**/
} ZW_CONFIGURATION_BULK_SET_2BYTE_V4_FRAME;

/*****
/* Configuration Bulk Set 3byte V4 command class structs */
/*****
typedef struct _ZW_CONFIGURATION_BULK_SET_3BYTE_V4_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    parameterOffset1;    /* MSB */
    BYTE    parameterOffset2;    /* LSB */
    BYTE    numberOfParameters;  /**/
    BYTE    properties1;         /* masked byte */
    VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG variantgroup1;    /**/
    VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG variantgroup2;    /**/
    VG_CONFIGURATION_BULK_SET_4BYTE_V4_VG variantgroup3;    /**/
} ZW_CONFIGURATION_BULK_SET_3BYTE_V4_FRAME;

/*****
/* Configuration Bulk Set 4byte V4 command class structs */
/*****
typedef struct _ZW_CONFIGURATION_BULK_SET_4BYTE_V4_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    parameterOffset1;    /* MSB */
    BYTE    parameterOffset2;    /* LSB */
    BYTE    numberOfParameters;  /**/
    BYTE    properties1;         /* masked byte */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
    BYTE    level;              /* masked byte */
    BYTE    configurationValue1;
} ZW_CONFIGURATION_REPORT_1BYTE_V4_FRAME;

/*****
/* Configuration Report 2byte V4 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_REPORT_2BYTE_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
    BYTE    level;              /* masked byte */
    BYTE    configurationValue1; /* MSB */
    BYTE    configurationValue2; /* LSB */
} ZW_CONFIGURATION_REPORT_2BYTE_V4_FRAME;

/*****
/* Configuration Report 3byte V4 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_REPORT_3BYTE_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
    BYTE    level;              /* masked byte */
    BYTE    configurationValue1; /* MSB */
    BYTE    configurationValue2;
    BYTE    configurationValue3; /* LSB */
} ZW_CONFIGURATION_REPORT_3BYTE_V4_FRAME;

/*****
/* Configuration Report 4byte V4 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_REPORT_4BYTE_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
    BYTE    level;              /* masked byte */
    BYTE    configurationValue1; /* MSB */
    BYTE    configurationValue2;
    BYTE    configurationValue3;
    BYTE    configurationValue4; /* LSB */
} ZW_CONFIGURATION_REPORT_4BYTE_V4_FRAME;

/*****
/* Configuration Set 1byte V4 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_SET_1BYTE_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
    BYTE    level;              /* masked byte */
    BYTE    configurationValue1;
} ZW_CONFIGURATION_SET_1BYTE_V4_FRAME;

/*****
/* Configuration Set 2byte V4 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_SET_2BYTE_V4_FRAME_

```

```

{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber;        /**/
    BYTE    level;                  /* masked byte */
    BYTE    configurationValue1;    /* MSB */
    BYTE    configurationValue2;    /* LSB */
} ZW_CONFIGURATION_SET_2BYTE_V4_FRAME;

/*****/
/* Configuration Set 3byte V4 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_SET_3BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber;        /**/
    BYTE    level;                  /* masked byte */
    BYTE    configurationValue1;    /* MSB */
    BYTE    configurationValue2;
    BYTE    configurationValue3;    /* LSB */
} ZW_CONFIGURATION_SET_3BYTE_V4_FRAME;

/*****/
/* Configuration Set 4byte V4 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_SET_4BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber;        /**/
    BYTE    level;                  /* masked byte */
    BYTE    configurationValue1;    /* MSB */
    BYTE    configurationValue2;
    BYTE    configurationValue3;
    BYTE    configurationValue4;    /* LSB */
} ZW_CONFIGURATION_SET_4BYTE_V4_FRAME;

/*****/
/* Configuration Name Get V4 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_NAME_GET_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber1;       /* MSB */
    BYTE    parameterNumber2;       /* LSB */
} ZW_CONFIGURATION_NAME_GET_V4_FRAME;

/*****/
/* Configuration Name Report 1byte V4 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_NAME_REPORT_1BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber1;       /* MSB */
    BYTE    parameterNumber2;       /* LSB */
    BYTE    reportsToFollow;        /**/
    BYTE    name1;
} ZW_CONFIGURATION_NAME_REPORT_1BYTE_V4_FRAME;

/*****/
/* Configuration Name Report 2byte V4 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_NAME_REPORT_2BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber1;       /* MSB */
    BYTE    parameterNumber2;       /* LSB */
    BYTE    reportsToFollow;        /**/
    BYTE    name1;                  /* MSB */
    BYTE    name2;                  /* LSB */
} ZW_CONFIGURATION_NAME_REPORT_2BYTE_V4_FRAME;

/*****/
/* Configuration Name Report 3byte V4 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_NAME_REPORT_3BYTE_V4_FRAME_
{

```



```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
    BYTE    reportsToFollow;         /**/
    BYTE    name1;                   /* MSB */
    BYTE    name2;
    BYTE    name3;                   /* LSB */
} ZW_CONFIGURATION_NAME_REPORT_3BYTE_V4_FRAME;

/*****
/* Configuration Name Report 4byte V4 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_NAME_REPORT_4BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
    BYTE    reportsToFollow;         /**/
    BYTE    name1;                   /* MSB */
    BYTE    name2;
    BYTE    name3;
    BYTE    name4;                   /* LSB */
} ZW_CONFIGURATION_NAME_REPORT_4BYTE_V4_FRAME;

/*****
/* Configuration Info Get V4 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_INFO_GET_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
} ZW_CONFIGURATION_INFO_GET_V4_FRAME;

/*****
/* Configuration Info Report 1byte V4 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_INFO_REPORT_1BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
    BYTE    reportsToFollow;         /**/
    BYTE    info1;
} ZW_CONFIGURATION_INFO_REPORT_1BYTE_V4_FRAME;

/*****
/* Configuration Info Report 2byte V4 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_INFO_REPORT_2BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
    BYTE    reportsToFollow;         /**/
    BYTE    info1;                   /* MSB */
    BYTE    info2;                   /* LSB */
} ZW_CONFIGURATION_INFO_REPORT_2BYTE_V4_FRAME;

/*****
/* Configuration Info Report 3byte V4 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_INFO_REPORT_3BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber1;        /* MSB */
    BYTE    parameterNumber2;        /* LSB */
    BYTE    reportsToFollow;         /**/
    BYTE    info1;                   /* MSB */
    BYTE    info2;
    BYTE    info3;                   /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber1;   /* MSB */
    BYTE    parameterNumber2;   /* LSB */
    BYTE    reportsToFollow;    /**/
    BYTE    info1;              /* MSB */
    BYTE    info2;
    BYTE    info3;
    BYTE    info4;              /* LSB */
} ZW_CONFIGURATION_INFO_REPORT_4BYTE_V4_FRAME;

/*****/
/* Configuration Properties Get V4 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_PROPERTIES_GET_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber1;   /* MSB */
    BYTE    parameterNumber2;   /* LSB */
} ZW_CONFIGURATION_PROPERTIES_GET_V4_FRAME;

/*****/
/* Configuration Properties Report 1byte V4 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_PROPERTIES_REPORT_1BYTE_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber1;   /* MSB */
    BYTE    parameterNumber2;   /* LSB */
    BYTE    properties1;        /* masked byte */
    BYTE    minValuel;
    BYTE    maxValuel;
    BYTE    defaultValuel;
    BYTE    nextParameterNumber1; /* MSB */
    BYTE    nextParameterNumber2; /* LSB */
    BYTE    properties2;        /* 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 */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber1;   /* MSB */
    BYTE    parameterNumber2;   /* LSB */
    BYTE    properties1;        /* masked byte */
    BYTE    minValuel;          /* MSB */
    BYTE    minValue2;          /* LSB */
    BYTE    maxValuel;          /* MSB */
    BYTE    maxValue2;          /* LSB */
    BYTE    defaultValuel;      /* MSB */
    BYTE    defaultValue2;      /* LSB */
    BYTE    nextParameterNumber1; /* MSB */
    BYTE    nextParameterNumber2; /* LSB */
    BYTE    properties2;        /* masked byte */
} ZW_CONFIGURATION_PROPERTIES_REPORT_2BYTE_V4_FRAME;

/*****/
/* Configuration Properties Report 3byte V4 command class structs */
/*****/
typedef struct _ZW_CONFIGURATION_PROPERTIES_REPORT_3BYTE_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber1;   /* MSB */
    BYTE    parameterNumber2;   /* LSB */
    BYTE    properties1;        /* masked byte */
    BYTE    minValuel;          /* MSB */
    BYTE    minValue2;          /* LSB */
    BYTE    minValuel;          /* MSB */
    BYTE    minValue3;          /* LSB */
    BYTE    maxValuel;          /* MSB */
    BYTE    maxValue2;          /* LSB */
    BYTE    maxValuel;          /* MSB */
    BYTE    maxValue3;          /* LSB */
    BYTE    defaultValuel;      /* MSB */

```

```

    BYTE    defaultValue2;
    BYTE    defaultValue3;
    BYTE    nextParameterNumber1;
    BYTE    nextParameterNumber2;
    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    cmdClass;
    BYTE    cmd;
    BYTE    parameterNumber1;
    BYTE    parameterNumber2;
    BYTE    properties1;
    BYTE    minValue1;
    BYTE    minValue2;
    BYTE    minValue3;
    BYTE    minValue4;
    BYTE    maxValue1;
    BYTE    maxValue2;
    BYTE    maxValue3;
    BYTE    maxValue4;
    BYTE    defaultValue1;
    BYTE    defaultValue2;
    BYTE    defaultValue3;
    BYTE    defaultValue4;
    BYTE    nextParameterNumber1;
    BYTE    nextParameterNumber2;
    BYTE    properties2;
} ZW_CONFIGURATION_PROPERTIES_REPORT_4BYTE_V4_FRAME;

/*****
/* Configuration Default Reset V4 command class structs */
*****/
typedef struct _ZW_CONFIGURATION_DEFAULT_RESET_V4_FRAME_
{
    BYTE    cmdClass;
    BYTE    cmd;
} ZW_CONFIGURATION_DEFAULT_RESET_V4_FRAME;

/*****
/* Ctrl Replication Transfer Group command class structs */
*****/
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_GROUP_FRAME_
{
    BYTE    cmdClass;
    BYTE    cmd;
    BYTE    sequenceNumber;
    BYTE    groupId;
    BYTE    nodeId;
} ZW_CTRL_REPLICATION_TRANSFER_GROUP_FRAME;

/*****
/* Ctrl Replication Transfer Group Name 1byte command class structs */
*****/
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_GROUP_NAME_1BYTE_FRAME_
{
    BYTE    cmdClass;
    BYTE    cmd;
    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_
{
    BYTE    cmdClass;
    BYTE    cmd;
    BYTE    sequenceNumber;
    BYTE    groupId;
    BYTE    groupName1;
    BYTE    groupName2;
} ZW_CTRL_REPLICATION_TRANSFER_GROUP_NAME_2BYTE_FRAME;

/*****/

```

```

/* Ctrl Replication Transfer Group Name 3byte command class structs */
/*****
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_GROUP_NAME_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sequenceNumber;     /**/
    BYTE    groupId;            /**/
    BYTE    groupName1;         /* MSB */
    BYTE    groupName2;
    BYTE    groupName3;         /* LSB */
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    sequenceNumber;     /**/
    BYTE    groupId;            /**/
    BYTE    groupName1;         /* MSB */
    BYTE    groupName2;
    BYTE    groupName3;
    BYTE    groupName4;         /* 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    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sequenceNumber;     /**/
    BYTE    sceneId;            /**/
    BYTE    nodeId;             /**/
    BYTE    level;              /**/
} ZW_CTRL_REPLICATION_TRANSFER_SCENE_FRAME;

/*****
/* Ctrl Replication Transfer Scene Name 1byte command class structs */
/*****
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sequenceNumber;     /**/
    BYTE    sceneId;            /**/
    BYTE    sceneName1;
} ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_1BYTE_FRAME;

/*****
/* Ctrl Replication Transfer Scene Name 2byte command class structs */
/*****
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sequenceNumber;     /**/
    BYTE    sceneId;            /**/
    BYTE    sceneName1;         /* MSB */
    BYTE    sceneName2;         /* LSB */
} ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_2BYTE_FRAME;

/*****
/* Ctrl Replication Transfer Scene Name 3byte command class structs */
/*****
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sequenceNumber;     /**/
    BYTE    sceneId;            /**/
    BYTE    sceneName1;         /* MSB */
    BYTE    sceneName2;
    BYTE    sceneName3;         /* LSB */
} ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_3BYTE_FRAME;

/*****

```

```

/* Ctrl Replication Transfer Scene Name 4byte command class structs */
/*****
typedef struct _ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_4BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      sequenceNumber;    /**/
    BYTE      sceneId;           /**/
    BYTE      sceneName1;        /* MSB */
    BYTE      sceneName2;
    BYTE      sceneName3;
    BYTE      sceneName4;        /* LSB */
} ZW_CTRL_REPLICATION_TRANSFER_SCENE_NAME_4BYTE_FRAME;

/*****
/* Crc 16 Encap 1byte command class structs */
/*****
typedef struct _ZW_CRC_16_ENCAP_1BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      commandClass;      /**/
    BYTE      command;           /**/
    BYTE      data1;
    BYTE      checksum1;         /* MSB */
    BYTE      checksum2;         /* LSB */
} ZW_CRC_16_ENCAP_1BYTE_FRAME;

/*****
/* Crc 16 Encap 2byte command class structs */
/*****
typedef struct _ZW_CRC_16_ENCAP_2BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      commandClass;      /**/
    BYTE      command;           /**/
    BYTE      data1;             /* MSB */
    BYTE      data2;             /* LSB */
    BYTE      checksum1;         /* MSB */
    BYTE      checksum2;         /* LSB */
} ZW_CRC_16_ENCAP_2BYTE_FRAME;

/*****
/* Crc 16 Encap 3byte command class structs */
/*****
typedef struct _ZW_CRC_16_ENCAP_3BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      commandClass;      /**/
    BYTE      command;           /**/
    BYTE      data1;             /* MSB */
    BYTE      data2;
    BYTE      data3;             /* LSB */
    BYTE      checksum1;         /* MSB */
    BYTE      checksum2;         /* LSB */
} 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 */
    BYTE      cmd;               /* The command */
    BYTE      commandClass;      /**/
    BYTE      command;           /**/
    BYTE      data1;             /* MSB */
    BYTE      data2;
    BYTE      data3;
    BYTE      data4;             /* LSB */
    BYTE      checksum1;         /* MSB */
    BYTE      checksum2;         /* LSB */
} ZW_CRC_16_ENCAP_4BYTE_FRAME;

/*****
/* Dcp List Remove command class structs */
/*****
typedef struct _ZW_DCP_LIST_REMOVE_FRAME_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    year1;                  /* MSB */
    BYTE    year2;                  /* LSB */
    BYTE    month;                  /**/
    BYTE    day;                    /**/
    BYTE    hourLocalTime;          /**/
    BYTE    minuteLocalTime;        /**/
    BYTE    secondLocalTime;        /**/
} ZW_DCP_LIST_REMOVE_FRAME;

/*****/
/* Dcp List Set variant group structs */
/*****/
typedef struct _VG_DCP_LIST_SET_VG_
{
    BYTE    genericDeviceClass;      /**/
    BYTE    specificDeviceClass;     /**/
} VG_DCP_LIST_SET_VG;

/*****/
/* Dcp List Set 1byte command class structs */
/*****/
typedef struct _ZW_DCP_LIST_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    year1;                  /* MSB */
    BYTE    year2;                  /* LSB */
    BYTE    month;                  /**/
    BYTE    day;                    /**/
    BYTE    hourLocalTime;          /**/
    BYTE    minuteLocalTime;        /**/
    BYTE    secondLocalTime;        /**/
    BYTE    dcpRateId;              /**/
    BYTE    properties1;            /* masked byte */
    VG_DCP_LIST_SET_VG variantgroup1; /**/
    BYTE    startYear1;              /* MSB */
    BYTE    startYear2;              /* LSB */
    BYTE    startMonth;              /**/
    BYTE    startDay;                /**/
    BYTE    startHourLocalTime;      /**/
    BYTE    startMinuteLocalTime;    /**/
    BYTE    startSecondLocalTime;    /**/
    BYTE    durationHourTime;        /**/
    BYTE    durationMinuteTime;      /**/
    BYTE    durationSecondTime;      /**/
    BYTE    eventPriority;            /**/
    BYTE    loadShedding;            /**/
    BYTE    startAssociationGroup;    /**/
    BYTE    stopAssociationGroup;     /**/
    BYTE    randomizationInterval;    /**/
} ZW_DCP_LIST_SET_1BYTE_FRAME;

/*****/
/* Dcp List Set 2byte command class structs */
/*****/
typedef struct _ZW_DCP_LIST_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    year1;                  /* MSB */
    BYTE    year2;                  /* LSB */
    BYTE    month;                  /**/
    BYTE    day;                    /**/
    BYTE    hourLocalTime;          /**/
    BYTE    minuteLocalTime;        /**/
    BYTE    secondLocalTime;        /**/
    BYTE    dcpRateId;              /**/
    BYTE    properties1;            /* masked byte */
    VG_DCP_LIST_SET_VG variantgroup1; /**/
    VG_DCP_LIST_SET_VG variantgroup2; /**/
    BYTE    startYear1;              /* MSB */
    BYTE    startYear2;              /* LSB */
    BYTE    startMonth;              /**/
    BYTE    startDay;                /**/
    BYTE    startHourLocalTime;      /**/
    BYTE    startMinuteLocalTime;    /**/
    BYTE    startSecondLocalTime;    /**/
    BYTE    durationHourTime;        /**/
    BYTE    durationMinuteTime;      /**/

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    BYTE    durationSecondTime;          /**/
    BYTE    eventPriority;                /**/
    BYTE    loadShedding;                /**/
    BYTE    startAssociationGroup;        /**/
    BYTE    stopAssociationGroup;         /**/
    BYTE    randomizationInterval;        /**/
} ZW_DCP_LIST_SET_2BYTE_FRAME;

/*****
/* Dcp List Set 3byte command class structs */
*****/
typedef struct _ZW_DCP_LIST_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    year1;                      /* MSB */
    BYTE    year2;                      /* LSB */
    BYTE    month;                      /**/
    BYTE    day;                        /**/
    BYTE    hourLocalTime;              /**/
    BYTE    minuteLocalTime;            /**/
    BYTE    secondLocalTime;            /**/
    BYTE    dcpRateId;                  /**/
    BYTE    properties1;                /* masked byte */
    VG_DCP_LIST_SET_VG variantgroup1;    /**/
    VG_DCP_LIST_SET_VG variantgroup2;    /**/
    VG_DCP_LIST_SET_VG variantgroup3;    /**/
    BYTE    startYear1;                 /* MSB */
    BYTE    startYear2;                 /* LSB */
    BYTE    startMonth;                 /**/
    BYTE    startDay;                   /**/
    BYTE    startHourLocalTime;         /**/
    BYTE    startMinuteLocalTime;        /**/
    BYTE    startSecondLocalTime;        /**/
    BYTE    durationHourTime;           /**/
    BYTE    durationMinuteTime;         /**/
    BYTE    durationSecondTime;         /**/
    BYTE    eventPriority;               /**/
    BYTE    loadShedding;               /**/
    BYTE    startAssociationGroup;       /**/
    BYTE    stopAssociationGroup;        /**/
    BYTE    randomizationInterval;       /**/
} ZW_DCP_LIST_SET_3BYTE_FRAME;

/*****
/* Dcp List Set 4byte command class structs */
*****/
typedef struct _ZW_DCP_LIST_SET_4BYTE_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    year1;                      /* MSB */
    BYTE    year2;                      /* LSB */
    BYTE    month;                      /**/
    BYTE    day;                        /**/
    BYTE    hourLocalTime;              /**/
    BYTE    minuteLocalTime;            /**/
    BYTE    secondLocalTime;            /**/
    BYTE    dcpRateId;                  /**/
    BYTE    properties1;                /* masked byte */
    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;                 /* MSB */
    BYTE    startYear2;                 /* LSB */
    BYTE    startMonth;                 /**/
    BYTE    startDay;                   /**/
    BYTE    startHourLocalTime;         /**/
    BYTE    startMinuteLocalTime;        /**/
    BYTE    startSecondLocalTime;        /**/
    BYTE    durationHourTime;           /**/
    BYTE    durationMinuteTime;         /**/
    BYTE    durationSecondTime;         /**/
    BYTE    eventPriority;               /**/
    BYTE    loadShedding;               /**/
    BYTE    startAssociationGroup;       /**/
    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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_DCP_LIST_SUPPORTED_GET_FRAME;

/*****
/* Dcp List Supported Report command class structs */
/*****
typedef struct _ZW_DCP_LIST_SUPPORTED_REPORT_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      dcpListSize;      /**/
    BYTE      freeDcpListEntries; /**/
} ZW_DCP_LIST_SUPPORTED_REPORT_FRAME;

/*****
/* Dcp Event Status Get command class structs */
/*****
typedef struct _ZW_DCP_EVENT_STATUS_GET_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      year1;             /* MSB */
    BYTE      year2;             /* LSB */
    BYTE      month;             /**/
    BYTE      day;               /**/
    BYTE      hourLocalTime;     /**/
    BYTE      minuteLocalTime;   /**/
    BYTE      secondLocalTime;   /**/
} ZW_DCP_EVENT_STATUS_GET_FRAME;

/*****
/* Dcp Event Status Report command class structs */
/*****
typedef struct _ZW_DCP_EVENT_STATUS_REPORT_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      year1;             /* MSB */
    BYTE      year2;             /* LSB */
    BYTE      month;             /**/
    BYTE      day;               /**/
    BYTE      hourLocalTime;     /**/
    BYTE      minuteLocalTime;   /**/
    BYTE      secondLocalTime;   /**/
    BYTE      eventStatus;       /**/
} ZW_DCP_EVENT_STATUS_REPORT_FRAME;

/*****
/* Dcp List Get command class structs */
/*****
typedef struct _ZW_DCP_LIST_GET_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_DCP_LIST_GET_FRAME;

/*****
/* Dcp List Report variant group structs */
/*****
typedef struct _VG_DCP_LIST_REPORT_VG_
{
    BYTE      genericDeviceClass; /**/
    BYTE      specificDeviceClass; /**/
} VG_DCP_LIST_REPORT_VG;

/*****
/* Dcp List Report lbyte command class structs */
/*****
typedef struct _ZW_DCP_LIST_REPORT_1BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      reportsToFollow;   /**/
    BYTE      year1;             /* MSB */
    BYTE      year2;             /* LSB */

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    BYTE    month;                /**/
    BYTE    day;                  /**/
    BYTE    hourLocalTime;        /**/
    BYTE    minuteLocalTime;      /**/
    BYTE    secondLocalTime;      /**/
    BYTE    dcpId;                /**/
    BYTE    properties1;          /* masked byte */
    VG_DCP_LIST_REPORT_VG variantgroup1; /**/
    BYTE    startYear1;           /* MSB */
    BYTE    startYear2;           /* LSB */
    BYTE    startMonth;           /**/
    BYTE    startDay;             /**/
    BYTE    startHourLocalTime;   /**/
    BYTE    startMinuteLocalTime; /**/
    BYTE    startSecondLocalTime; /**/
    BYTE    durationHourTime;     /**/
    BYTE    durationMinuteTime;   /**/
    BYTE    durationSecondTime;   /**/
    BYTE    eventPriority;         /**/
    BYTE    loadShedding;         /**/
    BYTE    startAssociationGroup; /**/
    BYTE    stopAssociationGroup;  /**/
    BYTE    randomizationInterval; /**/
} ZW_DCP_LIST_REPORT_1BYTE_FRAME;

/*****
/* Dcp List Report 2byte command class structs */
*****/
typedef struct _ZW_DCP_LIST_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    reportsToFollow;      /**/
    BYTE    year1;                /* MSB */
    BYTE    year2;                /* LSB */
    BYTE    month;               /**/
    BYTE    day;                 /**/
    BYTE    hourLocalTime;        /**/
    BYTE    minuteLocalTime;      /**/
    BYTE    secondLocalTime;      /**/
    BYTE    dcpId;               /**/
    BYTE    properties1;          /* masked byte */
    VG_DCP_LIST_REPORT_VG variantgroup1; /**/
    VG_DCP_LIST_REPORT_VG variantgroup2; /**/
    BYTE    startYear1;           /* MSB */
    BYTE    startYear2;           /* LSB */
    BYTE    startMonth;           /**/
    BYTE    startDay;             /**/
    BYTE    startHourLocalTime;   /**/
    BYTE    startMinuteLocalTime; /**/
    BYTE    startSecondLocalTime; /**/
    BYTE    durationHourTime;     /**/
    BYTE    durationMinuteTime;   /**/
    BYTE    durationSecondTime;   /**/
    BYTE    eventPriority;         /**/
    BYTE    loadShedding;         /**/
    BYTE    startAssociationGroup; /**/
    BYTE    stopAssociationGroup;  /**/
    BYTE    randomizationInterval; /**/
} ZW_DCP_LIST_REPORT_2BYTE_FRAME;

/*****
/* Dcp List Report 3byte command class structs */
*****/
typedef struct _ZW_DCP_LIST_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    reportsToFollow;      /**/
    BYTE    year1;                /* MSB */
    BYTE    year2;                /* LSB */
    BYTE    month;               /**/
    BYTE    day;                 /**/
    BYTE    hourLocalTime;        /**/
    BYTE    minuteLocalTime;      /**/
    BYTE    secondLocalTime;      /**/
    BYTE    dcpId;               /**/
    BYTE    properties1;          /* masked byte */
    VG_DCP_LIST_REPORT_VG variantgroup1; /**/
    VG_DCP_LIST_REPORT_VG variantgroup2; /**/
    VG_DCP_LIST_REPORT_VG variantgroup3; /**/

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```

    BYTE    startYear1;                /* MSB */
    BYTE    startYear2;                /* LSB */
    BYTE    startMonth;                /**/
    BYTE    startDay;                  /**/
    BYTE    startHourLocalTime;        /**/
    BYTE    startMinuteLocalTime;      /**/
    BYTE    startSecondLocalTime;      /**/
    BYTE    durationHourTime;          /**/
    BYTE    durationMinuteTime;        /**/
    BYTE    durationSecondTime;        /**/
    BYTE    eventPriority;              /**/
    BYTE    loadShedding;              /**/
    BYTE    startAssociationGroup;      /**/
    BYTE    stopAssociationGroup;       /**/
    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 */
    BYTE    cmd;                       /* The command */
    BYTE    reportsToFollow;           /**/
    BYTE    year1;                     /* MSB */
    BYTE    year2;                     /* LSB */
    BYTE    month;                     /**/
    BYTE    day;                       /**/
    BYTE    hourLocalTime;             /**/
    BYTE    minuteLocalTime;           /**/
    BYTE    secondLocalTime;           /**/
    BYTE    dcpId;                     /**/
    BYTE    properties1;               /* masked byte */
    VG_DCP_LIST_REPORT_VG variantgroup1; /**/
    VG_DCP_LIST_REPORT_VG variantgroup2; /**/
    VG_DCP_LIST_REPORT_VG variantgroup3; /**/
    VG_DCP_LIST_REPORT_VG variantgroup4; /**/
    BYTE    startYear1;                /* MSB */
    BYTE    startYear2;                /* LSB */
    BYTE    startMonth;                /**/
    BYTE    startDay;                  /**/
    BYTE    startHourLocalTime;        /**/
    BYTE    startMinuteLocalTime;      /**/
    BYTE    startSecondLocalTime;      /**/
    BYTE    durationHourTime;          /**/
    BYTE    durationMinuteTime;        /**/
    BYTE    durationSecondTime;        /**/
    BYTE    eventPriority;              /**/
    BYTE    loadShedding;              /**/
    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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
} 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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    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 */
    BYTE    cmd;                       /* The command */

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    BYTE    recordNumber;          /**/
} ZW_RECORD_GET_FRAME;

/*****
/* Record Report 1byte command class structs */
*****/
typedef struct _ZW_RECORD_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    recordNumber;          /**/
    BYTE    year1;                /* MSB */
    BYTE    year2;                /* LSB */
    BYTE    month;               /**/
    BYTE    day;                 /**/
    BYTE    properties1;         /* masked byte */
    BYTE    minuteLocalTime;     /**/
    BYTE    secondLocalTime;     /**/
    BYTE    eventType;           /**/
    BYTE    userIdentifier;       /**/
    BYTE    userCodeLength;      /**/
    BYTE    userCode1;
} ZW_RECORD_REPORT_1BYTE_FRAME;

/*****
/* Record Report 2byte command class structs */
*****/
typedef struct _ZW_RECORD_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    recordNumber;          /**/
    BYTE    year1;                /* MSB */
    BYTE    year2;                /* LSB */
    BYTE    month;               /**/
    BYTE    day;                 /**/
    BYTE    properties1;         /* masked byte */
    BYTE    minuteLocalTime;     /**/
    BYTE    secondLocalTime;     /**/
    BYTE    eventType;           /**/
    BYTE    userIdentifier;       /**/
    BYTE    userCodeLength;      /**/
    BYTE    userCode1;           /* MSB */
    BYTE    userCode2;           /* LSB */
} ZW_RECORD_REPORT_2BYTE_FRAME;

/*****
/* Record Report 3byte command class structs */
*****/
typedef struct _ZW_RECORD_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    recordNumber;          /**/
    BYTE    year1;                /* MSB */
    BYTE    year2;                /* LSB */
    BYTE    month;               /**/
    BYTE    day;                 /**/
    BYTE    properties1;         /* masked byte */
    BYTE    minuteLocalTime;     /**/
    BYTE    secondLocalTime;     /**/
    BYTE    eventType;           /**/
    BYTE    userIdentifier;       /**/
    BYTE    userCodeLength;      /**/
    BYTE    userCode1;           /* MSB */
    BYTE    userCode2;           /* LSB */
    BYTE    userCode3;
} ZW_RECORD_REPORT_3BYTE_FRAME;

/*****
/* Record Report 4byte command class structs */
*****/
typedef struct _ZW_RECORD_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    recordNumber;          /**/
    BYTE    year1;                /* MSB */
    BYTE    year2;                /* LSB */
    BYTE    month;               /**/
    BYTE    day;                 /**/

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    BYTE    properties1;                /* masked byte */
    BYTE    minuteLocalTime;            /**/
    BYTE    secondLocalTime;           /**/
    BYTE    eventType;                  /**/
    BYTE    userIdentifier;             /**/
    BYTE    userCodeLength;            /**/
    BYTE    userCode1;                  /* MSB */
    BYTE    userCode2;
    BYTE    userCode3;
    BYTE    userCode4;                  /* LSB */
} ZW_RECORD_REPORT_4BYTE_FRAME;

/*****
/* Door Lock Configuration Get command class structs */
*****/
typedef struct _ZW_DOOR_LOCK_CONFIGURATION_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
} ZW_DOOR_LOCK_CONFIGURATION_GET_FRAME;

/*****
/* Door Lock Configuration Report command class structs */
*****/
typedef struct _ZW_DOOR_LOCK_CONFIGURATION_REPORT_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    operationType;             /**/
    BYTE    properties1;                /* masked byte */
    BYTE    lockTimeoutMinutes;         /**/
    BYTE    lockTimeoutSeconds;        /**/
} ZW_DOOR_LOCK_CONFIGURATION_REPORT_FRAME;

/*****
/* Door Lock Configuration Set command class structs */
*****/
typedef struct _ZW_DOOR_LOCK_CONFIGURATION_SET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    operationType;             /**/
    BYTE    properties1;                /* masked byte */
    BYTE    lockTimeoutMinutes;         /**/
    BYTE    lockTimeoutSeconds;        /**/
} ZW_DOOR_LOCK_CONFIGURATION_SET_FRAME;

/*****
/* Door Lock Operation Get command class structs */
*****/
typedef struct _ZW_DOOR_LOCK_OPERATION_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
} ZW_DOOR_LOCK_OPERATION_GET_FRAME;

/*****
/* Door Lock Operation Report command class structs */
*****/
typedef struct _ZW_DOOR_LOCK_OPERATION_REPORT_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    doorLockMode;              /**/
    BYTE    properties1;                /* masked byte */
    BYTE    doorCondition;             /**/
    BYTE    lockTimeoutMinutes;         /**/
    BYTE    lockTimeoutSeconds;        /**/
} ZW_DOOR_LOCK_OPERATION_REPORT_FRAME;

/*****
/* Door Lock Operation Set command class structs */
*****/
typedef struct _ZW_DOOR_LOCK_OPERATION_SET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    doorLockMode;              /**/
} ZW_DOOR_LOCK_OPERATION_SET_FRAME;

/*****/

```

```
/* Door Lock Configuration Get V2 command class structs */
/*****
typedef struct _ZW_DOOR_LOCK_CONFIGURATION_GET_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_DOOR_LOCK_CONFIGURATION_GET_V2_FRAME;

/* Door Lock Configuration Report V2 command class structs */
/*****
typedef struct _ZW_DOOR_LOCK_CONFIGURATION_REPORT_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      operationType;     /**/
    BYTE      properties1;       /* masked byte */
    BYTE      lockTimeoutMinutes; /**/
    BYTE      lockTimeoutSeconds; /**/
} ZW_DOOR_LOCK_CONFIGURATION_REPORT_V2_FRAME;

/* Door Lock Configuration Set V2 command class structs */
/*****
typedef struct _ZW_DOOR_LOCK_CONFIGURATION_SET_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      operationType;     /**/
    BYTE      properties1;       /* masked byte */
    BYTE      lockTimeoutMinutes; /**/
    BYTE      lockTimeoutSeconds; /**/
} ZW_DOOR_LOCK_CONFIGURATION_SET_V2_FRAME;

/* Door Lock Operation Get V2 command class structs */
/*****
typedef struct _ZW_DOOR_LOCK_OPERATION_GET_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_DOOR_LOCK_OPERATION_GET_V2_FRAME;

/* Door Lock Operation Report V2 command class structs */
/*****
typedef struct _ZW_DOOR_LOCK_OPERATION_REPORT_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      doorLockMode;      /**/
    BYTE      properties1;       /* masked byte */
    BYTE      doorCondition;     /**/
    BYTE      lockTimeoutMinutes; /**/
    BYTE      lockTimeoutSeconds; /**/
} ZW_DOOR_LOCK_OPERATION_REPORT_V2_FRAME;

/* Door Lock Operation Set V2 command class structs */
/*****
typedef struct _ZW_DOOR_LOCK_OPERATION_SET_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_DOOR_LOCK_CONFIGURATION_GET_V3_FRAME;

/* Door Lock Configuration Report V3 command class structs */
/*****
typedef struct _ZW_DOOR_LOCK_CONFIGURATION_REPORT_V3_FRAME_
{

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```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    operationType;          /**/
    BYTE    properties1;            /* masked byte */
    BYTE    lockTimeoutMinutes;      /**/
    BYTE    lockTimeoutSeconds;     /**/
} ZW_DOOR_LOCK_CONFIGURATION_REPORT_V3_FRAME;

/*****/
/* Door Lock Configuration Set V3 command class structs */
/*****/
typedef struct _ZW_DOOR_LOCK_CONFIGURATION_SET_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    operationType;          /**/
    BYTE    properties1;            /* masked byte */
    BYTE    lockTimeoutMinutes;      /**/
    BYTE    lockTimeoutSeconds;     /**/
} ZW_DOOR_LOCK_CONFIGURATION_SET_V3_FRAME;

/*****/
/* Door Lock Operation Get V3 command class structs */
/*****/
typedef struct _ZW_DOOR_LOCK_OPERATION_GET_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_DOOR_LOCK_OPERATION_GET_V3_FRAME;

/*****/
/* Door Lock Operation Report V3 command class structs */
/*****/
typedef struct _ZW_DOOR_LOCK_OPERATION_REPORT_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    currentDoorLockMode;     /**/
    BYTE    properties1;            /* masked byte */
    BYTE    doorCondition;           /**/
    BYTE    lockTimeoutMinutes;      /**/
    BYTE    lockTimeoutSeconds;     /**/
    BYTE    targetDoorLockMode;      /**/
    BYTE    duration;               /**/
} ZW_DOOR_LOCK_OPERATION_REPORT_V3_FRAME;

/*****/
/* Door Lock Operation Set V3 command class structs */
/*****/
typedef struct _ZW_DOOR_LOCK_OPERATION_SET_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    doorLockMode;           /**/
} ZW_DOOR_LOCK_OPERATION_SET_V3_FRAME;

/*****/
/* Energy Production Get command class structs */
/*****/
typedef struct _ZW_ENERGY_PRODUCTION_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber;         /**/
} ZW_ENERGY_PRODUCTION_GET_FRAME;

/*****/
/* Energy Production Report 1byte command class structs */
/*****/
typedef struct _ZW_ENERGY_PRODUCTION_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterNumber;         /**/
    BYTE    level;                  /* masked byte */
    BYTE    value1;
} ZW_ENERGY_PRODUCTION_REPORT_1BYTE_FRAME;

/*****/
/* Energy Production Report 2byte command class structs */
/*****/

```

```

typedef struct _ZW_ENERGY_PRODUCTION_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
    BYTE    level;              /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;             /* LSB */
} ZW_ENERGY_PRODUCTION_REPORT_2BYTE_FRAME;

/*****
/* Energy Production Report 3byte command class structs */
*****/
typedef struct _ZW_ENERGY_PRODUCTION_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
    BYTE    level;              /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;             /* LSB */
    BYTE    value3;             /**/
} ZW_ENERGY_PRODUCTION_REPORT_3BYTE_FRAME;

/*****
/* Energy Production Report 4byte command class structs */
*****/
typedef struct _ZW_ENERGY_PRODUCTION_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    parameterNumber;    /**/
    BYTE    level;              /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;             /* MSB */
    BYTE    value3;             /* MSB */
    BYTE    value4;             /* LSB */
} ZW_ENERGY_PRODUCTION_REPORT_4BYTE_FRAME;

/*****
/* Firmware Md Get command class structs */
*****/
typedef struct _ZW_FIRMWARE_MD_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_FIRMWARE_MD_GET_FRAME;

/*****
/* Firmware Md Report command class structs */
*****/
typedef struct _ZW_FIRMWARE_MD_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    manufacturerId1;     /* MSB */
    BYTE    manufacturerId2;     /* LSB */
    BYTE    firmwareId1;        /* MSB */
    BYTE    firmwareId2;        /* LSB */
    BYTE    checksum1;          /* MSB */
    BYTE    checksum2;          /* LSB */
} ZW_FIRMWARE_MD_REPORT_FRAME;

/*****
/* Firmware Update Md Get command class structs */
*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    numberOfReports;     /**/
    BYTE    properties1;         /* masked byte */
    BYTE    reportNumber2;       /**/
} ZW_FIRMWARE_UPDATE_MD_GET_FRAME;

/*****
/* Firmware Update Md Report 1byte command class structs */
*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */

```

```

    BYTE    cmd;                                /* The command */
    BYTE    properties1;                        /* masked 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_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    properties1;                        /* masked byte */
    BYTE    reportNumber2;                     /**/
    BYTE    data1;                             /* MSB */
    BYTE    data2;                             /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_FRAME;

/*****/
/* Firmware Update Md Report 3byte command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    properties1;                        /* masked byte */
    BYTE    reportNumber2;                     /**/
    BYTE    data1;                             /* MSB */
    BYTE    data2;
    BYTE    data3;                             /* 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_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    properties1;                        /* masked byte */
    BYTE    reportNumber2;                     /**/
    BYTE    data1;                             /* MSB */
    BYTE    data2;
    BYTE    data3;
    BYTE    data4;                             /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_FRAME;

/*****/
/* Firmware Update Md Request Get command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    manufacturerId1;                   /* MSB */
    BYTE    manufacturerId2;                   /* LSB */
    BYTE    firmwareId1;                       /* MSB */
    BYTE    firmwareId2;                       /* LSB */
    BYTE    checksum1;                         /* MSB */
    BYTE    checksum2;                         /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_FRAME;

/*****/
/* Firmware Update Md Request Report command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    status;                             /**/
} ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_FRAME;

/*****/
/* Firmware Update Md Status Report command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    status;                             /**/

```



```

} ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_FRAME;

/*****/
/* Firmware Md Get V2 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_MD_GET_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_FIRMWARE_MD_GET_V2_FRAME;

/*****/
/* Firmware Md Report V2 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_MD_REPORT_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    manufacturerId1;    /* MSB */
    BYTE    manufacturerId2;    /* LSB */
    BYTE    firmwareId1;        /* MSB */
    BYTE    firmwareId2;        /* LSB */
    BYTE    checksum1;          /* MSB */
    BYTE    checksum2;          /* LSB */
} ZW_FIRMWARE_MD_REPORT_V2_FRAME;

/*****/
/* Firmware Update Md Get V2 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_GET_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    numberOfReports;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    reportNumber2;      /**/
} ZW_FIRMWARE_UPDATE_MD_GET_V2_FRAME;

/*****/
/* Firmware Update Md Report 1byte V2 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    reportNumber2;      /**/
    BYTE    data1;              /* MSB */
    BYTE    checksum1;          /* MSB */
    BYTE    checksum2;          /* LSB */
} 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    reportNumber2;      /**/
    BYTE    data1;              /* MSB */
    BYTE    data2;              /* LSB */
    BYTE    checksum1;          /* MSB */
    BYTE    checksum2;          /* LSB */
} 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    reportNumber2;      /**/
    BYTE    data1;              /* MSB */
    BYTE    data2;              /* MSB */
    BYTE    data3;              /* LSB */
    BYTE    checksum1;          /* MSB */
    BYTE    checksum2;          /* LSB */
}

```

```
} ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V2_FRAME;

/*****
/* Firmware Update Md Report 4byte V2 command class structs */
*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    properties1;       /* masked byte */
    BYTE    reportNumber2;     /**/
    BYTE    data1;             /* MSB */
    BYTE    data2;
    BYTE    data3;
    BYTE    data4;             /* LSB */
    BYTE    checksum1;         /* MSB */
    BYTE    checksum2;         /* 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    manufacturerId1;   /* MSB */
    BYTE    manufacturerId2;   /* LSB */
    BYTE    firmwareId1;       /* MSB */
    BYTE    firmwareId2;       /* LSB */
    BYTE    checksum1;         /* MSB */
    BYTE    checksum2;         /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V2_FRAME;

/*****
/* Firmware Update Md Request Report V2 command class structs */
*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    status;            /**/
} ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V2_FRAME;

/*****
/* Firmware Update Md Status Report V2 command class structs */
*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    status;            /**/
} ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V2_FRAME;

/*****
/* Firmware Md Get V3 command class structs */
*****/
typedef struct _ZW_FIRMWARE_MD_GET_V3_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_FIRMWARE_MD_GET_V3_FRAME;

/*****
/* Firmware Md Report V3 variant group structs */
*****/
typedef struct _VG_FIRMWARE_MD_REPORT_V3_VG_
{
    BYTE    firmwareId1;       /* MSB */
    BYTE    firmwareId2;       /* LSB */
} VG_FIRMWARE_MD_REPORT_V3_VG;

/*****
/* Firmware Md Report 1byte V3 command class structs */
*****/
typedef struct _ZW_FIRMWARE_MD_REPORT_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    manufacturerId1;   /* MSB */
    BYTE    manufacturerId2;   /* LSB */
}
```

```

    BYTE    firmware0Id1;           /* MSB */
    BYTE    firmware0Id2;           /* LSB */
    BYTE    firmware0Checksum1;     /* MSB */
    BYTE    firmware0Checksum2;     /* LSB */
    BYTE    firmwareUpgradable;     /**/
    BYTE    numberOfFirmwareTargets; /**/
    BYTE    maxFragmentSize1;       /* MSB */
    BYTE    maxFragmentSize2;       /* LSB */
    VG_FIRMWARE_MD_REPORT_V3_VG variantgroup1; /**/
} ZW_FIRMWARE_MD_REPORT_1BYTE_V3_FRAME;

/*****/
/* Firmware Md Report 2byte V3 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_MD_REPORT_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;               /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    firmware0Id1;           /* MSB */
    BYTE    firmware0Id2;           /* LSB */
    BYTE    firmware0Checksum1;     /* MSB */
    BYTE    firmware0Checksum2;     /* LSB */
    BYTE    firmwareUpgradable;     /**/
    BYTE    numberOfFirmwareTargets; /**/
    BYTE    maxFragmentSize1;       /* MSB */
    BYTE    maxFragmentSize2;       /* LSB */
    VG_FIRMWARE_MD_REPORT_V3_VG variantgroup1; /**/
    VG_FIRMWARE_MD_REPORT_V3_VG variantgroup2; /**/
} ZW_FIRMWARE_MD_REPORT_2BYTE_V3_FRAME;

/*****/
/* Firmware Md Report 3byte V3 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_MD_REPORT_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;               /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    firmware0Id1;           /* MSB */
    BYTE    firmware0Id2;           /* LSB */
    BYTE    firmware0Checksum1;     /* MSB */
    BYTE    firmware0Checksum2;     /* LSB */
    BYTE    firmwareUpgradable;     /**/
    BYTE    numberOfFirmwareTargets; /**/
    BYTE    maxFragmentSize1;       /* MSB */
    BYTE    maxFragmentSize2;       /* LSB */
    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 */
    BYTE    cmd;                    /* The command */
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    firmware0Id1;           /* MSB */
    BYTE    firmware0Id2;           /* LSB */
    BYTE    firmware0Checksum1;     /* MSB */
    BYTE    firmware0Checksum2;     /* LSB */
    BYTE    firmwareUpgradable;     /**/
    BYTE    numberOfFirmwareTargets; /**/
    BYTE    maxFragmentSize1;       /* MSB */
    BYTE    maxFragmentSize2;       /* LSB */
    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;

/*****/
/* Firmware Update Md Get V3 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_GET_V3_FRAME_

```

```

{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    numberOfReports;        /**/
    BYTE    properties1;            /* masked byte */
    BYTE    reportNumber2;          /**/
} ZW_FIRMWARE_UPDATE_MD_GET_V3_FRAME;

/*****/
/* Firmware Update Md Report 1byte V3 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    reportNumber2;          /**/
    BYTE    data1;
    BYTE    checksum1;              /* MSB */
    BYTE    checksum2;              /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V3_FRAME;

/*****/
/* Firmware Update Md Report 2byte V3 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    reportNumber2;          /**/
    BYTE    data1;                  /* MSB */
    BYTE    data2;                  /* LSB */
    BYTE    checksum1;              /* MSB */
    BYTE    checksum2;              /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_V3_FRAME;

/*****/
/* Firmware Update Md Report 3byte V3 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    reportNumber2;          /**/
    BYTE    data1;                  /* MSB */
    BYTE    data2;
    BYTE    data3;
    BYTE    checksum1;              /* MSB */
    BYTE    checksum2;              /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V3_FRAME;

/*****/
/* Firmware Update Md Report 4byte V3 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    reportNumber2;          /**/
    BYTE    data1;                  /* MSB */
    BYTE    data2;
    BYTE    data3;
    BYTE    data4;                  /* LSB */
    BYTE    checksum1;              /* MSB */
    BYTE    checksum2;              /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_V3_FRAME;

/*****/
/* Firmware Update Md Request Get V3 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    firmwareId1;            /* MSB */
    BYTE    firmwareId2;            /* LSB */
}

```

```

    BYTE    checksum1;                /* MSB */
    BYTE    checksum2;                /* LSB */
    BYTE    firmwareTarget;           /**/
    BYTE    fragmentSize1;            /* MSB */
    BYTE    fragmentSize2;            /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V3_FRAME;

/*****/
/* Firmware Update Md Request Report V3 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V3_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    status;                   /**/
} ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V3_FRAME;

/*****/
/* Firmware Update Md Status Report V3 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V3_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    status;                   /**/
    BYTE    waittime1;                /* MSB */
    BYTE    waittime2;                /* LSB */
} ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V3_FRAME;

/*****/
/* Firmware Md Get V4 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_MD_GET_V4_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
} ZW_FIRMWARE_MD_GET_V4_FRAME;

/*****/
/* Firmware Md Report V4 variant group structs */
/*****/
typedef struct _VG_FIRMWARE_MD_REPORT_V4_VG_
{
    BYTE    firmwareId1;               /* MSB */
    BYTE    firmwareId2;               /* LSB */
} VG_FIRMWARE_MD_REPORT_V4_VG;

/*****/
/* Firmware Md Report 1byte V4 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_MD_REPORT_1BYTE_V4_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    manufacturerId1;           /* MSB */
    BYTE    manufacturerId2;           /* LSB */
    BYTE    firmware0Id1;              /* MSB */
    BYTE    firmware0Id2;              /* LSB */
    BYTE    firmware0Checksum1;         /* MSB */
    BYTE    firmware0Checksum2;         /* LSB */
    BYTE    firmwareUpgradable;         /**/
    BYTE    numberOfFirmwareTargets;    /**/
    BYTE    maxFragmentSize1;           /* MSB */
    BYTE    maxFragmentSize2;           /* LSB */
    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_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    manufacturerId1;           /* MSB */
    BYTE    manufacturerId2;           /* LSB */
    BYTE    firmware0Id1;              /* MSB */
    BYTE    firmware0Id2;              /* LSB */
    BYTE    firmware0Checksum1;         /* MSB */
    BYTE    firmware0Checksum2;         /* LSB */
    BYTE    firmwareUpgradable;         /**/

```

```

    BYTE    numberOfFirmwareTargets;    /**/
    BYTE    maxFragmentSize1;           /* MSB */
    BYTE    maxFragmentSize2;           /* LSB */
    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    cmdClass;                   /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    manufacturerId1;            /* MSB */
    BYTE    manufacturerId2;            /* LSB */
    BYTE    firmware0Id1;               /* MSB */
    BYTE    firmware0Id2;               /* LSB */
    BYTE    firmware0Checksum1;          /* MSB */
    BYTE    firmware0Checksum2;          /* LSB */
    BYTE    firmwareUpgradable;          /**/
    BYTE    numberOfFirmwareTargets;     /**/
    BYTE    maxFragmentSize1;            /* MSB */
    BYTE    maxFragmentSize2;            /* LSB */
    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_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    manufacturerId1;            /* MSB */
    BYTE    manufacturerId2;            /* LSB */
    BYTE    firmware0Id1;               /* MSB */
    BYTE    firmware0Id2;               /* LSB */
    BYTE    firmware0Checksum1;          /* MSB */
    BYTE    firmware0Checksum2;          /* LSB */
    BYTE    firmwareUpgradable;          /**/
    BYTE    numberOfFirmwareTargets;     /**/
    BYTE    maxFragmentSize1;            /* MSB */
    BYTE    maxFragmentSize2;            /* LSB */
    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;

/*****/
/* Firmware Update Md Get V4 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_GET_V4_FRAME_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    numberOfReports;             /**/
    BYTE    properties1;                 /* masked byte */
    BYTE    reportNumber2;               /**/
} ZW_FIRMWARE_UPDATE_MD_GET_V4_FRAME;

/*****/
/* Firmware Update Md Report 1byte V4 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V4_FRAME_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;                 /* masked byte */
    BYTE    reportNumber2;               /**/
    BYTE    data1;
    BYTE    checksum1;                   /* MSB */
    BYTE    checksum2;                   /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V4_FRAME;

/*****/
/* Firmware Update Md Report 2byte V4 command class structs */
/*****/

```

```

typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    reportNumber2;           /**/
    BYTE    data1;                  /* MSB */
    BYTE    data2;                  /* LSB */
    BYTE    checksum1;              /* MSB */
    BYTE    checksum2;              /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_V4_FRAME;

/*****/
/* Firmware Update Md Report 3byte V4 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    reportNumber2;           /**/
    BYTE    data1;                  /* MSB */
    BYTE    data2;                  /* LSB */
    BYTE    data3;                  /* MSB */
    BYTE    checksum1;              /* MSB */
    BYTE    checksum2;              /* LSB */
} 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 */
    BYTE    properties1;             /* masked byte */
    BYTE    reportNumber2;           /**/
    BYTE    data1;                  /* MSB */
    BYTE    data2;                  /* MSB */
    BYTE    data3;                  /* MSB */
    BYTE    data4;                  /* LSB */
    BYTE    checksum1;              /* MSB */
    BYTE    checksum2;              /* LSB */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    manufacturerId1;         /* MSB */
    BYTE    manufacturerId2;         /* LSB */
    BYTE    firmwareId1;             /* MSB */
    BYTE    firmwareId2;             /* LSB */
    BYTE    checksum1;              /* MSB */
    BYTE    checksum2;              /* LSB */
    BYTE    firmwareTarget;          /**/
    BYTE    fragmentSize1;           /* MSB */
    BYTE    fragmentSize2;           /* LSB */
    BYTE    properties1;             /* masked byte */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    status;                  /**/
} ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V4_FRAME;

/*****/
/* Firmware Update Md Status Report V4 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */

```

```

    BYTE    status;                                /**/
    BYTE    waittime1;                             /* MSB */
    BYTE    waittime2;                             /* LSB */
} ZW_FIRMWARE_UPDATE_MD_STATUS_REPORT_V4_FRAME;

/*****/
/* Firmware Update Activation Set V4 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_ACTIVATION_SET_V4_FRAME_
{
    BYTE    cmdClass;                             /* The command class */
    BYTE    cmd;                                  /* The command */
    BYTE    manufacturerId1;                      /* MSB */
    BYTE    manufacturerId2;                      /* LSB */
    BYTE    firmwareId1;                         /* MSB */
    BYTE    firmwareId2;                         /* LSB */
    BYTE    checksum1;                           /* MSB */
    BYTE    checksum2;                           /* LSB */
    BYTE    firmwareTarget;                      /**/
} 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_
{
    BYTE    cmdClass;                             /* The command class */
    BYTE    cmd;                                  /* The command */
    BYTE    manufacturerId1;                      /* MSB */
    BYTE    manufacturerId2;                      /* LSB */
    BYTE    firmwareId;                          /**/
    BYTE    checksum1;                           /* MSB */
    BYTE    checksum2;                           /* LSB */
    BYTE    firmwareTarget;                      /**/
    BYTE    firmwareUpdateStatus;                /**/
} ZW_FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_V4_FRAME;

/*****/
/* Firmware Md Get V5 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_MD_GET_V5_FRAME_
{
    BYTE    cmdClass;                             /* The command class */
    BYTE    cmd;                                  /* The command */
} ZW_FIRMWARE_MD_GET_V5_FRAME;

/*****/
/* Firmware Md Report V5 variant group structs */
/*****/
typedef struct _VG_FIRMWARE_MD_REPORT_V5_VG_
{
    BYTE    firmwareId1;                         /* MSB */
    BYTE    firmwareId2;                         /* LSB */
} VG_FIRMWARE_MD_REPORT_V5_VG;

/*****/
/* Firmware Md Report 1byte V5 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_MD_REPORT_1BYTE_V5_FRAME_
{
    BYTE    cmdClass;                             /* The command class */
    BYTE    cmd;                                  /* The command */
    BYTE    manufacturerId1;                      /* MSB */
    BYTE    manufacturerId2;                      /* LSB */
    BYTE    firmware0Id1;                        /* MSB */
    BYTE    firmware0Id2;                        /* LSB */
    BYTE    firmware0Checksum1;                  /* MSB */
    BYTE    firmware0Checksum2;                  /* LSB */
    BYTE    firmwareUpgradable;                  /**/
    BYTE    numberOfFirmwareTargets;             /**/
    BYTE    maxFragmentSize1;                    /* MSB */
    BYTE    maxFragmentSize2;                    /* LSB */
    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_
{

```



```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    firmware0Id1;          /* MSB */
    BYTE    firmware0Id2;          /* LSB */
    BYTE    firmware0Checksum1;    /* MSB */
    BYTE    firmware0Checksum2;    /* LSB */
    BYTE    firmwareUpgradable;    /**/
    BYTE    numberOfFirmwareTargets; /**/
    BYTE    maxFragmentSize1;      /* MSB */
    BYTE    maxFragmentSize2;      /* LSB */
    VG_FIRMWARE_MD_REPORT_V5_VG variantgroup1; /**/
    VG_FIRMWARE_MD_REPORT_V5_VG variantgroup2; /**/
    BYTE    hardwareVersion;       /**/
} ZW_FIRMWARE_MD_REPORT_2BYTE_V5_FRAME;

/*****/
/* Firmware Md Report 3byte V5 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_MD_REPORT_3BYTE_V5_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    firmware0Id1;          /* MSB */
    BYTE    firmware0Id2;          /* LSB */
    BYTE    firmware0Checksum1;    /* MSB */
    BYTE    firmware0Checksum2;    /* LSB */
    BYTE    firmwareUpgradable;    /**/
    BYTE    numberOfFirmwareTargets; /**/
    BYTE    maxFragmentSize1;      /* MSB */
    BYTE    maxFragmentSize2;      /* LSB */
    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    firmware0Id1;          /* MSB */
    BYTE    firmware0Id2;          /* LSB */
    BYTE    firmware0Checksum1;    /* MSB */
    BYTE    firmware0Checksum2;    /* LSB */
    BYTE    firmwareUpgradable;    /**/
    BYTE    numberOfFirmwareTargets; /**/
    BYTE    maxFragmentSize1;      /* MSB */
    BYTE    maxFragmentSize2;      /* LSB */
    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;       /**/
} ZW_FIRMWARE_MD_REPORT_4BYTE_V5_FRAME;

/*****/
/* Firmware Update Md Get V5 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_GET_V5_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    numberOfReports;         /**/
    BYTE    properties1;            /* masked byte */
    BYTE    reportNumber2;          /**/
} ZW_FIRMWARE_UPDATE_MD_GET_V5_FRAME;

/*****/
/* Firmware Update Md Report 1byte V5 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_1BYTE_V5_FRAME_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;              /* masked byte */
    BYTE    reportNumber2;            /**/
    BYTE    data1;                    /* MSB */
    BYTE    checksum1;                /* MSB */
    BYTE    checksum2;                /* LSB */
} 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 */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;              /* masked byte */
    BYTE    reportNumber2;            /**/
    BYTE    data1;                    /* MSB */
    BYTE    data2;                    /* LSB */
    BYTE    checksum1;                /* MSB */
    BYTE    checksum2;                /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REPORT_2BYTE_V5_FRAME;

/*****
/* Firmware Update Md Report 3byte V5 command class structs */
*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REPORT_3BYTE_V5_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;              /* masked byte */
    BYTE    reportNumber2;            /**/
    BYTE    data1;                    /* MSB */
    BYTE    data2;                    /* MSB */
    BYTE    data3;                    /* LSB */
    BYTE    checksum1;                /* MSB */
    BYTE    checksum2;                /* LSB */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;              /* masked byte */
    BYTE    reportNumber2;            /**/
    BYTE    data1;                    /* MSB */
    BYTE    data2;                    /* MSB */
    BYTE    data3;                    /* MSB */
    BYTE    data4;                    /* LSB */
    BYTE    checksum1;                /* MSB */
    BYTE    checksum2;                /* LSB */
} ZW_FIRMWARE_UPDATE_MD_REPORT_4BYTE_V5_FRAME;

/*****
/* Firmware Update Md Request Get V5 command class structs */
*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V5_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    manufacturerId1;          /* MSB */
    BYTE    manufacturerId2;          /* LSB */
    BYTE    firmwareId1;              /* MSB */
    BYTE    firmwareId2;              /* LSB */
    BYTE    checksum1;                /* MSB */
    BYTE    checksum2;                /* LSB */
    BYTE    firmwareTarget;            /**/
    BYTE    fragmentSize1;            /* MSB */
    BYTE    fragmentSize2;            /* LSB */
    BYTE    properties1;              /* masked byte */
    BYTE    hardwareVersion;           /**/
} ZW_FIRMWARE_UPDATE_MD_REQUEST_GET_V5_FRAME;

/*****
/* Firmware Update Md Request Report V5 command class structs */
*****/
typedef struct _ZW_FIRMWARE_UPDATE_MD_REQUEST_REPORT_V5_FRAME_

```

```

{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    status;                  /**/
    BYTE    waittime1;               /* MSB */
    BYTE    waittime2;               /* LSB */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    manufacturerId1;         /* MSB */
    BYTE    manufacturerId2;         /* LSB */
    BYTE    firmwareId1;             /* MSB */
    BYTE    firmwareId2;             /* LSB */
    BYTE    checksum1;               /* MSB */
    BYTE    checksum2;               /* LSB */
    BYTE    firmwareTarget;          /**/
    BYTE    hardwareVersion;         /**/
} ZW_FIRMWARE_UPDATE_ACTIVATION_SET_V5_FRAME;

/*****/
/* Firmware Update Activation Status Report V5 command class structs */
/*****/
typedef struct _ZW_FIRMWARE_UPDATE_ACTIVATION_STATUS_REPORT_V5_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    manufacturerId1;         /* MSB */
    BYTE    manufacturerId2;         /* LSB */
    BYTE    firmwareId;              /**/
    BYTE    checksum1;               /* MSB */
    BYTE    checksum2;               /* LSB */
    BYTE    firmwareTarget;          /**/
    BYTE    firmwareUpdateStatus;    /**/
    BYTE    hardwareVersion;         /**/
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    manufacturerId1;         /* MSB */
    BYTE    manufacturerId2;         /* LSB */
    BYTE    firmwareId1;             /* MSB */
    BYTE    firmwareId2;             /* LSB */
    BYTE    firmwareTarget;          /**/
    BYTE    fragmentSize1;           /* MSB */
    BYTE    fragmentSize2;           /* LSB */
    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    status;                  /**/
    BYTE    firmwareChecksum1;       /* MSB */
    BYTE    firmwareChecksum2;       /* LSB */
} ZW_FIRMWARE_UPDATE_MD_PREPARE_REPORT_V5_FRAME;

```

```

/*****
/* Geographic Location Get command class structs */
/*****/
typedef struct _ZW_GEOGRAPHIC_LOCATION_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_GEOGRAPHIC_LOCATION_GET_FRAME;

/*****
/* Geographic Location Report command class structs */
/*****/
typedef struct _ZW_GEOGRAPHIC_LOCATION_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    longitudeDegrees;        /**/
    BYTE    level;                  /* masked byte */
    BYTE    latitudeDegrees;        /**/
    BYTE    level2;                 /* masked byte */
} ZW_GEOGRAPHIC_LOCATION_REPORT_FRAME;

/*****
/* Geographic Location Set command class structs */
/*****/
typedef struct _ZW_GEOGRAPHIC_LOCATION_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    longitudeDegrees;        /**/
    BYTE    level;                  /* masked byte */
    BYTE    latitudeDegrees;        /**/
    BYTE    level2;                 /* masked byte */
} ZW_GEOGRAPHIC_LOCATION_SET_FRAME;

/*****
/* Grouping Name Get command class structs */
/*****/
typedef struct _ZW_GROUPING_NAME_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
} ZW_GROUPING_NAME_GET_FRAME;

/*****
/* Grouping Name Report command class structs */
/*****/
typedef struct _ZW_GROUPING_NAME_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    properties1;            /* masked byte */
    BYTE    groupingName1;          /* MSB */
    BYTE    groupingName2;
    BYTE    groupingName3;
    BYTE    groupingName4;
    BYTE    groupingName5;
    BYTE    groupingName6;
    BYTE    groupingName7;
    BYTE    groupingName8;
    BYTE    groupingName9;
    BYTE    groupingName10;
    BYTE    groupingName11;
    BYTE    groupingName12;
    BYTE    groupingName13;
    BYTE    groupingName14;
    BYTE    groupingName15;
    BYTE    groupingName16;         /* LSB */
} ZW_GROUPING_NAME_REPORT_FRAME;

/*****
/* Grouping Name Set command class structs */
/*****/
typedef struct _ZW_GROUPING_NAME_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    properties1;            /* masked byte */
}

```

```

    BYTE    groupingName1;          /* MSB */
    BYTE    groupingName2;
    BYTE    groupingName3;
    BYTE    groupingName4;
    BYTE    groupingName5;
    BYTE    groupingName6;
    BYTE    groupingName7;
    BYTE    groupingName8;
    BYTE    groupingName9;
    BYTE    groupingName10;
    BYTE    groupingName11;
    BYTE    groupingName12;
    BYTE    groupingName13;
    BYTE    groupingName14;
    BYTE    groupingName15;
    BYTE    groupingName16;          /* LSB */
} ZW_GROUPING_NAME_SET_FRAME;

/*****/
/* Hail command class structs */
/*****/
typedef struct _ZW_HAIL_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_HAIL_FRAME;

/*****/
/* Hrv Control Bypass Get command class structs */
/*****/
typedef struct _ZW_HRV_CONTROL_BYPASS_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_HRV_CONTROL_BYPASS_GET_FRAME;

/*****/
/* Hrv Control Bypass Report command class structs */
/*****/
typedef struct _ZW_HRV_CONTROL_BYPASS_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    bypass;                  /**/
} ZW_HRV_CONTROL_BYPASS_REPORT_FRAME;

/*****/
/* Hrv Control Bypass Set command class structs */
/*****/
typedef struct _ZW_HRV_CONTROL_BYPASS_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    bypass;                  /**/
} ZW_HRV_CONTROL_BYPASS_SET_FRAME;

/*****/
/* Hrv Control Mode Get command class structs */
/*****/
typedef struct _ZW_HRV_CONTROL_MODE_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} 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 */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;             /* masked byte */
} ZW_HRV_CONTROL_MODE_REPORT_FRAME;

/*****/
/* Hrv Control Mode Set command class structs */
/*****/
typedef struct _ZW_HRV_CONTROL_MODE_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */

```

```

        BYTE      cmd;                                /* The command */
        BYTE      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_
{
    BYTE      cmdClass;                               /* The command class */
    BYTE      cmd;                                    /* The command */
} 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 */
    BYTE      properties1;                           /* masked byte */
    BYTE      bitMask1;                              /* masked byte */
} 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_
{
    BYTE      cmdClass;                               /* The command class */
    BYTE      cmd;                                    /* The command */
    BYTE      properties1;                           /* masked byte */
    BYTE      bitMask1;                              /* MSB */
    BYTE      bitMask2;                              /* LSB */
} 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_
{
    BYTE      cmdClass;                               /* The command class */
    BYTE      cmd;                                    /* The command */
    BYTE      properties1;                           /* masked byte */
    BYTE      bitMask1;                              /* MSB */
    BYTE      bitMask2;                              /* MSB */
    BYTE      bitMask3;                              /* LSB */
} 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_
{
    BYTE      cmdClass;                               /* The command class */
    BYTE      cmd;                                    /* The command */
    BYTE      properties1;                           /* masked byte */
    BYTE      bitMask1;                              /* MSB */
    BYTE      bitMask2;                              /* MSB */
    BYTE      bitMask3;                              /* MSB */
    BYTE      bitMask4;                              /* LSB */
} ZW_HRV_CONTROL_MODE_SUPPORTED_REPORT_4BYTE_FRAME;

/*****
/* Hrv Control Ventilation Rate Get command class structs */
*****/
typedef struct _ZW_HRV_CONTROL_VENTILATION_RATE_GET_FRAME_
{
    BYTE      cmdClass;                               /* The command class */
    BYTE      cmd;                                    /* The command */
} ZW_HRV_CONTROL_VENTILATION_RATE_GET_FRAME;

/*****
/* Hrv Control Ventilation Rate Report command class structs */
*****/
typedef struct _ZW_HRV_CONTROL_VENTILATION_RATE_REPORT_FRAME_
{
    BYTE      cmdClass;                               /* The command class */
    BYTE      cmd;                                    /* The command */
    BYTE      ventilationRate;                       /* */
} ZW_HRV_CONTROL_VENTILATION_RATE_REPORT_FRAME;

```

```

/*****
/* Hrv Control Ventilation Rate Set command class structs */
/*****
typedef struct _ZW_HRV_CONTROL_VENTILATION_RATE_SET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    ventilationRate;    /**/
} ZW_HRV_CONTROL_VENTILATION_RATE_SET_FRAME;

/*****
/* Hrv Status Get command class structs */
/*****
typedef struct _ZW_HRV_STATUS_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    statusParameter;    /**/
} ZW_HRV_STATUS_GET_FRAME;

/*****
/* Hrv Status Report 1byte command class structs */
/*****
typedef struct _ZW_HRV_STATUS_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    statusParameter;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    value1;
} ZW_HRV_STATUS_REPORT_1BYTE_FRAME;

/*****
/* Hrv Status Report 2byte command class structs */
/*****
typedef struct _ZW_HRV_STATUS_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    statusParameter;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;             /* LSB */
} ZW_HRV_STATUS_REPORT_2BYTE_FRAME;

/*****
/* Hrv Status Report 3byte command class structs */
/*****
typedef struct _ZW_HRV_STATUS_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    statusParameter;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;
    BYTE    value3;             /* LSB */
} ZW_HRV_STATUS_REPORT_3BYTE_FRAME;

/*****
/* Hrv Status Report 4byte command class structs */
/*****
typedef struct _ZW_HRV_STATUS_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    statusParameter;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;             /* LSB */
} ZW_HRV_STATUS_REPORT_4BYTE_FRAME;

/*****
/* Hrv Status Supported Get command class structs */
/*****
typedef struct _ZW_HRV_STATUS_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */

```

```
    BYTE    cmd;                                /* The command */
} ZW_HRV_STATUS_SUPPORTED_GET_FRAME;

/*****
/* Hrv Status Supported Report 1byte command class structs */
*****/
typedef struct _ZW_HRV_STATUS_SUPPORTED_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    bitMask1;
} ZW_HRV_STATUS_SUPPORTED_REPORT_1BYTE_FRAME;

/*****
/* Hrv Status Supported Report 2byte command class structs */
*****/
typedef struct _ZW_HRV_STATUS_SUPPORTED_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    bitMask1;                            /* MSB */
    BYTE    bitMask2;                            /* LSB */
} ZW_HRV_STATUS_SUPPORTED_REPORT_2BYTE_FRAME;

/*****
/* Hrv Status Supported Report 3byte command class structs */
*****/
typedef struct _ZW_HRV_STATUS_SUPPORTED_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    bitMask1;                            /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;                            /* LSB */
} ZW_HRV_STATUS_SUPPORTED_REPORT_3BYTE_FRAME;

/*****
/* Hrv Status Supported Report 4byte command class structs */
*****/
typedef struct _ZW_HRV_STATUS_SUPPORTED_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    bitMask1;                            /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;                            /* LSB */
} ZW_HRV_STATUS_SUPPORTED_REPORT_4BYTE_FRAME;

/*****
/* Indicator Get command class structs */
*****/
typedef struct _ZW_INDICATOR_GET_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
} ZW_INDICATOR_GET_FRAME;

/*****
/* Indicator Report command class structs */
*****/
typedef struct _ZW_INDICATOR_REPORT_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    value;                               /**/
} ZW_INDICATOR_REPORT_FRAME;

/*****
/* Indicator Set command class structs */
*****/
typedef struct _ZW_INDICATOR_SET_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    value;                               /**/
} ZW_INDICATOR_SET_FRAME;

/*****
/* Indicator Get V2 command class structs */
*****/
```



```

typedef struct _ZW_INDICATOR_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    indicatorId;        /**/
} ZW_INDICATOR_GET_V2_FRAME;

/*****
/* Indicator Report V2 variant group structs */
*****/
typedef struct _VG_INDICATOR_REPORT_V2_VG_
{
    BYTE    indicatorId;        /**/
    BYTE    propertyId;         /**/
    BYTE    value;              /**/
} VG_INDICATOR_REPORT_V2_VG;

/*****
/* Indicator Report 1byte V2 command class structs */
*****/
typedef struct _ZW_INDICATOR_REPORT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    indicator0Value;     /**/
    BYTE    properties1;         /* masked byte */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    indicator0Value;     /**/
    BYTE    properties1;         /* masked byte */
    VG_INDICATOR_REPORT_V2_VG variantgroup1; /**/
    VG_INDICATOR_REPORT_V2_VG variantgroup2; /**/
} ZW_INDICATOR_REPORT_2BYTE_V2_FRAME;

/*****
/* Indicator Report 3byte V2 command class structs */
*****/
typedef struct _ZW_INDICATOR_REPORT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    indicator0Value;     /**/
    BYTE    properties1;         /* masked byte */
    VG_INDICATOR_REPORT_V2_VG variantgroup1; /**/
    VG_INDICATOR_REPORT_V2_VG variantgroup2; /**/
    VG_INDICATOR_REPORT_V2_VG variantgroup3; /**/
} ZW_INDICATOR_REPORT_3BYTE_V2_FRAME;

/*****
/* Indicator Report 4byte V2 command class structs */
*****/
typedef struct _ZW_INDICATOR_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    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;

/*****
/* Indicator Set V2 variant group structs */
*****/
typedef struct _VG_INDICATOR_SET_V2_VG_
{
    BYTE    indicatorId;        /**/
    BYTE    propertyId;         /**/
    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 */
    BYTE    cmd;                /* The command */
    BYTE    indicator0Value;    /**/
    BYTE    properties1;        /* masked byte */
    VG_INDICATOR_SET_V2_VG variantgroup1;    /**/
} ZW_INDICATOR_SET_1BYTE_V2_FRAME;

/*****
/* Indicator Set 2byte V2 command class structs */
/*****/
typedef struct _ZW_INDICATOR_SET_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    indicator0Value;    /**/
    BYTE    properties1;        /* masked byte */
    VG_INDICATOR_SET_V2_VG variantgroup1;    /**/
    VG_INDICATOR_SET_V2_VG variantgroup2;    /**/
} ZW_INDICATOR_SET_2BYTE_V2_FRAME;

/*****
/* Indicator Set 3byte V2 command class structs */
/*****/
typedef struct _ZW_INDICATOR_SET_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    indicator0Value;    /**/
    BYTE    properties1;        /* masked byte */
    VG_INDICATOR_SET_V2_VG variantgroup1;    /**/
    VG_INDICATOR_SET_V2_VG variantgroup2;    /**/
    VG_INDICATOR_SET_V2_VG variantgroup3;    /**/
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    indicator0Value;    /**/
    BYTE    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    indicatorId;        /**/
} ZW_INDICATOR_SUPPORTED_GET_V2_FRAME;

/*****
/* Indicator Supported Report 1byte V2 command class structs */
/*****/
typedef struct _ZW_INDICATOR_SUPPORTED_REPORT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    indicatorId;        /**/
    BYTE    nextIndicatorId;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    propertySupportedBitMask1;
} ZW_INDICATOR_SUPPORTED_REPORT_1BYTE_V2_FRAME;

/*****
/* Indicator Supported Report 2byte V2 command class structs */
/*****/
typedef struct _ZW_INDICATOR_SUPPORTED_REPORT_2BYTE_V2_FRAME_

```

```

{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    indicatorId;            /**/
    BYTE    nextIndicatorId;        /**/
    BYTE    properties1;            /* masked byte */
    BYTE    propertySupportedBitMask1; /* MSB */
    BYTE    propertySupportedBitMask2; /* LSB */
} ZW_INDICATOR_SUPPORTED_REPORT_2BYTE_V2_FRAME;

/*****
/* Indicator Supported Report 3byte V2 command class structs */
*****/
typedef struct _ZW_INDICATOR_SUPPORTED_REPORT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    indicatorId;            /**/
    BYTE    nextIndicatorId;        /**/
    BYTE    properties1;            /* masked byte */
    BYTE    propertySupportedBitMask1; /* MSB */
    BYTE    propertySupportedBitMask2;
    BYTE    propertySupportedBitMask3; /* LSB */
} ZW_INDICATOR_SUPPORTED_REPORT_3BYTE_V2_FRAME;

/*****
/* Indicator Supported Report 4byte V2 command class structs */
*****/
typedef struct _ZW_INDICATOR_SUPPORTED_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    indicatorId;            /**/
    BYTE    nextIndicatorId;        /**/
    BYTE    properties1;            /* masked byte */
    BYTE    propertySupportedBitMask1; /* MSB */
    BYTE    propertySupportedBitMask2;
    BYTE    propertySupportedBitMask3;
    BYTE    propertySupportedBitMask4; /* LSB */
} ZW_INDICATOR_SUPPORTED_REPORT_4BYTE_V2_FRAME;

/*****
/* Ip Configuration Get command class structs */
*****/
typedef struct _ZW_IP_CONFIGURATION_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_IP_CONFIGURATION_GET_FRAME;

/*****
/* Ip Configuration Release command class structs */
*****/
typedef struct _ZW_IP_CONFIGURATION_RELEASE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_IP_CONFIGURATION_RELEASE_FRAME;

/*****
/* Ip Configuration Renew command class structs */
*****/
typedef struct _ZW_IP_CONFIGURATION_RENEW_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_IP_CONFIGURATION_RENEW_FRAME;

/*****
/* Ip Configuration Report command class structs */
*****/
typedef struct _ZW_IP_CONFIGURATION_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    ipAddress1;            /* MSB */
    BYTE    ipAddress2;
    BYTE    ipAddress3;
    BYTE    ipAddress4;            /* LSB */
    BYTE    subnetMask1;            /* MSB */

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    BYTE    subnetMask2;
    BYTE    subnetMask3;
    BYTE    subnetMask4;          /* LSB */
    BYTE    gateway1;            /* MSB */
    BYTE    gateway2;
    BYTE    gateway3;
    BYTE    gateway4;            /* LSB */
    BYTE    dns11;                /* MSB */
    BYTE    dns12;
    BYTE    dns13;
    BYTE    dns14;                /* LSB */
    BYTE    dns21;                /* MSB */
    BYTE    dns22;
    BYTE    dns23;                /* LSB */
    BYTE    dns24;                /* MSB */
    BYTE    leasetime1;           /* MSB */
    BYTE    leasetime2;
    BYTE    leasetime3;
    BYTE    leasetime4;           /* LSB */
} ZW_IP_CONFIGURATION_REPORT_FRAME;

/*****
/* Ip Configuration Set command class structs */
*****/
typedef struct _ZW_IP_CONFIGURATION_SET_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    properties1;          /* masked byte */
    BYTE    ipAddress1;           /* MSB */
    BYTE    ipAddress2;
    BYTE    ipAddress3;
    BYTE    ipAddress4;           /* LSB */
    BYTE    subnetMask1;          /* MSB */
    BYTE    subnetMask2;
    BYTE    subnetMask3;
    BYTE    subnetMask4;          /* LSB */
    BYTE    gateway1;             /* MSB */
    BYTE    gateway2;
    BYTE    gateway3;
    BYTE    gateway4;             /* LSB */
    BYTE    dns11;                /* MSB */
    BYTE    dns12;
    BYTE    dns13;
    BYTE    dns14;                /* LSB */
    BYTE    dns21;                /* MSB */
    BYTE    dns22;
    BYTE    dns23;
    BYTE    dns24;                /* LSB */
} ZW_IP_CONFIGURATION_SET_FRAME;

/*****
/* Language Get command class structs */
*****/
typedef struct _ZW_LANGUAGE_GET_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
} ZW_LANGUAGE_GET_FRAME;

/*****
/* Language Report command class structs */
*****/
typedef struct _ZW_LANGUAGE_REPORT_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    language1;            /* MSB */
    BYTE    language2;
    BYTE    language3;            /* LSB */
    BYTE    country1;             /* MSB */
    BYTE    country2;             /* LSB */
} ZW_LANGUAGE_REPORT_FRAME;

/*****
/* Language Set command class structs */
*****/
typedef struct _ZW_LANGUAGE_SET_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */

```

```

    BYTE    language1;                /* MSB */
    BYTE    language2;
    BYTE    language3;                /* LSB */
    BYTE    country1;                 /* MSB */
    BYTE    country2;                 /* LSB */
} ZW_LANGUAGE_SET_FRAME;

/*****/
/* Lock Get command class structs */
/*****/
typedef struct _ZW_LOCK_GET_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
} ZW_LOCK_GET_FRAME;

/*****/
/* Lock Report command class structs */
/*****/
typedef struct _ZW_LOCK_REPORT_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    lockState;                /**/
} ZW_LOCK_REPORT_FRAME;

/*****/
/* Lock Set command class structs */
/*****/
typedef struct _ZW_LOCK_SET_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    lockState;                /**/
} ZW_LOCK_SET_FRAME;

/*****/
/* Manufacturer Specific Get command class structs */
/*****/
typedef struct _ZW_MANUFACTURER_SPECIFIC_GET_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
} ZW_MANUFACTURER_SPECIFIC_GET_FRAME;

/*****/
/* Manufacturer Specific Report command class structs */
/*****/
typedef struct _ZW_MANUFACTURER_SPECIFIC_REPORT_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    manufacturerId1;          /* MSB */
    BYTE    manufacturerId2;          /* LSB */
    BYTE    productId1;               /* MSB */
    BYTE    productId2;               /* LSB */
    BYTE    productType1;             /* MSB */
    BYTE    productType2;             /* LSB */
} ZW_MANUFACTURER_SPECIFIC_REPORT_FRAME;

/*****/
/* Manufacturer Specific Get V2 command class structs */
/*****/
typedef struct _ZW_MANUFACTURER_SPECIFIC_GET_V2_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
} ZW_MANUFACTURER_SPECIFIC_GET_V2_FRAME;

/*****/
/* Manufacturer Specific Report V2 command class structs */
/*****/
typedef struct _ZW_MANUFACTURER_SPECIFIC_REPORT_V2_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    manufacturerId1;          /* MSB */
    BYTE    manufacturerId2;          /* LSB */
    BYTE    productId1;               /* MSB */
    BYTE    productId2;               /* LSB */
    BYTE    productType1;             /* MSB */
    BYTE    productType2;             /* LSB */
    BYTE    productId1;               /* MSB */

```

```

    BYTE    productId2;                /* LSB */
} ZW_MANUFACTURER_SPECIFIC_REPORT_V2_FRAME;

/*****
/* Device Specific Get V2 command class structs */
*****/
typedef struct _ZW_DEVICE_SPECIFIC_GET_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;               /* masked byte */
} ZW_DEVICE_SPECIFIC_GET_V2_FRAME;

/*****
/* Device Specific Report 1byte V2 command class structs */
*****/
typedef struct _ZW_DEVICE_SPECIFIC_REPORT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    deviceIdData1;
} 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 */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    deviceIdData1;             /* MSB */
    BYTE    deviceIdData2;            /* LSB */
} ZW_DEVICE_SPECIFIC_REPORT_2BYTE_V2_FRAME;

/*****
/* Device Specific Report 3byte V2 command class structs */
*****/
typedef struct _ZW_DEVICE_SPECIFIC_REPORT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    deviceIdData1;             /* MSB */
    BYTE    deviceIdData2;
    BYTE    deviceIdData3;            /* LSB */
} ZW_DEVICE_SPECIFIC_REPORT_3BYTE_V2_FRAME;

/*****
/* Device Specific Report 4byte V2 command class structs */
*****/
typedef struct _ZW_DEVICE_SPECIFIC_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    deviceIdData1;             /* MSB */
    BYTE    deviceIdData2;
    BYTE    deviceIdData3;
    BYTE    deviceIdData4;            /* LSB */
} ZW_DEVICE_SPECIFIC_REPORT_4BYTE_V2_FRAME;

/*****
/* Meter Pulse Get command class structs */
*****/
typedef struct _ZW_METER_PULSE_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
} ZW_METER_PULSE_GET_FRAME;

/*****
/* Meter Pulse Report command class structs */
*****/
typedef struct _ZW_METER_PULSE_REPORT_FRAME_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    pulseCount1;            /* MSB */
    BYTE    pulseCount2;
    BYTE    pulseCount3;
    BYTE    pulseCount4;            /* LSB */
} 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 */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    meterPointAdmNumberCharacter1;
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    meterPointAdmNumberCharacter1; /* MSB */
    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    meterPointAdmNumberCharacter1; /* MSB */
    BYTE    meterPointAdmNumberCharacter2;
    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    meterPointAdmNumberCharacter1; /* MSB */
    BYTE    meterPointAdmNumberCharacter2;
    BYTE    meterPointAdmNumberCharacter3;
    BYTE    meterPointAdmNumberCharacter4; /* LSB */
} 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 */
    BYTE    year1;                  /* MSB */
    BYTE    year2;                  /* LSB */
    BYTE    month;                  /**/
    BYTE    day;                    /**/
    BYTE    hourLocalTime;          /**/
    BYTE    minuteLocalTime;        /**/
    BYTE    secondLocalTime;        /**/
} VG_METER_TBL_STATUS_REPORT_VG;

/*****/
/* Meter Tbl Status Report 1byte command class structs */
/*****/
typedef struct _ZW_METER_TBL_STATUS_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    reportsToFollow;        /**/

```

```

    BYTE    currentOperatingStatus1;    /* MSB */
    BYTE    currentOperatingStatus2;
    BYTE    currentOperatingStatus3;    /* LSB */
    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    reportsToFollow;        /**/
    BYTE    currentOperatingStatus1; /* MSB */
    BYTE    currentOperatingStatus2;
    BYTE    currentOperatingStatus3; /* 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    reportsToFollow;        /**/
    BYTE    currentOperatingStatus1; /* MSB */
    BYTE    currentOperatingStatus2;
    BYTE    currentOperatingStatus3; /* LSB */
    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;

/*****/
/* Meter Tbl Status Report 4byte command class structs */
/*****/
typedef struct _ZW_METER_TBL_STATUS_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    reportsToFollow;        /**/
    BYTE    currentOperatingStatus1; /* MSB */
    BYTE    currentOperatingStatus2;
    BYTE    currentOperatingStatus3; /* LSB */
    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;

/*****/
/* Meter Tbl Status Date Get command class structs */
/*****/
typedef struct _ZW_METER_TBL_STATUS_DATE_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    maximumReports;        /**/
    BYTE    startYear1;            /* MSB */
    BYTE    startYear2;            /* LSB */
    BYTE    startMonth;            /**/
    BYTE    startDay;              /**/
    BYTE    startHourLocalTime;    /**/
    BYTE    startMinuteLocalTime;  /**/
    BYTE    startSecondLocalTime;  /**/
    BYTE    stopYear1;             /* MSB */
    BYTE    stopYear2;             /* LSB */
    BYTE    stopMonth;             /**/
    BYTE    stopDay;               /**/
    BYTE    stopHourLocalTime;     /**/
    BYTE    stopMinuteLocalTime;   /**/
    BYTE    stopSecondLocalTime;   /**/
} ZW_METER_TBL_STATUS_DATE_GET_FRAME;

/*****/
/* Meter Tbl Status Depth Get command class structs */
/*****/

```



```

typedef struct _ZW_METER_TBL_STATUS_DEPTH_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    statusEventLogDepth; /* */
} ZW_METER_TBL_STATUS_DEPTH_GET_FRAME;

/*****/
/* Meter Tbl Status Supported Get command class structs */
/*****/
typedef struct _ZW_METER_TBL_STATUS_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    supportedOperatingStatus1; /* MSB */
    BYTE    supportedOperatingStatus2;
    BYTE    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 */
    BYTE    cmd;                /* The command */
    BYTE    datasetRequested1;   /* MSB */
    BYTE    datasetRequested2;
    BYTE    datasetRequested3;   /* LSB */
} ZW_METER_TBL_CURRENT_DATA_GET_FRAME;

/*****/
/* Meter Tbl Current Data Report variant group structs */
/*****/
typedef struct _VG_METER_TBL_CURRENT_DATA_REPORT_VG_
{
    BYTE    properties1;         /* masked byte */
    BYTE    currentValue1;       /* MSB */
    BYTE    currentValue2;
    BYTE    currentValue3;
    BYTE    currentValue4;       /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    reportsToFollow;     /* */
    BYTE    properties1;         /* masked byte */
    BYTE    dataset1;            /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;            /* LSB */
    BYTE    year1;               /* MSB */
    BYTE    year2;               /* LSB */
    BYTE    month;               /* */
    BYTE    day;                 /* */
    BYTE    hourLocalTime;       /* */
    BYTE    minuteLocalTime;     /* */
    BYTE    secondLocalTime;     /* */
    VG_METER_TBL_CURRENT_DATA_REPORT_VG variantgroup1; /* */
} ZW_METER_TBL_CURRENT_DATA_REPORT_1BYTE_FRAME;

/*****/
/* Meter Tbl Current Data Report 2byte command class structs */
/*****/
typedef struct _ZW_METER_TBL_CURRENT_DATA_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */

```

```

    BYTE    cmd;                                /* The command */
    BYTE    reportsToFollow;                    /**/
    BYTE    properties1;                        /* masked byte */
    BYTE    dataset1;                          /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;                          /* LSB */
    BYTE    year1;                             /* MSB */
    BYTE    year2;                             /* LSB */
    BYTE    month;                             /**/
    BYTE    day;                               /**/
    BYTE    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;

/*****
/* Meter Tbl Current Data Report 3byte command class structs */
*****/
typedef struct _ZW_METER_TBL_CURRENT_DATA_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                              /* The command */
    BYTE    reportsToFollow;                    /**/
    BYTE    properties1;                        /* masked byte */
    BYTE    dataset1;                          /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;                          /* LSB */
    BYTE    year1;                             /* MSB */
    BYTE    year2;                             /* LSB */
    BYTE    month;                             /**/
    BYTE    day;                               /**/
    BYTE    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;

/*****
/* Meter Tbl Current Data Report 4byte command class structs */
*****/
typedef struct _ZW_METER_TBL_CURRENT_DATA_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                              /* The command */
    BYTE    reportsToFollow;                    /**/
    BYTE    properties1;                        /* masked byte */
    BYTE    dataset1;                          /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;                          /* LSB */
    BYTE    year1;                             /* MSB */
    BYTE    year2;                             /* LSB */
    BYTE    month;                             /**/
    BYTE    day;                               /**/
    BYTE    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; /**/
    VG_METER_TBL_CURRENT_DATA_REPORT_VG variantgroup4; /**/
} ZW_METER_TBL_CURRENT_DATA_REPORT_4BYTE_FRAME;

/*****
/* Meter Tbl Historical Data Get command class structs */
*****/
typedef struct _ZW_METER_TBL_HISTORICAL_DATA_GET_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                              /* The command */
    BYTE    maximumReports;                     /**/
    BYTE    historicalDatasetRequested1;        /* MSB */
    BYTE    historicalDatasetRequested2;
    BYTE    historicalDatasetRequested3;        /* LSB */
    BYTE    startYear1;                         /* MSB */
    BYTE    startYear2;                         /* LSB */
    BYTE    startMonth;                         /**/
    BYTE    startDay;                           /**/

```

```

    BYTE    startHourLocalTime;          /**/
    BYTE    startMinuteLocalTime;        /**/
    BYTE    startSecondLocalTime;        /**/
    BYTE    stopYear1;                   /* MSB */
    BYTE    stopYear2;                   /* LSB */
    BYTE    stopMonth;                   /**/
    BYTE    stopDay;                     /**/
    BYTE    stopHourLocalTime;           /**/
    BYTE    stopMinuteLocalTime;         /**/
    BYTE    stopSecondLocalTime;         /**/
} ZW_METER_TBL_HISTORICAL_DATA_GET_FRAME;

/*****/
/* Meter Tbl Historical Data Report variant group structs */
/*****/
typedef struct _VG_METER_TBL_HISTORICAL_DATA_REPORT_VG_
{
    BYTE    properties1;                 /* masked byte */
    BYTE    historicalValue1;            /* MSB */
    BYTE    historicalValue2;
    BYTE    historicalValue3;
    BYTE    historicalValue4;            /* LSB */
} 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_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    reportsToFollow;            /**/
    BYTE    properties1;                 /* masked byte */
    BYTE    dataset1;                   /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;                   /* LSB */
    BYTE    year1;                      /* MSB */
    BYTE    year2;                      /* LSB */
    BYTE    month;                      /**/
    BYTE    day;                        /**/
    BYTE    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_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    reportsToFollow;            /**/
    BYTE    properties1;                 /* masked byte */
    BYTE    dataset1;                   /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;                   /* LSB */
    BYTE    year1;                      /* MSB */
    BYTE    year2;                      /* LSB */
    BYTE    month;                      /**/
    BYTE    day;                        /**/
    BYTE    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_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    reportsToFollow;            /**/
    BYTE    properties1;                 /* masked byte */
    BYTE    dataset1;                   /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;                   /* LSB */

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    BYTE    year1;                /* MSB */
    BYTE    year2;                /* LSB */
    BYTE    month;               /**/
    BYTE    day;                 /**/
    BYTE    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_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    reportsToFollow;     /**/
    BYTE    properties1;         /* masked byte */
    BYTE    dataset1;            /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;            /* LSB */
    BYTE    year1;               /* MSB */
    BYTE    year2;               /* LSB */
    BYTE    month;               /**/
    BYTE    day;                 /**/
    BYTE    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; /**/
    VG_METER_TBL_HISTORICAL_DATA_REPORT_VG variantgroup4; /**/
} ZW_METER_TBL_HISTORICAL_DATA_REPORT_4BYTE_FRAME;

/*****/
/* Meter Tbl Report command class structs */
/*****/
typedef struct _ZW_METER_TBL_REPORT_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    properties1;         /* masked byte */
    BYTE    properties2;         /* masked byte */
    BYTE    datasetSupported1;    /* MSB */
    BYTE    datasetSupported2;
    BYTE    datasetSupported3;    /* LSB */
    BYTE    datasetHistorySupported1; /* MSB */
    BYTE    datasetHistorySupported2;
    BYTE    datasetHistorySupported3; /* LSB */
    BYTE    dataHistorySupported1; /* MSB */
    BYTE    dataHistorySupported2;
    BYTE    dataHistorySupported3; /* LSB */
} ZW_METER_TBL_REPORT_FRAME;

/*****/
/* Meter Tbl Table Capability Get command class structs */
/*****/
typedef struct _ZW_METER_TBL_TABLE_CAPABILITY_GET_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
} ZW_METER_TBL_TABLE_CAPABILITY_GET_FRAME;

/*****/
/* Meter Tbl Table Id Get command class structs */
/*****/
typedef struct _ZW_METER_TBL_TABLE_ID_GET_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
} ZW_METER_TBL_TABLE_ID_GET_FRAME;

/*****/
/* Meter Tbl Table Id Report 1byte command class structs */
/*****/
typedef struct _ZW_METER_TBL_TABLE_ID_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;            /* The command class */

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    BYTE      cmd;                                /* The command */
    BYTE      properties1;                         /* masked byte */
    BYTE      meterIdCharacter1;
} 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 */
    BYTE      cmd;                                /* The command */
    BYTE      properties1;                         /* masked byte */
    BYTE      meterIdCharacter1;                  /* 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_
{
    BYTE      cmdClass;                           /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      properties1;                         /* masked byte */
    BYTE      meterIdCharacter1;                  /* MSB */
    BYTE      meterIdCharacter2;
    BYTE      meterIdCharacter3;                  /* LSB */
} 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 */
    BYTE      cmd;                                /* The command */
    BYTE      properties1;                         /* masked byte */
    BYTE      meterIdCharacter1;                  /* MSB */
    BYTE      meterIdCharacter2;
    BYTE      meterIdCharacter3;
    BYTE      meterIdCharacter4;                  /* LSB */
} ZW_METER_TBL_TABLE_ID_REPORT_4BYTE_FRAME;

/*****/
/* Meter Tbl Table Point Adm No Get command class structs */
/*****/
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_GET_FRAME_
{
    BYTE      cmdClass;                           /* The command class */
    BYTE      cmd;                                /* The command */
} 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_
{
    BYTE      cmdClass;                           /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      properties1;                         /* masked byte */
    BYTE      meterPointAdmNumberCharacter1;
} ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_1BYTE_FRAME;

/*****/
/* Meter Tbl Table Point Adm No Report 2byte command class structs */
/*****/
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_2BYTE_FRAME_
{
    BYTE      cmdClass;                           /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      properties1;                         /* masked byte */
    BYTE      meterPointAdmNumberCharacter1;      /* MSB */
    BYTE      meterPointAdmNumberCharacter2;      /* LSB */
} 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_
{

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    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    meterPointAdmNumberCharacter1; /* MSB */
    BYTE    meterPointAdmNumberCharacter2;
    BYTE    meterPointAdmNumberCharacter3; /* LSB */
} 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;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    meterPointAdmNumberCharacter1; /* MSB */
    BYTE    meterPointAdmNumberCharacter2;
    BYTE    meterPointAdmNumberCharacter3;
    BYTE    meterPointAdmNumberCharacter4; /* LSB */
} 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_
{
    BYTE    properties1;             /* masked byte */
    BYTE    year1;                   /* MSB */
    BYTE    year2;                   /* LSB */
    BYTE    month;                   /**/
    BYTE    day;                     /**/
    BYTE    hourLocalTime;           /**/
    BYTE    minuteLocalTime;         /**/
    BYTE    secondLocalTime;         /**/
} VG_METER_TBL_STATUS_REPORT_V2_VG;

/*****/
/* Meter Tbl Status Report 1byte V2 command class structs */
/*****/
typedef struct _ZW_METER_TBL_STATUS_REPORT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    reportsToFollow;         /**/
    BYTE    currentOperatingStatus1; /* MSB */
    BYTE    currentOperatingStatus2;
    BYTE    currentOperatingStatus3; /* 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    reportsToFollow;         /**/
    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;

/*****/
/* Meter Tbl Status Report 3byte V2 command class structs */
/*****/
typedef struct _ZW_METER_TBL_STATUS_REPORT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    reportsToFollow;         /**/
    BYTE    currentOperatingStatus1; /* MSB */
    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; /**/
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    reportsToFollow;    /**/
    BYTE    currentOperatingStatus1; /* MSB */
    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;

/*****
/* Meter Tbl Status Date Get V2 command class structs */
/*****/
typedef struct _ZW_METER_TBL_STATUS_DATE_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    maximumReports;    /**/
    BYTE    startYear1;        /* MSB */
    BYTE    startYear2;        /* LSB */
    BYTE    startMonth;        /**/
    BYTE    startDay;          /**/
    BYTE    startHourLocalTime; /**/
    BYTE    startMinuteLocalTime; /**/
    BYTE    startSecondLocalTime; /**/
    BYTE    stopYear1;         /* MSB */
    BYTE    stopYear2;         /* LSB */
    BYTE    stopMonth;         /**/
    BYTE    stopDay;           /**/
    BYTE    stopHourLocalTime; /**/
    BYTE    stopMinuteLocalTime; /**/
    BYTE    stopSecondLocalTime; /**/
} ZW_METER_TBL_STATUS_DATE_GET_V2_FRAME;

/*****
/* Meter Tbl Status Depth Get V2 command class structs */
/*****/
typedef struct _ZW_METER_TBL_STATUS_DEPTH_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    statusEventLogDepth; /**/
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_METER_TBL_STATUS_SUPPORTED_GET_V2_FRAME;

/*****
/* Meter Tbl Status Supported Report V2 command class structs */
/*****/
typedef struct _ZW_METER_TBL_STATUS_SUPPORTED_REPORT_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    supportedOperatingStatus1; /* MSB */
    BYTE    supportedOperatingStatus2;
    BYTE    supportedOperatingStatus3; /* LSB */
    BYTE    statusEventLogDepth;    /**/
} 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 */
    BYTE    cmd;                /* The command */
}

```

```

    BYTE    datasetRequested1;          /* MSB */
    BYTE    datasetRequested2;
    BYTE    datasetRequested3;          /* LSB */
} ZW_METER_TBL_CURRENT_DATA_GET_V2_FRAME;

/*****/
/* Meter Tbl Current Data Report V2 variant group structs */
/*****/
typedef struct _VG_METER_TBL_CURRENT_DATA_REPORT_V2_VG_
{
    BYTE    properties1;                /* masked byte */
    BYTE    currentValue1;              /* MSB */
    BYTE    currentValue2;
    BYTE    currentValue3;
    BYTE    currentValue4;              /* LSB */
} 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 */
    BYTE    cmd;                       /* The command */
    BYTE    reportsToFollow;           /**/
    BYTE    properties1;               /* masked byte */
    BYTE    dataset1;                  /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;                  /* LSB */
    BYTE    year1;                     /* MSB */
    BYTE    year2;                     /* LSB */
    BYTE    month;                     /**/
    BYTE    day;                       /**/
    BYTE    hourLocalTime;             /**/
    BYTE    minuteLocalTime;           /**/
    BYTE    secondLocalTime;           /**/
    VG_METER_TBL_CURRENT_DATA_REPORT_V2_VG variantgroup1; /**/
} ZW_METER_TBL_CURRENT_DATA_REPORT_1BYTE_V2_FRAME;

/*****/
/* Meter Tbl Current Data Report 2byte V2 command class structs */
/*****/
typedef struct _ZW_METER_TBL_CURRENT_DATA_REPORT_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    reportsToFollow;           /**/
    BYTE    properties1;               /* masked byte */
    BYTE    dataset1;                  /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;                  /* LSB */
    BYTE    year1;                     /* MSB */
    BYTE    year2;                     /* LSB */
    BYTE    month;                     /**/
    BYTE    day;                       /**/
    BYTE    hourLocalTime;             /**/
    BYTE    minuteLocalTime;           /**/
    BYTE    secondLocalTime;           /**/
    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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    reportsToFollow;           /**/
    BYTE    properties1;               /* masked byte */
    BYTE    dataset1;                  /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;                  /* LSB */
    BYTE    year1;                     /* MSB */
    BYTE    year2;                     /* LSB */
    BYTE    month;                     /**/
    BYTE    day;                       /**/
    BYTE    hourLocalTime;             /**/
    BYTE    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;

/*****/
/* Meter Tbl Current Data Report 4byte V2 command class structs */
/*****/
typedef struct _ZW_METER_TBL_CURRENT_DATA_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    reportsToFollow;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    dataset1;           /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;           /* LSB */
    BYTE    year1;              /* MSB */
    BYTE    year2;              /* LSB */
    BYTE    month;              /**/
    BYTE    day;                /**/
    BYTE    hourLocalTime;      /**/
    BYTE    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;          /**/
    VG_METER_TBL_CURRENT_DATA_REPORT_V2_VG variantgroup4;          /**/
} ZW_METER_TBL_CURRENT_DATA_REPORT_4BYTE_V2_FRAME;

/*****/
/* Meter Tbl Historical Data Get V2 command class structs */
/*****/
typedef struct _ZW_METER_TBL_HISTORICAL_DATA_GET_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    maximumReports;     /**/
    BYTE    historicalDatasetRequested1; /* MSB */
    BYTE    historicalDatasetRequested2;
    BYTE    historicalDatasetRequested3; /* LSB */
    BYTE    startYear1;         /* MSB */
    BYTE    startYear2;         /* LSB */
    BYTE    startMonth;         /**/
    BYTE    startDay;           /**/
    BYTE    startHourLocalTime; /**/
    BYTE    startMinuteLocalTime; /**/
    BYTE    startSecondLocalTime; /**/
    BYTE    stopYear1;          /* MSB */
    BYTE    stopYear2;          /* LSB */
    BYTE    stopMonth;          /**/
    BYTE    stopDay;            /**/
    BYTE    stopHourLocalTime;  /**/
    BYTE    stopMinuteLocalTime; /**/
    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_
{
    BYTE    properties1;        /* masked byte */
    BYTE    historicalValue1;    /* MSB */
    BYTE    historicalValue2;
    BYTE    historicalValue3;
    BYTE    historicalValue4;    /* LSB */
} 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    reportsToFollow;    /**/
    BYTE    properties1;        /* masked byte */
    BYTE    dataset1;           /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;           /* LSB */

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    BYTE    year1;                /* MSB */
    BYTE    year2;                /* LSB */
    BYTE    month;                /**/
    BYTE    day;                  /**/
    BYTE    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_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    reportsToFollow;      /**/
    BYTE    properties1;          /* masked byte */
    BYTE    dataset1;             /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;             /* LSB */
    BYTE    year1;                /* MSB */
    BYTE    year2;                /* LSB */
    BYTE    month;                /**/
    BYTE    day;                  /**/
    BYTE    hourLocalTime;        /**/
    BYTE    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;

/*****/
/* Meter Tbl Historical Data Report 3byte V2 command class structs */
/*****/
typedef struct _ZW_METER_TBL_HISTORICAL_DATA_REPORT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    reportsToFollow;      /**/
    BYTE    properties1;          /* masked byte */
    BYTE    dataset1;             /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;             /* LSB */
    BYTE    year1;                /* MSB */
    BYTE    year2;                /* LSB */
    BYTE    month;                /**/
    BYTE    day;                  /**/
    BYTE    hourLocalTime;        /**/
    BYTE    minuteLocalTime;      /**/
    BYTE    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;  /**/
} 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_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    reportsToFollow;      /**/
    BYTE    properties1;          /* masked byte */
    BYTE    dataset1;             /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;             /* LSB */
    BYTE    year1;                /* MSB */
    BYTE    year2;                /* LSB */
    BYTE    month;                /**/
    BYTE    day;                  /**/
    BYTE    hourLocalTime;        /**/
    BYTE    minuteLocalTime;      /**/
    BYTE    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;

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/*****
/* Meter Tbl Report V2 command class structs */
/*****/
typedef struct _ZW_METER_TBL_REPORT_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    datasetSupported1;   /* MSB */
    BYTE    datasetSupported2;
    BYTE    datasetSupported3;   /* LSB */
    BYTE    datasetHistorySupported1; /* MSB */
    BYTE    datasetHistorySupported2;
    BYTE    datasetHistorySupported3; /* LSB */
    BYTE    dataHistorySupported1; /* MSB */
    BYTE    dataHistorySupported2;
    BYTE    dataHistorySupported3; /* LSB */
} ZW_METER_TBL_REPORT_V2_FRAME;

/*****
/* Meter Tbl Table Capability Get V2 command class structs */
/*****/
typedef struct _ZW_METER_TBL_TABLE_CAPABILITY_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    meterIdCharacter1;
} ZW_METER_TBL_TABLE_ID_REPORT_1BYTE_V2_FRAME;

/*****
/* Meter Tbl Table Id Report 2byte V2 command class structs */
/*****/
typedef struct _ZW_METER_TBL_TABLE_ID_REPORT_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    meterIdCharacter1;   /* MSB */
    BYTE    meterIdCharacter2;   /* LSB */
} 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;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    meterIdCharacter1;   /* MSB */
    BYTE    meterIdCharacter2;
    BYTE    meterIdCharacter3;   /* LSB */
} ZW_METER_TBL_TABLE_ID_REPORT_3BYTE_V2_FRAME;

/*****
/* Meter Tbl Table Id Report 4byte V2 command class structs */
/*****/
typedef struct _ZW_METER_TBL_TABLE_ID_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */

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    BYTE      cmd;                                /* The command */
    BYTE      properties1;                        /* masked byte */
    BYTE      meterIdCharacter1;                 /* MSB */
    BYTE      meterIdCharacter2;
    BYTE      meterIdCharacter3;
    BYTE      meterIdCharacter4;                 /* LSB */
} ZW_METER_TBL_TABLE_ID_REPORT_4BYTE_V2_FRAME;

/*****/
/* Meter Tbl Table Point Adm No Get V2 command class structs */
/*****/
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_GET_V2_FRAME_
{
    BYTE      cmdClass;                          /* The command class */
    BYTE      cmd;                              /* The command */
} ZW_METER_TBL_TABLE_POINT_ADM_NO_GET_V2_FRAME;

/*****/
/* Meter Tbl Table Point Adm No Report 1byte V2 command class structs */
/*****/
typedef struct _ZW_METER_TBL_TABLE_POINT_ADM_NO_REPORT_1BYTE_V2_FRAME_
{
    BYTE      cmdClass;                          /* The command class */
    BYTE      cmd;                              /* The command */
    BYTE      properties1;                      /* masked byte */
    BYTE      meterPointAdmNumberCharacter1;
} 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 */
    BYTE      cmd;                              /* The command */
    BYTE      properties1;                      /* masked byte */
    BYTE      meterPointAdmNumberCharacter1; /* MSB */
    BYTE      meterPointAdmNumberCharacter2; /* LSB */
} 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_
{
    BYTE      cmdClass;                          /* The command class */
    BYTE      cmd;                              /* The command */
    BYTE      properties1;                      /* masked byte */
    BYTE      meterPointAdmNumberCharacter1; /* MSB */
    BYTE      meterPointAdmNumberCharacter2;
    BYTE      meterPointAdmNumberCharacter3; /* LSB */
} 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_
{
    BYTE      cmdClass;                          /* The command class */
    BYTE      cmd;                              /* The command */
    BYTE      properties1;                      /* masked byte */
    BYTE      meterPointAdmNumberCharacter1; /* MSB */
    BYTE      meterPointAdmNumberCharacter2;
    BYTE      meterPointAdmNumberCharacter3;
    BYTE      meterPointAdmNumberCharacter4; /* LSB */
} 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_
{
    BYTE      cmdClass;                          /* The command class */
    BYTE      cmd;                              /* The command */
} ZW_METER_TBL_PUSH_CONFIGURATION_GET_FRAME;

/*****/
/* Meter Tbl Push Configuration Report command class structs */
/*****/
typedef struct _ZW_METER_TBL_PUSH_CONFIGURATION_REPORT_FRAME_
{

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    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    pushDataset1;          /* MSB */
    BYTE    pushDataset2;
    BYTE    pushDataset3;          /* LSB */
    BYTE    intervalMonths;        /**/
    BYTE    intervalDays;          /**/
    BYTE    intervalHours;         /**/
    BYTE    intervalMinutes;       /**/
    BYTE    pushNodeId;            /**/
} ZW_METER_TBL_PUSH_CONFIGURATION_REPORT_FRAME;

/*****/
/* Meter Tbl Push Configuration Set command class structs */
/*****/
typedef struct _ZW_METER_TBL_PUSH_CONFIGURATION_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    pushDataset1;          /* MSB */
    BYTE    pushDataset2;
    BYTE    pushDataset3;          /* LSB */
    BYTE    intervalMonths;        /**/
    BYTE    intervalDays;          /**/
    BYTE    intervalHours;         /**/
    BYTE    intervalMinutes;       /**/
    BYTE    pushNodeId;            /**/
} ZW_METER_TBL_PUSH_CONFIGURATION_SET_FRAME;

/*****/
/* Meter Get command class structs */
/*****/
typedef struct _ZW_METER_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_METER_GET_FRAME;

/*****/
/* Meter Report 1byte command class structs */
/*****/
typedef struct _ZW_METER_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    meterType;              /**/
    BYTE    properties1;            /* masked byte */
    BYTE    meterValue1;
} ZW_METER_REPORT_1BYTE_FRAME;

/*****/
/* Meter Report 2byte command class structs */
/*****/
typedef struct _ZW_METER_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    meterType;              /**/
    BYTE    properties1;            /* masked byte */
    BYTE    meterValue1;            /* MSB */
    BYTE    meterValue2;            /* LSB */
} ZW_METER_REPORT_2BYTE_FRAME;

/*****/
/* Meter Report 3byte command class structs */
/*****/
typedef struct _ZW_METER_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    meterType;              /**/
    BYTE    properties1;            /* masked byte */
    BYTE    meterValue1;            /* MSB */
    BYTE    meterValue2;
    BYTE    meterValue3;            /* LSB */
} ZW_METER_REPORT_3BYTE_FRAME;

/*****/
/* Meter Report 4byte command class structs */

```

```

/*****/
typedef struct _ZW_METER_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    meterType;              /**/
    BYTE    properties1;            /* masked byte */
    BYTE    meterValue1;            /* MSB */
    BYTE    meterValue2;
    BYTE    meterValue3;
    BYTE    meterValue4;            /* LSB */
} ZW_METER_REPORT_4BYTE_FRAME;

/*****/
/* Meter Get V2 command class structs */
/*****/
typedef struct _ZW_METER_GET_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
} ZW_METER_GET_V2_FRAME;

/*****/
/* Meter Report 1byte V2 command class structs */
/*****/
typedef struct _ZW_METER_REPORT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    properties2;            /* masked byte */
    BYTE    meterValue1;
    BYTE    deltaTime1;            /* MSB */
    BYTE    deltaTime2;            /* LSB */
    BYTE    previousMeterValue1;
} ZW_METER_REPORT_1BYTE_V2_FRAME;

/*****/
/* Meter Report 2byte V2 command class structs */
/*****/
typedef struct _ZW_METER_REPORT_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    properties2;            /* masked byte */
    BYTE    meterValue1;            /* MSB */
    BYTE    meterValue2;            /* LSB */
    BYTE    deltaTime1;            /* MSB */
    BYTE    deltaTime2;            /* LSB */
    BYTE    previousMeterValue1;    /* MSB */
    BYTE    previousMeterValue2;    /* LSB */
} ZW_METER_REPORT_2BYTE_V2_FRAME;

/*****/
/* Meter Report 3byte V2 command class structs */
/*****/
typedef struct _ZW_METER_REPORT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    properties2;            /* masked byte */
    BYTE    meterValue1;            /* MSB */
    BYTE    meterValue2;
    BYTE    meterValue3;            /* LSB */
    BYTE    deltaTime1;            /* MSB */
    BYTE    deltaTime2;            /* LSB */
    BYTE    previousMeterValue1;    /* MSB */
    BYTE    previousMeterValue2;
    BYTE    previousMeterValue3;    /* LSB */
} ZW_METER_REPORT_3BYTE_V2_FRAME;

/*****/
/* Meter Report 4byte V2 command class structs */
/*****/
typedef struct _ZW_METER_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */

```

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    BYTE    properties1;           /* masked byte */
    BYTE    properties2;           /* masked byte */
    BYTE    meterValue1;           /* MSB */
    BYTE    meterValue2;
    BYTE    meterValue3;
    BYTE    meterValue4;           /* LSB */
    BYTE    deltaTime1;            /* MSB */
    BYTE    deltaTime2;            /* LSB */
    BYTE    previousMeterValue1;    /* MSB */
    BYTE    previousMeterValue2;
    BYTE    previousMeterValue3;
    BYTE    previousMeterValue4;    /* LSB */
} ZW_METER_REPORT_4BYTE_V2_FRAME;

/*****/
/* Meter Reset V2 command class structs */
/*****/
typedef struct _ZW_METER_RESET_V2_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                   /* The command */
} ZW_METER_RESET_V2_FRAME;

/*****/
/* Meter Supported Get V2 command class structs */
/*****/
typedef struct _ZW_METER_SUPPORTED_GET_V2_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                   /* The command */
} ZW_METER_SUPPORTED_GET_V2_FRAME;

/*****/
/* Meter Supported Report V2 command class structs */
/*****/
typedef struct _ZW_METER_SUPPORTED_REPORT_V2_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                   /* The command */
    BYTE    properties1;           /* masked byte */
    BYTE    properties2;           /* masked byte */
} ZW_METER_SUPPORTED_REPORT_V2_FRAME;

/*****/
/* Meter Get V3 command class structs */
/*****/
typedef struct _ZW_METER_GET_V3_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                   /* The command */
    BYTE    properties1;           /* masked byte */
} ZW_METER_GET_V3_FRAME;

/*****/
/* Meter Report 1byte V3 command class structs */
/*****/
typedef struct _ZW_METER_REPORT_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                   /* The command */
    BYTE    properties1;           /* masked byte */
    BYTE    properties2;           /* masked byte */
    BYTE    meterValue1;
    BYTE    deltaTime1;            /* MSB */
    BYTE    deltaTime2;            /* LSB */
    BYTE    previousMeterValue1;
} ZW_METER_REPORT_1BYTE_V3_FRAME;

/*****/
/* Meter Report 2byte V3 command class structs */
/*****/
typedef struct _ZW_METER_REPORT_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                   /* The command */
    BYTE    properties1;           /* masked byte */
    BYTE    properties2;           /* masked byte */
    BYTE    meterValue1;           /* MSB */
    BYTE    meterValue2;           /* LSB */
    BYTE    deltaTime1;            /* MSB */
    BYTE    deltaTime2;            /* LSB */
}

```

```

        BYTE    previousMeterValue1;          /* MSB */
        BYTE    previousMeterValue2;          /* LSB */
    } ZW_METER_REPORT_2BYTE_V3_FRAME;

/*****
/* Meter Report 3byte V3 command class structs */
*****/
typedef struct _ZW_METER_REPORT_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                               /* The command */
    BYTE    properties1;                       /* masked byte */
    BYTE    properties2;                       /* masked byte */
    BYTE    meterValue1;                       /* MSB */
    BYTE    meterValue2;
    BYTE    meterValue3;                       /* LSB */
    BYTE    deltaTime1;                       /* MSB */
    BYTE    deltaTime2;                       /* LSB */
    BYTE    previousMeterValue1;               /* MSB */
    BYTE    previousMeterValue2;
    BYTE    previousMeterValue3;               /* LSB */
} ZW_METER_REPORT_3BYTE_V3_FRAME;

/*****
/* Meter Report 4byte V3 command class structs */
*****/
typedef struct _ZW_METER_REPORT_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                               /* The command */
    BYTE    properties1;                       /* masked byte */
    BYTE    properties2;                       /* masked byte */
    BYTE    meterValue1;                       /* MSB */
    BYTE    meterValue2;
    BYTE    meterValue3;
    BYTE    meterValue4;                       /* LSB */
    BYTE    deltaTime1;                       /* MSB */
    BYTE    deltaTime2;                       /* LSB */
    BYTE    previousMeterValue1;               /* MSB */
    BYTE    previousMeterValue2;
    BYTE    previousMeterValue3;
    BYTE    previousMeterValue4;               /* LSB */
} ZW_METER_REPORT_4BYTE_V3_FRAME;

/*****
/* Meter Reset V3 command class structs */
*****/
typedef struct _ZW_METER_RESET_V3_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                               /* The command */
} ZW_METER_RESET_V3_FRAME;

/*****
/* Meter Supported Get V3 command class structs */
*****/
typedef struct _ZW_METER_SUPPORTED_GET_V3_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                               /* 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;                          /* The command class */
    BYTE    cmd;                               /* The command */
    BYTE    properties1;                       /* masked byte */
    BYTE    scaleSupported;                   /**/
} ZW_METER_SUPPORTED_REPORT_V3_FRAME;

/*****
/* Meter Get V4 command class structs */
*****/
typedef struct _ZW_METER_GET_V4_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                               /* 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_
{
    BYTE    cmdClass;                               /* The command class */
    BYTE    cmd;                                    /* The command */
    BYTE    properties1;                            /* masked byte */
    BYTE    properties2;                            /* masked byte */
    BYTE    meterValue1;
    BYTE    deltaTime1;                             /* MSB */
    BYTE    deltaTime2;                             /* LSB */
    BYTE    previousMeterValue1;
    BYTE    scale2;                                /**/
} 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    cmd;                                    /* The command */
    BYTE    properties1;                            /* masked byte */
    BYTE    properties2;                            /* masked byte */
    BYTE    meterValue1;                            /* MSB */
    BYTE    meterValue2;                            /* LSB */
    BYTE    deltaTime1;                             /* MSB */
    BYTE    deltaTime2;                             /* LSB */
    BYTE    previousMeterValue1;                    /* MSB */
    BYTE    previousMeterValue2;                    /* LSB */
    BYTE    scale2;                                /**/
} ZW_METER_REPORT_2BYTE_V4_FRAME;

/*****
/* Meter Report 3byte V4 command class structs */
*****/
typedef struct _ZW_METER_REPORT_3BYTE_V4_FRAME_
{
    BYTE    cmdClass;                               /* The command class */
    BYTE    cmd;                                    /* The command */
    BYTE    properties1;                            /* masked byte */
    BYTE    properties2;                            /* masked byte */
    BYTE    meterValue1;                            /* MSB */
    BYTE    meterValue2;
    BYTE    meterValue3;                            /* LSB */
    BYTE    deltaTime1;                             /* MSB */
    BYTE    deltaTime2;                             /* LSB */
    BYTE    previousMeterValue1;                    /* MSB */
    BYTE    previousMeterValue2;
    BYTE    previousMeterValue3;                    /* LSB */
    BYTE    scale2;                                /**/
} ZW_METER_REPORT_3BYTE_V4_FRAME;

/*****
/* Meter Report 4byte V4 command class structs */
*****/
typedef struct _ZW_METER_REPORT_4BYTE_V4_FRAME_
{
    BYTE    cmdClass;                               /* The command class */
    BYTE    cmd;                                    /* The command */
    BYTE    properties1;                            /* masked byte */
    BYTE    properties2;                            /* masked byte */
    BYTE    meterValue1;                            /* MSB */
    BYTE    meterValue2;
    BYTE    meterValue3;
    BYTE    meterValue4;                            /* LSB */
    BYTE    deltaTime1;                             /* MSB */
    BYTE    deltaTime2;                             /* LSB */
    BYTE    previousMeterValue1;                    /* MSB */
    BYTE    previousMeterValue2;
    BYTE    previousMeterValue3;
    BYTE    previousMeterValue4;                    /* LSB */
    BYTE    scale2;                                /**/
} ZW_METER_REPORT_4BYTE_V4_FRAME;

/*****
/* Meter Reset V4 command class structs */
*****/
```

```

/*****/
typedef struct _ZW_METER_RESET_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_METER_RESET_V4_FRAME;

/*****/
/* Meter Supported Get V4 command class structs */
/*****/
typedef struct _ZW_METER_SUPPORTED_GET_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_METER_SUPPORTED_GET_V4_FRAME;

/*****/
/* Meter Supported Report 1byte V4 command class structs */
/*****/
typedef struct _ZW_METER_SUPPORTED_REPORT_1BYTE_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    numberOfScaleSupportedBytesToFollow; /**/
    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 */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    numberOfScaleSupportedBytesToFollow; /**/
    BYTE    scaleSupported1;    /* MSB */
    BYTE    scaleSupported2;    /* LSB */
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    numberOfScaleSupportedBytesToFollow; /**/
    BYTE    scaleSupported1;    /* MSB */
    BYTE    scaleSupported2;
    BYTE    scaleSupported3;    /* LSB */
} ZW_METER_SUPPORTED_REPORT_3BYTE_V4_FRAME;

/*****/
/* Meter Supported Report 4byte V4 command class structs */
/*****/
typedef struct _ZW_METER_SUPPORTED_REPORT_4BYTE_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    numberOfScaleSupportedBytesToFollow; /**/
    BYTE    scaleSupported1;    /* MSB */
    BYTE    scaleSupported2;
    BYTE    scaleSupported3;
    BYTE    scaleSupported4;    /* LSB */
} ZW_METER_SUPPORTED_REPORT_4BYTE_V4_FRAME;

/*****/
/* Move To Position Get command class structs */
/*****/
typedef struct _ZW_MOVE_TO_POSITION_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
}
```

```

} ZW_MOVE_TO_POSITION_GET_FRAME;

/*****
/* Move To Position Report command class structs */
*****/
typedef struct _ZW_MOVE_TO_POSITION_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    value;             /**/
} ZW_MOVE_TO_POSITION_REPORT_FRAME;

/*****
/* Move To Position Set command class structs */
*****/
typedef struct _ZW_MOVE_TO_POSITION_SET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    value;             /**/
} ZW_MOVE_TO_POSITION_SET_FRAME;

/*****
/* Multi Channel Association Get V2 command class structs */
*****/
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_GET_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    groupingIdentifier; /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_GET_V2_FRAME;

/*****
/* Multi Channel Association Groupings Get V2 command class structs */
*****/
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_GROUPINGS_GET_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_MULTI_CHANNEL_ASSOCIATION_GROUPINGS_GET_V2_FRAME;

/*****
/* Multi Channel Association Groupings Report V2 command class structs */
*****/
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_GROUPINGS_REPORT_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    supportedGroupings; /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_GROUPINGS_REPORT_V2_FRAME;

/*****
/* Multi Channel Association Remove V2 variant group structs */
*****/
typedef struct _VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V2_VG_
{
    BYTE    multiChannelNodeId; /**/
    BYTE    properties1;        /* masked byte */
} VG_MULTI_CHANNEL_ASSOCIATION_REMOVE_V2_VG;

/*****
/* Multi Channel Association Remove 1byte V2 command class structs */
*****/
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    groupingIdentifier; /**/
    BYTE    nodeId1;
    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 */
    BYTE    cmd;               /* The command */

```

```

    BYTE    groupingIdentifier;          /**/
    BYTE    nodeId1;                    /* MSB */
    BYTE    nodeId2;                    /* LSB */
    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;          /**/
    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 */
/*****/
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    groupingIdentifier;          /**/
    BYTE    nodeId1;                    /* MSB */
    BYTE    nodeId2;                    /* LSB */
    BYTE    nodeId3;                    /* LSB */
    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;          /**/
    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_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    groupingIdentifier;          /**/
    BYTE    nodeId1;                    /* MSB */
    BYTE    nodeId2;                    /* LSB */
    BYTE    nodeId3;                    /* LSB */
    BYTE    nodeId4;                    /* LSB */
    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;          /**/
    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;

/*****/
/* Multi Channel Association Report V2 variant group structs */
/*****/
typedef struct _VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V2_VG_
{
    BYTE    multiChannelNodeId;          /**/
    BYTE    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_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    groupingIdentifier;          /**/
    BYTE    maxNodesSupported;          /**/
    BYTE    reportsToFollow;            /**/
    BYTE    nodeId1;                    /* MSB */
    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;          /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_1BYTE_V2_FRAME;

/*****/
/* Multi Channel Association Report 2byte V2 command class structs */
/*****/
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    groupingIdentifier;          /**/
    BYTE    maxNodesSupported;          /**/

```

```

    BYTE    reportsToFollow;          /**/
    BYTE    nodeId1;                  /* MSB */
    BYTE    nodeId2;                  /* LSB */
    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 */
/*****/
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    groupingIdentifier;         /**/
    BYTE    maxNodesSupported;          /**/
    BYTE    reportsToFollow;            /**/
    BYTE    nodeId1;                   /* MSB */
    BYTE    nodeId2;                   /* LSB */
    BYTE    nodeId3;                   /*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;          /**/
    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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    groupingIdentifier;         /**/
    BYTE    maxNodesSupported;          /**/
    BYTE    reportsToFollow;            /**/
    BYTE    nodeId1;                   /* MSB */
    BYTE    nodeId2;                   /* LSB */
    BYTE    nodeId3;                   /* LSB */
    BYTE    nodeId4;                   /*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;          /**/
    VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V2_VG variantgroup3;          /**/
    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_
{
    BYTE    multiChannelNodeId;         /**/
    BYTE    properties1;                /* masked 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 */
    BYTE    cmd;                       /* The command */
    BYTE    groupingIdentifier;         /**/
    BYTE    nodeId1;                   /*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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */

```

```

    BYTE    groupingIdentifier;          /**/
    BYTE    nodeId1;                    /* MSB */
    BYTE    nodeId2;                    /* LSB */
    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_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 */
/*****/
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_SET_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    groupingIdentifier;          /**/
    BYTE    nodeId1;                    /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;                    /* LSB */
    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_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_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    groupingIdentifier;          /**/
    BYTE    nodeId1;                    /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;
    BYTE    nodeId4;                    /* LSB */
    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_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_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    groupingIdentifier;          /**/
} 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_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                       /* The command */
} 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_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    supportedGroupings;          /**/
} 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_
{

```

```

    BYTE    multiChannelNodeId;          /**/
    BYTE    properties1;                  /* masked byte */
} 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_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    groupingIdentifier;            /**/
    BYTE    nodeId1;                       /* MSB */
    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_V3_VG variantgroup1; /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_1BYTE_V3_FRAME;

/*****/
/* Multi Channel Association Remove 2byte V3 command class structs */
/*****/
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REMOVE_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    groupingIdentifier;            /**/
    BYTE    nodeId1;                       /* MSB */
    BYTE    nodeId2;                       /* LSB */
    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_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_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    groupingIdentifier;            /**/
    BYTE    nodeId1;                       /* MSB */
    BYTE    nodeId2;                       /* LSB */
    BYTE    nodeId3;                       /* LSB */
    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_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_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    groupingIdentifier;            /**/
    BYTE    nodeId1;                       /* MSB */
    BYTE    nodeId2;                       /* LSB */
    BYTE    nodeId3;                       /* LSB */
    BYTE    nodeId4;                       /* LSB */
    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_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;

/*****/
/* Multi Channel Association Report V3 variant group structs */
/*****/
typedef struct _VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V3_VG_
{
    BYTE    multiChannelNodeId;          /**/
    BYTE    properties1;                  /* masked byte */
} VG_MULTI_CHANNEL_ASSOCIATION_REPORT_V3_VG;

```

```

/*****/
/* Multi Channel Association Report 1byte V3 command class structs */
/*****/
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    maxNodesSupported;       /**/
    BYTE    reportsToFollow;         /**/
    BYTE    nodeId1;
    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_V3_VG variantgroup1;    /**/
} ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_1BYTE_V3_FRAME;

/*****/
/* Multi Channel Association Report 2byte V3 command class structs */
/*****/
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    maxNodesSupported;       /**/
    BYTE    reportsToFollow;         /**/
    BYTE    nodeId1;                /* MSB */
    BYTE    nodeId2;                /* LSB */
    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_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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    maxNodesSupported;       /**/
    BYTE    reportsToFollow;         /**/
    BYTE    nodeId1;                /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;                /* LSB */
    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_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;

/*****/
/* Multi Channel Association Report 4byte V3 command class structs */
/*****/
typedef struct _ZW_MULTI_CHANNEL_ASSOCIATION_REPORT_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    maxNodesSupported;       /**/
    BYTE    reportsToFollow;         /**/
    BYTE    nodeId1;                /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;
    BYTE    nodeId4;                /* LSB */
    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_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_
{

```



```

    BYTE    multiChannelNodeId;          /**/
    BYTE    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_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    groupingIdentifier;            /**/
    BYTE    nodeId1;                       /**/
    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_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_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    groupingIdentifier;            /**/
    BYTE    nodeId1;                       /* MSB */
    BYTE    nodeId2;                       /* LSB */
    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_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_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    groupingIdentifier;            /**/
    BYTE    nodeId1;                       /* MSB */
    BYTE    nodeId2;                       /* MSB */
    BYTE    nodeId3;                       /* LSB */
    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_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_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    groupingIdentifier;            /**/
    BYTE    nodeId1;                       /* MSB */
    BYTE    nodeId2;                       /* MSB */
    BYTE    nodeId3;                       /* MSB */
    BYTE    nodeId4;                       /* LSB */
    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_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;

/*****
/* Multi Channel Capability Get V2 command class structs */
*****/
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_GET_V2_FRAME_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    properties1;                  /* masked 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    genericDeviceClass; /**/
    BYTE    specificDeviceClass; /**/
    BYTE    commandClass1;
} ZW_MULTI_CHANNEL_CAPABILITY_REPORT_1BYTE_V2_FRAME;

/*****
/* Multi Channel Capability Report 2byte V2 command class structs */
/*****/
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_REPORT_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    genericDeviceClass; /**/
    BYTE    specificDeviceClass; /**/
    BYTE    commandClass1;      /* MSB */
    BYTE    commandClass2;      /* LSB */
} ZW_MULTI_CHANNEL_CAPABILITY_REPORT_2BYTE_V2_FRAME;

/*****
/* Multi Channel Capability Report 3byte V2 command class structs */
/*****/
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_REPORT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    genericDeviceClass; /**/
    BYTE    specificDeviceClass; /**/
    BYTE    commandClass1;      /* MSB */
    BYTE    commandClass2;
    BYTE    commandClass3;      /* LSB */
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    genericDeviceClass; /**/
    BYTE    specificDeviceClass; /**/
    BYTE    commandClass1;      /* MSB */
    BYTE    commandClass2;
    BYTE    commandClass3;
    BYTE    commandClass4;      /* LSB */
} 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;                /* The command */
    BYTE    genericDeviceClass; /**/
    BYTE    specificDeviceClass; /**/
} 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_
{
    BYTE    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    reportsToFollow;    /**/
    BYTE    genericDeviceClass; /**/
    BYTE    specificDeviceClass; /**/
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    reportsToFollow;    /**/
    BYTE    genericDeviceClass; /**/
    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; /**/
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    reportsToFollow;    /**/
    BYTE    genericDeviceClass; /**/
    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;

/*****/
/* Multi Channel End Point Get V2 command class structs */
/*****/
typedef struct _ZW_MULTI_CHANNEL_END_POINT_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_MULTI_CHANNEL_END_POINT_GET_V2_FRAME;

/*****/
/* Multi Channel End Point Report V2 command class structs */
/*****/
typedef struct _ZW_MULTI_CHANNEL_END_POINT_REPORT_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
} ZW_MULTI_CHANNEL_END_POINT_REPORT_V2_FRAME;

/*****/
/* Multi Instance Get V2 command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */

```

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    BYTE      cmd;                                /* The command */
    BYTE      commandClass;                        /**/
} ZW_MULTI_INSTANCE_GET_V2_FRAME;

/*****/
/* Multi Instance Report V2 command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_REPORT_V2_FRAME_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      commandClass;                        /**/
    BYTE      properties1;                        /* masked byte */
} ZW_MULTI_INSTANCE_REPORT_V2_FRAME;

/*****/
/* Multi Channel Capability Get V3 command class structs */
/*****/
typedef struct _ZW_MULTI_CHANNEL_CAPABILITY_GET_V3_FRAME_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      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 */
    BYTE      cmd;                                /* The command */
    BYTE      properties1;                        /* masked byte */
    BYTE      genericDeviceClass;                 /**/
    BYTE      specificDeviceClass;                /**/
    BYTE      commandClass1;
} 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_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      properties1;                        /* masked byte */
    BYTE      genericDeviceClass;                 /**/
    BYTE      specificDeviceClass;                /**/
    BYTE      commandClass1;                      /* MSB */
    BYTE      commandClass2;                      /* LSB */
} 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_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      properties1;                        /* masked byte */
    BYTE      genericDeviceClass;                 /**/
    BYTE      specificDeviceClass;                /**/
    BYTE      commandClass1;                      /* MSB */
    BYTE      commandClass2;
    BYTE      commandClass3;                      /* 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_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      properties1;                        /* masked byte */
    BYTE      genericDeviceClass;                 /**/
    BYTE      specificDeviceClass;                /**/
    BYTE      commandClass1;                      /* MSB */
    BYTE      commandClass2;
    BYTE      commandClass3;
    BYTE      commandClass4;                      /* LSB */
}

```

```
} ZW_MULTI_CHANNEL_CAPABILITY_REPORT_4BYTE_V3_FRAME;

/*****/
/* Multi Channel End Point Find V3 command class structs */
/*****/
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    genericDeviceClass; /* */
    BYTE    specificDeviceClass; /* */
} 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;        /* masked byte */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    reportsToFollow;     /* */
    BYTE    genericDeviceClass; /* */
    BYTE    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    reportsToFollow;     /* */
    BYTE    genericDeviceClass; /* */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    reportsToFollow;     /* */
    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 */
    BYTE    cmd;                /* The command */
    BYTE    reportsToFollow;     /* */
    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; /* */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
} ZW_MULTI_CHANNEL_END_POINT_REPORT_V3_FRAME;

/*****/
/* Multi Instance Get V3 command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_GET_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    commandClass;       /**/
} ZW_MULTI_INSTANCE_GET_V3_FRAME;

/*****/
/* Multi Instance Report V3 command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_REPORT_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    commandClass;       /**/
    BYTE    properties1;        /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    genericDeviceClass; /**/
    BYTE    specificDeviceClass; /**/
    BYTE    commandClass1;
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    genericDeviceClass; /**/
    BYTE    specificDeviceClass; /**/
    BYTE    commandClass1;      /* MSB */
    BYTE    commandClass2;      /* LSB */
} 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_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    genericDeviceClass;     /**/
    BYTE    specificDeviceClass;    /**/
    BYTE    commandClass1;          /* MSB */
    BYTE    commandClass2;
    BYTE    commandClass3;          /* LSB */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    genericDeviceClass;     /**/
    BYTE    specificDeviceClass;    /**/
    BYTE    commandClass1;          /* MSB */
    BYTE    commandClass2;
    BYTE    commandClass3;
    BYTE    commandClass4;          /* LSB */
} ZW_MULTI_CHANNEL_CAPABILITY_REPORT_4BYTE_V4_FRAME;

/*****/
/* Multi Channel End Point Find V4 command class structs */
/*****/
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_V4_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    genericDeviceClass;     /**/
    BYTE    specificDeviceClass;    /**/
} ZW_MULTI_CHANNEL_END_POINT_FIND_V4_FRAME;

/*****/
/* Multi Channel End Point Find Report V4 variant group structs */
/*****/
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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    reportsToFollow;        /**/
    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 */
    BYTE    cmd;                    /* The command */
    BYTE    reportsToFollow;        /**/
    BYTE    genericDeviceClass;     /**/
    BYTE    specificDeviceClass;    /**/
    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    reportsToFollow;        /**/
    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;           /**/
} ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_3BYTE_V4_FRAME;

/*****/
/* Multi Channel End Point Find Report 4byte V4 command class structs */
/*****/
typedef struct _ZW_MULTI_CHANNEL_END_POINT_FIND_REPORT_4BYTE_V4_FRAME_
{
    BYTE        cmdClass;                      /* The command class */
    BYTE        cmd;                          /* The command */
    BYTE        reportsToFollow;               /**/
    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_
{
    BYTE        cmdClass;                      /* The command class */
    BYTE        cmd;                          /* The command */
} ZW_MULTI_CHANNEL_END_POINT_GET_V4_FRAME;

/*****/
/* Multi Channel End Point Report V4 command class structs */
/*****/
typedef struct _ZW_MULTI_CHANNEL_END_POINT_REPORT_V4_FRAME_
{
    BYTE        cmdClass;                      /* The command class */
    BYTE        cmd;                          /* The command */
    BYTE        properties1;                  /* masked byte */
    BYTE        properties2;                  /* masked byte */
    BYTE        properties3;                  /* masked byte */
} ZW_MULTI_CHANNEL_END_POINT_REPORT_V4_FRAME;

/*****/
/* Multi Instance Get V4 command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_GET_V4_FRAME_
{
    BYTE        cmdClass;                      /* The command class */
    BYTE        cmd;                          /* The command */
    BYTE        commandClass;                 /**/
} ZW_MULTI_INSTANCE_GET_V4_FRAME;

/*****/
/* Multi Instance Report V4 command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_REPORT_V4_FRAME_
{
    BYTE        cmdClass;                      /* The command class */
    BYTE        cmd;                          /* The command */
    BYTE        commandClass;                 /**/
    BYTE        properties1;                  /* masked byte */
} 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_
{
    BYTE        cmdClass;                      /* The command class */
    BYTE        cmd;                          /* The command */
    BYTE        properties1;                  /* masked byte */
} 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_
{
    BYTE        cmdClass;                      /* The command class */
    BYTE        cmd;                          /* The command */

```



```
    BYTE    properties1;                /* masked byte */
    BYTE    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 */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;                /* masked byte */
    BYTE    numberOfBitMasks;           /**/
    BYTE    aggregatedMembersBitMask1;  /* MSB */
    BYTE    aggregatedMembersBitMask2;  /* LSB */
} 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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;                /* masked byte */
    BYTE    numberOfBitMasks;           /**/
    BYTE    aggregatedMembersBitMask1;  /* MSB */
    BYTE    aggregatedMembersBitMask2;
    BYTE    aggregatedMembersBitMask3;  /* LSB */
} 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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;                /* masked byte */
    BYTE    numberOfBitMasks;           /**/
    BYTE    aggregatedMembersBitMask1;  /* MSB */
    BYTE    aggregatedMembersBitMask2;
    BYTE    aggregatedMembersBitMask3;
    BYTE    aggregatedMembersBitMask4;  /* LSB */
} ZW_MULTI_CHANNEL_AGGREGATED_MEMBERS_REPORT_4BYTE_V4_FRAME;

/*****/
/* Multi Instance Association Get command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    groupingIdentifier;         /**/
} ZW_MULTI_INSTANCE_ASSOCIATION_GET_FRAME;

/*****/
/* Multi Instance Association Groupings Get command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_GROUPINGS_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
} ZW_MULTI_INSTANCE_ASSOCIATION_GROUPINGS_GET_FRAME;

/*****/
/* Multi Instance Association Groupings Report command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_GROUPINGS_REPORT_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    supportedGroupings;         /**/
} ZW_MULTI_INSTANCE_ASSOCIATION_GROUPINGS_REPORT_FRAME;

/*****/
/* Multi Instance Association Remove variant group structs */
/*****/
typedef struct _VG_MULTI_INSTANCE_ASSOCIATION_REMOVE_VG_
{

```

```

    BYTE    multiInstanceNodeId;    /**/
    BYTE    instance;               /**/
} VG_MULTI_INSTANCE_ASSOCIATION_REMOVE_VG;

/*****/
/* Multi Instance Association Remove 1byte command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_REMOVE_1BYTE_FRAME_
{
    BYTE    cmdClass;               /* The command class */
    BYTE    cmd;                   /* The command */
    BYTE    groupingIdentifier;     /**/
    BYTE    nodeId1;               /**/
    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_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_
{
    BYTE    cmdClass;               /* The command class */
    BYTE    cmd;                   /* The command */
    BYTE    groupingIdentifier;     /**/
    BYTE    nodeId1;               /* MSB */
    BYTE    nodeId2;               /* LSB */
    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_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_
{
    BYTE    cmdClass;               /* The command class */
    BYTE    cmd;                   /* The command */
    BYTE    groupingIdentifier;     /**/
    BYTE    nodeId1;               /* MSB */
    BYTE    nodeId2;               /* MSB */
    BYTE    nodeId3;               /* LSB */
    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_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_
{
    BYTE    cmdClass;               /* The command class */
    BYTE    cmd;                   /* The command */
    BYTE    groupingIdentifier;     /**/
    BYTE    nodeId1;               /* MSB */
    BYTE    nodeId2;               /* MSB */
    BYTE    nodeId3;               /* MSB */
    BYTE    nodeId4;               /* LSB */
    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_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;

/*****/
/* Multi Instance Association Report variant group structs */
/*****/
typedef struct _VG_MULTI_INSTANCE_ASSOCIATION_REPORT_VG_
{
    BYTE    multiInstanceNodeId;    /**/
    BYTE    instance;               /**/
} VG_MULTI_INSTANCE_ASSOCIATION_REPORT_VG;

```

```

/*****
/* Multi Instance Association Report 1byte command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /* */
    BYTE    maxNodesSupported;   /* */
    BYTE    reportsToFollow;     /* */
    BYTE    nodeId1;
    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_INSTANCE_ASSOCIATION_REPORT_VG variantgroup1;  /* */
} ZW_MULTI_INSTANCE_ASSOCIATION_REPORT_1BYTE_FRAME;

/*****
/* Multi Instance Association Report 2byte command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /* */
    BYTE    maxNodesSupported;   /* */
    BYTE    reportsToFollow;     /* */
    BYTE    nodeId1;            /* MSB */
    BYTE    nodeId2;            /* LSB */
    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_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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /* */
    BYTE    maxNodesSupported;   /* */
    BYTE    reportsToFollow;     /* */
    BYTE    nodeId1;            /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;            /* LSB */
    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_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;

/*****
/* Multi Instance Association Report 4byte command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /* */
    BYTE    maxNodesSupported;   /* */
    BYTE    reportsToFollow;     /* */
    BYTE    nodeId1;            /* MSB */
    BYTE    nodeId2;
    BYTE    nodeId3;
    BYTE    nodeId4;            /* LSB */
    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_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_
{

```

```

    BYTE    multiInstanceNodeId;          /**/
    BYTE    instance;                     /**/
} VG_MULTI_INSTANCE_ASSOCIATION_SET_VG;

/*****
/* Multi Instance Association Set 1byte command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    groupingIdentifier;            /**/
    BYTE    nodeId1;                       /**/
    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_INSTANCE_ASSOCIATION_SET_VG variantgroup1;    /**/
} ZW_MULTI_INSTANCE_ASSOCIATION_SET_1BYTE_FRAME;

/*****
/* Multi Instance Association Set 2byte command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    groupingIdentifier;            /**/
    BYTE    nodeId1;                       /* MSB */
    BYTE    nodeId2;                       /* LSB */
    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_INSTANCE_ASSOCIATION_SET_VG variantgroup1;    /**/
    VG_MULTI_INSTANCE_ASSOCIATION_SET_VG variantgroup2;    /**/
} ZW_MULTI_INSTANCE_ASSOCIATION_SET_2BYTE_FRAME;

/*****
/* Multi Instance Association Set 3byte command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_ASSOCIATION_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    groupingIdentifier;            /**/
    BYTE    nodeId1;                       /* MSB */
    BYTE    nodeId2;                       /* MSB */
    BYTE    nodeId3;                       /* LSB */
    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_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_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    groupingIdentifier;            /**/
    BYTE    nodeId1;                       /* MSB */
    BYTE    nodeId2;                       /* MSB */
    BYTE    nodeId3;                       /* MSB */
    BYTE    nodeId4;                       /* LSB */
    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_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;

/*****
/* Multi Instance Get command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_GET_FRAME_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    commandClass;                  /**/
} ZW_MULTI_INSTANCE_GET_FRAME;

```

```

/*****
/* Multi Instance Report command class structs */
/*****/
typedef struct _ZW_MULTI_INSTANCE_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    commandClass;       /**/
    BYTE    instances;          /**/
} ZW_MULTI_INSTANCE_REPORT_FRAME;

/*****
/* Node Info Cached Get command class structs */
/*****/
typedef struct _ZW_NODE_INFO_CACHED_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /**/
    BYTE    properties1;        /* masked 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /**/
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    properties3;        /* masked byte */
    BYTE    reserved;           /**/
    BYTE    basicDeviceClass;    /**/
    BYTE    genericDeviceClass; /**/
    BYTE    specificDeviceClass; /**/
    BYTE    nonSecureCommandClass1;
    BYTE    securityScheme0Mark1; /* MSB */
    BYTE    securityScheme0Mark2; /* LSB */
    BYTE    securityScheme0CommandClass1;
} ZW_NODE_INFO_CACHED_REPORT_1BYTE_FRAME;

/*****
/* Node Info Cached Report 2byte command class structs */
/*****/
typedef struct _ZW_NODE_INFO_CACHED_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /**/
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    properties3;        /* masked byte */
    BYTE    reserved;           /**/
    BYTE    basicDeviceClass;    /**/
    BYTE    genericDeviceClass; /**/
    BYTE    specificDeviceClass; /**/
    BYTE    nonSecureCommandClass1; /* MSB */
    BYTE    nonSecureCommandClass2; /* LSB */
    BYTE    securityScheme0Mark1; /* MSB */
    BYTE    securityScheme0Mark2; /* LSB */
    BYTE    securityScheme0CommandClass1; /* MSB */
    BYTE    securityScheme0CommandClass2; /* LSB */
} ZW_NODE_INFO_CACHED_REPORT_2BYTE_FRAME;

/*****
/* Node Info Cached Report 3byte command class structs */
/*****/
typedef struct _ZW_NODE_INFO_CACHED_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /**/
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    properties3;        /* masked byte */
    BYTE    reserved;           /**/
    BYTE    basicDeviceClass;    /**/

```

```

    BYTE    genericDeviceClass;          /**/
    BYTE    specificDeviceClass;         /**/
    BYTE    nonSecureCommandClass1;      /* MSB */
    BYTE    nonSecureCommandClass2;
    BYTE    nonSecureCommandClass3;      /* LSB */
    BYTE    securityScheme0Mark1;        /* MSB */
    BYTE    securityScheme0Mark2;        /* LSB */
    BYTE    securityScheme0CommandClass1; /* MSB */
    BYTE    securityScheme0CommandClass2;
    BYTE    securityScheme0CommandClass3; /* LSB */
} ZW_NODE_INFO_CACHED_REPORT_3BYTE_FRAME;

/*****
/* Node Info Cached Report 4byte command class structs */
*****/
typedef struct _ZW_NODE_INFO_CACHED_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                         /* The command */
    BYTE    seqNo;                       /**/
    BYTE    properties1;                 /* masked byte */
    BYTE    properties2;                 /* masked byte */
    BYTE    properties3;                 /* masked byte */
    BYTE    reserved;                   /**/
    BYTE    basicDeviceClass;            /**/
    BYTE    genericDeviceClass;          /**/
    BYTE    specificDeviceClass;          /**/
    BYTE    nonSecureCommandClass1;      /* MSB */
    BYTE    nonSecureCommandClass2;
    BYTE    nonSecureCommandClass3;
    BYTE    nonSecureCommandClass4;      /* LSB */
    BYTE    securityScheme0Mark1;        /* MSB */
    BYTE    securityScheme0Mark2;        /* LSB */
    BYTE    securityScheme0CommandClass1; /* MSB */
    BYTE    securityScheme0CommandClass2;
    BYTE    securityScheme0CommandClass3;
    BYTE    securityScheme0CommandClass4; /* LSB */
} ZW_NODE_INFO_CACHED_REPORT_4BYTE_FRAME;

/*****
/* Node List Get command class structs */
*****/
typedef struct _ZW_NODE_LIST_GET_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                         /* The command */
    BYTE    seqNo;                       /**/
} ZW_NODE_LIST_GET_FRAME;

/*****
/* Node List Report 1byte command class structs */
*****/
typedef struct _ZW_NODE_LIST_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                         /* The command */
    BYTE    seqNo;                       /**/
    BYTE    status;                      /**/
    BYTE    nodeListControllerId;        /**/
    BYTE    nodeListData1;
} ZW_NODE_LIST_REPORT_1BYTE_FRAME;

/*****
/* Node List Report 2byte command class structs */
*****/
typedef struct _ZW_NODE_LIST_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                         /* The command */
    BYTE    seqNo;                       /**/
    BYTE    status;                      /**/
    BYTE    nodeListControllerId;        /**/
    BYTE    nodeListData1;               /* MSB */
    BYTE    nodeListData2;               /* LSB */
} ZW_NODE_LIST_REPORT_2BYTE_FRAME;

/*****
/* Node List Report 3byte command class structs */
*****/
typedef struct _ZW_NODE_LIST_REPORT_3BYTE_FRAME_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    status;                 /**/
    BYTE    nodeListControllerId;   /**/
    BYTE    nodeListData1;          /* MSB */
    BYTE    nodeListData2;
    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;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    status;                 /**/
    BYTE    nodeListControllerId;   /**/
    BYTE    nodeListData1;          /* MSB */
    BYTE    nodeListData2;
    BYTE    nodeListData3;
    BYTE    nodeListData4;          /* LSB */
} ZW_NODE_LIST_REPORT_4BYTE_FRAME;

/*****/
/* Node Info Cached Get V2 command class structs */
/*****/
typedef struct _ZW_NODE_INFO_CACHED_GET_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    properties1;            /* masked byte */
    BYTE    nodeId;                 /**/
} ZW_NODE_INFO_CACHED_GET_V2_FRAME;

/*****/
/* Node Info Cached Report 1byte V2 command class structs */
/*****/
typedef struct _ZW_NODE_INFO_CACHED_REPORT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    properties1;            /* masked byte */
    BYTE    properties2;            /* masked byte */
    BYTE    properties3;            /* masked byte */
    BYTE    grantedKeys;            /**/
    BYTE    basicDeviceClass;        /**/
    BYTE    genericDeviceClass;      /**/
    BYTE    specificDeviceClass;     /**/
    BYTE    nonSecureCommandClass1;
    BYTE    securityMark1;           /* MSB */
    BYTE    securityMark2;           /* LSB */
    BYTE    secureCommandClass1;
} 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 */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    properties1;            /* masked byte */
    BYTE    properties2;            /* masked byte */
    BYTE    properties3;            /* masked byte */
    BYTE    grantedKeys;            /**/
    BYTE    basicDeviceClass;        /**/
    BYTE    genericDeviceClass;      /**/
    BYTE    specificDeviceClass;     /**/
    BYTE    nonSecureCommandClass1;  /* MSB */
    BYTE    nonSecureCommandClass2;  /* LSB */
    BYTE    securityMark1;           /* MSB */
    BYTE    securityMark2;           /* LSB */
    BYTE    secureCommandClass1;     /* MSB */
    BYTE    secureCommandClass2;     /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /**/
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    properties3;        /* masked byte */
    BYTE    grantedKeys;        /**/
    BYTE    basicDeviceClass;    /**/
    BYTE    genericDeviceClass;  /**/
    BYTE    specificDeviceClass; /**/
    BYTE    nonSecureCommandClass1; /* MSB */
    BYTE    nonSecureCommandClass2;
    BYTE    nonSecureCommandClass3; /* LSB */
    BYTE    securityMark1;       /* MSB */
    BYTE    securityMark2;       /* LSB */
    BYTE    secureCommandClass1; /* MSB */
    BYTE    secureCommandClass2;
    BYTE    secureCommandClass3; /* LSB */
} ZW_NODE_INFO_CACHED_REPORT_3BYTE_V2_FRAME;

/*****
/* Node Info Cached Report 4byte V2 command class structs */
/*****/
typedef struct _ZW_NODE_INFO_CACHED_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /**/
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    properties3;        /* masked byte */
    BYTE    grantedKeys;        /**/
    BYTE    basicDeviceClass;    /**/
    BYTE    genericDeviceClass;  /**/
    BYTE    specificDeviceClass; /**/
    BYTE    nonSecureCommandClass1; /* MSB */
    BYTE    nonSecureCommandClass2;
    BYTE    nonSecureCommandClass3;
    BYTE    nonSecureCommandClass4; /* LSB */
    BYTE    securityMark1;       /* MSB */
    BYTE    securityMark2;       /* LSB */
    BYTE    secureCommandClass1; /* MSB */
    BYTE    secureCommandClass2;
    BYTE    secureCommandClass3;
    BYTE    secureCommandClass4; /* LSB */
} ZW_NODE_INFO_CACHED_REPORT_4BYTE_V2_FRAME;

/*****
/* Node List Get V2 command class structs */
/*****/
typedef struct _ZW_NODE_LIST_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    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 */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /**/
    BYTE    status;             /**/
    BYTE    nodeListControllerId; /**/
    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    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    status;                 /**/
    BYTE    nodeListControllerId;   /**/
    BYTE    nodeListData1;          /* MSB */
    BYTE    nodeListData2;          /* LSB */
} ZW_NODE_LIST_REPORT_2BYTE_V2_FRAME;

/*****
/* Node List Report 3byte V2 command class structs */
*****/
typedef struct _ZW_NODE_LIST_REPORT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    status;                 /**/
    BYTE    nodeListControllerId;   /**/
    BYTE    nodeListData1;          /* MSB */
    BYTE    nodeListData2;          /* LSB */
} ZW_NODE_LIST_REPORT_3BYTE_V2_FRAME;

/*****
/* Node List Report 4byte V2 command class structs */
*****/
typedef struct _ZW_NODE_LIST_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    status;                 /**/
    BYTE    nodeListControllerId;   /**/
    BYTE    nodeListData1;          /* MSB */
    BYTE    nodeListData2;
    BYTE    nodeListData3;
    BYTE    nodeListData4;          /* LSB */
} ZW_NODE_LIST_REPORT_4BYTE_V2_FRAME;

/*****
/* Learn Mode Set command class structs */
*****/
typedef struct _ZW_LEARN_MODE_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    reserved;               /**/
    BYTE    mode;                   /**/
} ZW_LEARN_MODE_SET_FRAME;

/*****
/* Learn Mode Set Status command class structs */
*****/
typedef struct _ZW_LEARN_MODE_SET_STATUS_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    status;                 /**/
    BYTE    reserved;               /**/
    BYTE    newNodeId;              /**/
} ZW_LEARN_MODE_SET_STATUS_FRAME;

/*****
/* Node Information Send command class structs */
*****/
typedef struct _ZW_NODE_INFORMATION_SEND_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    reserved;               /**/
    BYTE    destinationNodeId;      /**/
    BYTE    txOptions;              /**/
} ZW_NODE_INFORMATION_SEND_FRAME;

/*****
/* Network Update Request command class structs */
*****/

```

```

typedef struct _ZW_NETWORK_UPDATE_REQUEST_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      seqNo;             /**/
} 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 */
    BYTE      cmd;               /* The command */
    BYTE      seqNo;             /**/
    BYTE      status;            /**/
} ZW_NETWORK_UPDATE_REQUEST_STATUS_FRAME;

/*****/
/* Default Set command class structs */
/*****/
typedef struct _ZW_DEFAULT_SET_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      seqNo;             /**/
} ZW_DEFAULT_SET_FRAME;

/*****/
/* Default Set Complete command class structs */
/*****/
typedef struct _ZW_DEFAULT_SET_COMPLETE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      seqNo;             /**/
    BYTE      status;            /**/
} ZW_DEFAULT_SET_COMPLETE_FRAME;

/*****/
/* Learn Mode Set V2 command class structs */
/*****/
typedef struct _ZW_LEARN_MODE_SET_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      seqNo;             /**/
    BYTE      reserved;          /**/
    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 */
    BYTE      cmd;               /* The command */
    BYTE      seqNo;             /**/
    BYTE      status;            /**/
    BYTE      reserved;          /**/
    BYTE      newNodeId;         /**/
    BYTE      grantedKeys;       /**/
    BYTE      dsk1;              /* MSB */
    BYTE      dsk2;
    BYTE      dsk3;
    BYTE      dsk4;
    BYTE      dsk5;
    BYTE      dsk6;
    BYTE      dsk7;
    BYTE      dsk8;
    BYTE      dsk9;
    BYTE      dsk10;
    BYTE      dsk11;
    BYTE      dsk12;
    BYTE      dsk13;
    BYTE      dsk14;
    BYTE      dsk15;
    BYTE      dsk16;             /* LSB */
} ZW_LEARN_MODE_SET_STATUS_V2_FRAME;

```

```

/*****
/* Node Information Send V2 command class structs */
/*****/
typedef struct _ZW_NODE_INFORMATION_SEND_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /* */
    BYTE    reserved;           /* */
    BYTE    destinationNodeId;   /* */
    BYTE    txOptions;          /* */
} ZW_NODE_INFORMATION_SEND_V2_FRAME;

/*****
/* Network Update Request V2 command class structs */
/*****/
typedef struct _ZW_NETWORK_UPDATE_REQUEST_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /* */
    BYTE    status;             /* */
} ZW_NETWORK_UPDATE_REQUEST_STATUS_V2_FRAME;

/*****
/* Default Set V2 command class structs */
/*****/
typedef struct _ZW_DEFAULT_SET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /* */
} ZW_DEFAULT_SET_V2_FRAME;

/*****
/* Default Set Complete V2 command class structs */
/*****/
typedef struct _ZW_DEFAULT_SET_COMPLETE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /* */
    BYTE    status;             /* */
} ZW_DEFAULT_SET_COMPLETE_V2_FRAME;

/*****
/* Dsk Get V2 command class structs */
/*****/
typedef struct _ZW_DSK_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /* */
} ZW_DSK_GET_V2_FRAME;

/*****
/* Dsk Report V2 command class structs */
/*****/
typedef struct _ZW_DSK_REPORT_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /* */
    BYTE    dsk1;               /* MSB */
    BYTE    dsk2;
    BYTE    dsk3;
    BYTE    dsk4;
    BYTE    dsk5;
    BYTE    dsk6;
    BYTE    dsk7;
    BYTE    dsk8;
}

```

```

    BYTE    dsk9;
    BYTE    dsk10;
    BYTE    dsk11;
    BYTE    dsk12;
    BYTE    dsk13;
    BYTE    dsk14;
    BYTE    dsk15;
    BYTE    dsk16;                                /* LSB */
} ZW_DSK_REPORT_V2_FRAME;

/*****/
/* Failed Node Remove command class structs */
/*****/
typedef struct _ZW_FAILED_NODE_REMOVE_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    seqNo;                              /**/
    BYTE    nodeId;                             /**/
} ZW_FAILED_NODE_REMOVE_FRAME;

/*****/
/* Failed Node Remove Status command class structs */
/*****/
typedef struct _ZW_FAILED_NODE_REMOVE_STATUS_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    seqNo;                              /**/
    BYTE    status;                             /**/
    BYTE    nodeId;                             /**/
} ZW_FAILED_NODE_REMOVE_STATUS_FRAME;

/*****/
/* Node Add command class structs */
/*****/
typedef struct _ZW_NODE_ADD_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    seqNo;                              /**/
    BYTE    reserved;                           /**/
    BYTE    mode;                               /**/
    BYTE    txOptions;                           /**/
} ZW_NODE_ADD_FRAME;

/*****/
/* Node Add Status 1byte command class structs */
/*****/
typedef struct _ZW_NODE_ADD_STATUS_1BYTE_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    seqNo;                              /**/
    BYTE    status;                             /**/
    BYTE    reserved;                           /**/
    BYTE    newNodeId;                          /**/
    BYTE    nodeInfoLength;                     /**/
    BYTE    properties1;                        /* masked byte */
    BYTE    properties2;                        /* masked byte */
    BYTE    basicDeviceClass;                   /**/
    BYTE    genericDeviceClass;                 /**/
    BYTE    specificDeviceClass;                /**/
    BYTE    commandClass1;                      /**/
} ZW_NODE_ADD_STATUS_1BYTE_FRAME;

/*****/
/* Node Add Status 2byte command class structs */
/*****/
typedef struct _ZW_NODE_ADD_STATUS_2BYTE_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    seqNo;                              /**/
    BYTE    status;                             /**/
    BYTE    reserved;                           /**/
    BYTE    newNodeId;                          /**/
    BYTE    nodeInfoLength;                     /**/
    BYTE    properties1;                        /* masked byte */
    BYTE    properties2;                        /* masked byte */
    BYTE    basicDeviceClass;                   /**/

```

```

    BYTE    genericDeviceClass;        /**/
    BYTE    specificDeviceClass;       /**/
    BYTE    commandClass1;             /* MSB */
    BYTE    commandClass2;             /* LSB */
} ZW_NODE_ADD_STATUS_2BYTE_FRAME;

/*****/
/* Node Add Status 3byte command class structs */
/*****/
typedef struct _ZW_NODE_ADD_STATUS_3BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    seqNo;                     /**/
    BYTE    status;                    /**/
    BYTE    reserved;                  /**/
    BYTE    newNodeId;                 /**/
    BYTE    nodeInfoLength;            /**/
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    basicDeviceClass;          /**/
    BYTE    genericDeviceClass;        /**/
    BYTE    specificDeviceClass;       /**/
    BYTE    commandClass1;             /* MSB */
    BYTE    commandClass2;             /* LSB */
    BYTE    commandClass3;
} ZW_NODE_ADD_STATUS_3BYTE_FRAME;

/*****/
/* Node Add Status 4byte command class structs */
/*****/
typedef struct _ZW_NODE_ADD_STATUS_4BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    seqNo;                     /**/
    BYTE    status;                    /**/
    BYTE    reserved;                  /**/
    BYTE    newNodeId;                 /**/
    BYTE    nodeInfoLength;            /**/
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    basicDeviceClass;          /**/
    BYTE    genericDeviceClass;        /**/
    BYTE    specificDeviceClass;       /**/
    BYTE    commandClass1;             /* MSB */
    BYTE    commandClass2;             /* LSB */
    BYTE    commandClass3;
    BYTE    commandClass4;
} ZW_NODE_ADD_STATUS_4BYTE_FRAME;

/*****/
/* Node Remove command class structs */
/*****/
typedef struct _ZW_NODE_REMOVE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    seqNo;                     /**/
    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 */
    BYTE    cmd;                       /* The command */
    BYTE    seqNo;                     /**/
    BYTE    status;                    /**/
    BYTE    nodeId;                   /**/
} ZW_NODE_REMOVE_STATUS_FRAME;

/*****/
/* Failed Node Replace command class structs */
/*****/
typedef struct _ZW_FAILED_NODE_REPLACE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */

```

```

    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 */
    BYTE    cmd;               /* The command */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    seqNo;             /**/
    BYTE    nodeId;            /**/
} ZW_NODE_NEIGHBOR_UPDATE_REQUEST_FRAME;

/*****/
/* Node Neighbor Update Status command class structs */
/*****/
typedef struct _ZW_NODE_NEIGHBOR_UPDATE_STATUS_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    seqNo;             /**/
    BYTE    status;            /**/
} ZW_NODE_NEIGHBOR_UPDATE_STATUS_FRAME;

/*****/
/* Return Route Assign command class structs */
/*****/
typedef struct _ZW_RETURN_ROUTE_ASSIGN_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    seqNo;             /**/
    BYTE    sourceNodeId;       /**/
    BYTE    destinationNodeId;  /**/
} ZW_RETURN_ROUTE_ASSIGN_FRAME;

/*****/
/* Return Route Assign Complete command class structs */
/*****/
typedef struct _ZW_RETURN_ROUTE_ASSIGN_COMPLETE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    seqNo;             /**/
    BYTE    status;            /**/
} ZW_RETURN_ROUTE_ASSIGN_COMPLETE_FRAME;

/*****/
/* Return Route Delete command class structs */
/*****/
typedef struct _ZW_RETURN_ROUTE_DELETE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    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 */

```

```

    BYTE      cmd;                      /* The command */
    BYTE      seqNo;                    /**/
    BYTE      status;                   /**/
} ZW_RETURN_ROUTE_DELETE_COMPLETE_FRAME;

/*****
/* Failed Node Remove V2 command class structs */
*****/
typedef struct _ZW_FAILED_NODE_REMOVE_V2_FRAME_
{
    BYTE      cmdClass;                 /* The command class */
    BYTE      cmd;                      /* The command */
    BYTE      seqNo;                    /**/
    BYTE      nodeId;                   /**/
} ZW_FAILED_NODE_REMOVE_V2_FRAME;

/*****
/* Failed Node Remove Status V2 command class structs */
*****/
typedef struct _ZW_FAILED_NODE_REMOVE_STATUS_V2_FRAME_
{
    BYTE      cmdClass;                 /* The command class */
    BYTE      cmd;                      /* The command */
    BYTE      seqNo;                    /**/
    BYTE      status;                   /**/
    BYTE      nodeId;                   /**/
} ZW_FAILED_NODE_REMOVE_STATUS_V2_FRAME;

/*****
/* Node Add V2 command class structs */
*****/
typedef struct _ZW_NODE_ADD_V2_FRAME_
{
    BYTE      cmdClass;                 /* The command class */
    BYTE      cmd;                      /* The command */
    BYTE      seqNo;                    /**/
    BYTE      reserved;                 /**/
    BYTE      mode;                     /**/
    BYTE      txOptions;                /**/
} ZW_NODE_ADD_V2_FRAME;

/*****
/* Node Add Status 1byte V2 command class structs */
*****/
typedef struct _ZW_NODE_ADD_STATUS_1BYTE_V2_FRAME_
{
    BYTE      cmdClass;                 /* The command class */
    BYTE      cmd;                      /* The command */
    BYTE      seqNo;                    /**/
    BYTE      status;                   /**/
    BYTE      reserved;                 /**/
    BYTE      newNodeId;                /**/
    BYTE      nodeInfoLength;           /**/
    BYTE      properties1;              /* masked byte */
    BYTE      properties2;              /* masked byte */
    BYTE      basicDeviceClass;         /**/
    BYTE      genericDeviceClass;       /**/
    BYTE      specificDeviceClass;      /**/
    BYTE      nonSecureCommandClass1;
    BYTE      securityMark1;            /* MSB */
    BYTE      securityMark2;            /* LSB */
    BYTE      secureCommandClass1;
    BYTE      grantedKeys;              /**/
    BYTE      kexFailType;              /**/
} ZW_NODE_ADD_STATUS_1BYTE_V2_FRAME;

/*****
/* Node Add Status 2byte V2 command class structs */
*****/
typedef struct _ZW_NODE_ADD_STATUS_2BYTE_V2_FRAME_
{
    BYTE      cmdClass;                 /* The command class */
    BYTE      cmd;                      /* The command */
    BYTE      seqNo;                    /**/
    BYTE      status;                   /**/
    BYTE      reserved;                 /**/
    BYTE      newNodeId;                /**/
    BYTE      nodeInfoLength;           /**/
    BYTE      properties1;              /* masked byte */
    BYTE      properties2;              /* masked byte */
    BYTE      basicDeviceClass;         /**/

```

```

    BYTE    genericDeviceClass;    /**/
    BYTE    specificDeviceClass;    /**/
    BYTE    nonSecureCommandClass1;    /* MSB */
    BYTE    nonSecureCommandClass2;    /* LSB */
    BYTE    securityMark1;    /* MSB */
    BYTE    securityMark2;    /* LSB */
    BYTE    secureCommandClass1;    /* MSB */
    BYTE    secureCommandClass2;    /* LSB */
    BYTE    grantedKeys;    /**/
    BYTE    kekFailType;    /**/
} ZW_NODE_ADD_STATUS_2BYTE_V2_FRAME;

/*****/
/* Node Add Status 3byte V2 command class structs */
/*****/
typedef struct _ZW_NODE_ADD_STATUS_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;    /* The command class */
    BYTE    cmd;    /* The command */
    BYTE    seqNo;    /**/
    BYTE    status;    /**/
    BYTE    reserved;    /**/
    BYTE    newNodeId;    /**/
    BYTE    nodeInfoLength;    /**/
    BYTE    properties1;    /* masked byte */
    BYTE    properties2;    /* masked byte */
    BYTE    basicDeviceClass;    /**/
    BYTE    genericDeviceClass;    /**/
    BYTE    specificDeviceClass;    /**/
    BYTE    nonSecureCommandClass1;    /* MSB */
    BYTE    nonSecureCommandClass2;
    BYTE    nonSecureCommandClass3;    /* LSB */
    BYTE    securityMark1;    /* MSB */
    BYTE    securityMark2;    /* LSB */
    BYTE    secureCommandClass1;    /* MSB */
    BYTE    secureCommandClass2;
    BYTE    secureCommandClass3;    /* LSB */
    BYTE    grantedKeys;    /**/
    BYTE    kekFailType;    /**/
} ZW_NODE_ADD_STATUS_3BYTE_V2_FRAME;

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

/*****/
/* Node Remove V2 command class structs */
/*****/
typedef struct _ZW_NODE_REMOVE_V2_FRAME_
{
    BYTE    cmdClass;    /* The command class */
    BYTE    cmd;    /* The command */
    BYTE    seqNo;    /**/
    BYTE    reserved;    /**/

```



```

    BYTE    mode;                                /**/
} ZW_NODE_REMOVE_V2_FRAME;

/*****
/* Node Remove Status V2 command class structs */
*****/
typedef struct _ZW_NODE_REMOVE_STATUS_V2_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    seqNo;                              /**/
    BYTE    status;                             /**/
    BYTE    nodeId;                             /**/
} ZW_NODE_REMOVE_STATUS_V2_FRAME;

/*****
/* Failed Node Replace V2 command class structs */
*****/
typedef struct _ZW_FAILED_NODE_REPLACE_V2_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    seqNo;                              /**/
    BYTE    nodeId;                             /**/
    BYTE    txOptions;                           /**/
    BYTE    mode;                               /**/
} 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 */
    BYTE    cmd;                                /* The command */
    BYTE    seqNo;                              /**/
    BYTE    status;                             /**/
    BYTE    nodeId;                             /**/
    BYTE    grantedKeys;                         /**/
    BYTE    kekFailType;                        /**/
} ZW_FAILED_NODE_REPLACE_STATUS_V2_FRAME;

/*****
/* Node Neighbor Update Request V2 command class structs */
*****/
typedef struct _ZW_NODE_NEIGHBOR_UPDATE_REQUEST_V2_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    seqNo;                              /**/
    BYTE    nodeId;                             /**/
} ZW_NODE_NEIGHBOR_UPDATE_REQUEST_V2_FRAME;

/*****
/* Node Neighbor Update Status V2 command class structs */
*****/
typedef struct _ZW_NODE_NEIGHBOR_UPDATE_STATUS_V2_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    seqNo;                              /**/
    BYTE    status;                             /**/
} ZW_NODE_NEIGHBOR_UPDATE_STATUS_V2_FRAME;

/*****
/* Return Route Assign V2 command class structs */
*****/
typedef struct _ZW_RETURN_ROUTE_ASSIGN_V2_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    seqNo;                              /**/
    BYTE    sourceNodeId;                       /**/
    BYTE    destinationNodeId;                  /**/
} 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 */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    status;                 /**/
} ZW_RETURN_ROUTE_ASSIGN_COMPLETE_V2_FRAME;

/*****/
/* Return Route Delete V2 command class structs */
/*****/
typedef struct _ZW_RETURN_ROUTE_DELETE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    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 */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    properties1;            /* masked byte */
    BYTE    requestedKeys;          /**/
} ZW_NODE_ADD_KEYS_REPORT_V2_FRAME;

/*****/
/* Node Add Keys Set V2 command class structs */
/*****/
typedef struct _ZW_NODE_ADD_KEYS_SET_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    properties1;            /* masked byte */
    BYTE    grantedKeys;            /**/
} ZW_NODE_ADD_KEYS_SET_V2_FRAME;

/*****/
/* Node Add Dsk Report V2 command class structs */
/*****/
typedef struct _ZW_NODE_ADD_DSK_REPORT_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    properties1;            /* masked byte */
    BYTE    dsk1;                   /* MSB */
    BYTE    dsk2;
    BYTE    dsk3;
    BYTE    dsk4;
    BYTE    dsk5;
    BYTE    dsk6;
    BYTE    dsk7;
    BYTE    dsk8;
    BYTE    dsk9;
    BYTE    dsk10;
    BYTE    dsk11;
    BYTE    dsk12;
    BYTE    dsk13;
    BYTE    dsk14;
    BYTE    dsk15;
    BYTE    dsk16;                  /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /**/
    BYTE    properties1;        /* masked byte */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /**/
    BYTE    properties1;        /* masked byte */
    BYTE    inputDsk1;          /* MSB */
    BYTE    inputDsk2;          /* LSB */
} ZW_NODE_ADD_DSK_SET_2BYTE_V2_FRAME;

/*****/
/* Node Add Dsk Set 3byte V2 command class structs */
/*****/
typedef struct _ZW_NODE_ADD_DSK_SET_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /**/
    BYTE    properties1;        /* masked byte */
    BYTE    inputDsk1;          /* MSB */
    BYTE    inputDsk2;
    BYTE    inputDsk3;          /* LSB */
} ZW_NODE_ADD_DSK_SET_3BYTE_V2_FRAME;

/*****/
/* Node Add Dsk Set 4byte V2 command class structs */
/*****/
typedef struct _ZW_NODE_ADD_DSK_SET_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    seqNo;              /**/
    BYTE    properties1;        /* masked byte */
    BYTE    inputDsk1;          /* MSB */
    BYTE    inputDsk2;
    BYTE    inputDsk3;
    BYTE    inputDsk4;          /* LSB */
} ZW_NODE_ADD_DSK_SET_4BYTE_V2_FRAME;

/*****/
/* Node Naming Node Location Report command class structs */
/*****/
typedef struct _ZW_NODE_NAMING_NODE_LOCATION_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    level;              /* masked byte */
    BYTE    nodeLocationChar1;  /* MSB */
    BYTE    nodeLocationChar2;
    BYTE    nodeLocationChar3;
    BYTE    nodeLocationChar4;
    BYTE    nodeLocationChar5;
    BYTE    nodeLocationChar6;
    BYTE    nodeLocationChar7;
    BYTE    nodeLocationChar8;
    BYTE    nodeLocationChar9;
    BYTE    nodeLocationChar10;
    BYTE    nodeLocationChar11;
    BYTE    nodeLocationChar12;
    BYTE    nodeLocationChar13;
    BYTE    nodeLocationChar14;
    BYTE    nodeLocationChar15;
    BYTE    nodeLocationChar16; /* LSB */
} ZW_NODE_NAMING_NODE_LOCATION_REPORT_FRAME;

/*****/
/* Node Naming Node Location Set command class structs */
/*****/
```

```

typedef struct _ZW_NODE_NAMING_NODE_LOCATION_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    level;                  /* masked byte */
    BYTE    nodeLocationChar1;      /* MSB */
    BYTE    nodeLocationChar2;
    BYTE    nodeLocationChar3;
    BYTE    nodeLocationChar4;
    BYTE    nodeLocationChar5;
    BYTE    nodeLocationChar6;
    BYTE    nodeLocationChar7;
    BYTE    nodeLocationChar8;
    BYTE    nodeLocationChar9;
    BYTE    nodeLocationChar10;
    BYTE    nodeLocationChar11;
    BYTE    nodeLocationChar12;
    BYTE    nodeLocationChar13;
    BYTE    nodeLocationChar14;
    BYTE    nodeLocationChar15;
    BYTE    nodeLocationChar16;     /* LSB */
} ZW_NODE_NAMING_NODE_LOCATION_SET_FRAME;

/*****
/* Node Naming Node Location Get command class structs */
*****/
typedef struct _ZW_NODE_NAMING_NODE_LOCATION_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_NODE_NAMING_NODE_LOCATION_GET_FRAME;

/*****
/* Node Naming Node Name Get command class structs */
*****/
typedef struct _ZW_NODE_NAMING_NODE_NAME_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} 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    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    level;                  /* masked byte */
    BYTE    nodeNameChar1;          /* MSB */
    BYTE    nodeNameChar2;
    BYTE    nodeNameChar3;
    BYTE    nodeNameChar4;
    BYTE    nodeNameChar5;
    BYTE    nodeNameChar6;
    BYTE    nodeNameChar7;
    BYTE    nodeNameChar8;
    BYTE    nodeNameChar9;
    BYTE    nodeNameChar10;
    BYTE    nodeNameChar11;
    BYTE    nodeNameChar12;
    BYTE    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    level;                  /* masked byte */
    BYTE    nodeNameChar1;          /* MSB */
    BYTE    nodeNameChar2;
    BYTE    nodeNameChar3;
    BYTE    nodeNameChar4;
    BYTE    nodeNameChar5;
    BYTE    nodeNameChar6;

```

```

    BYTE    nodeNameChar7;
    BYTE    nodeNameChar8;
    BYTE    nodeNameChar9;
    BYTE    nodeNameChar10;
    BYTE    nodeNameChar11;
    BYTE    nodeNameChar12;
    BYTE    nodeNameChar13;
    BYTE    nodeNameChar14;
    BYTE    nodeNameChar15;
    BYTE    nodeNameChar16;          /* LSB */
} ZW_NODE_NAMING_NODE_NAME_SET_FRAME;

/*****
/* Powerlevel Get command class structs */
*****/
typedef struct _ZW_POWERLEVEL_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_POWERLEVEL_GET_FRAME;

/*****
/* Powerlevel Report command class structs */
*****/
typedef struct _ZW_POWERLEVEL_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    powerLevel;              /* */
    BYTE    timeout;                 /* */
} ZW_POWERLEVEL_REPORT_FRAME;

/*****
/* Powerlevel Set command class structs */
*****/
typedef struct _ZW_POWERLEVEL_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    powerLevel;              /* */
    BYTE    timeout;                 /* */
} ZW_POWERLEVEL_SET_FRAME;

/*****
/* Powerlevel Test Node Get command class structs */
*****/
typedef struct _ZW_POWERLEVEL_TEST_NODE_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_POWERLEVEL_TEST_NODE_GET_FRAME;

/*****
/* Powerlevel Test Node Report command class structs */
*****/
typedef struct _ZW_POWERLEVEL_TEST_NODE_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    testNodeid;              /* */
    BYTE    statusOfOperation;        /* */
    BYTE    testFrameCount1;          /* MSB */
    BYTE    testFrameCount2;          /* LSB */
} ZW_POWERLEVEL_TEST_NODE_REPORT_FRAME;

/*****
/* Powerlevel Test Node Set command class structs */
*****/
typedef struct _ZW_POWERLEVEL_TEST_NODE_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    testNodeid;              /* */
    BYTE    powerLevel;              /* */
    BYTE    testFrameCount1;          /* MSB */
    BYTE    testFrameCount2;          /* LSB */
} ZW_POWERLEVEL_TEST_NODE_SET_FRAME;

/*****
/* Cmd Encapsulation lbyte command class structs */
*****/

```

```

typedef struct _ZW_CMD_ENCAPSULATION_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    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 */
    BYTE    cmd;                /* The command */
    BYTE    data1;              /* MSB */
    BYTE    data2;              /* LSB */
} 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;
    BYTE    data3;              /* LSB */
} ZW_CMD_ENCAPSULATION_3BYTE_FRAME;

/*****
/* Cmd Encapsulation 4byte command class structs */
*****/
typedef struct _ZW_CMD_ENCAPSULATION_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    data1;              /* MSB */
    BYTE    data2;
    BYTE    data3;
    BYTE    data4;              /* LSB */
} ZW_CMD_ENCAPSULATION_4BYTE_FRAME;

/*****
/* Prepayment Balance Get command class structs */
*****/
typedef struct _ZW_PREPAYMENT_BALANCE_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
} ZW_PREPAYMENT_BALANCE_GET_FRAME;

/*****
/* Prepayment Balance Report command class structs */
*****/
typedef struct _ZW_PREPAYMENT_BALANCE_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    balanceValue1;      /* MSB */
    BYTE    balanceValue2;
    BYTE    balanceValue3;
    BYTE    balanceValue4;      /* LSB */
    BYTE    properties3;        /* masked byte */
    BYTE    debt1;              /* MSB */
    BYTE    debt2;
    BYTE    debt3;
    BYTE    debt4;              /* LSB */
    BYTE    properties4;        /* masked byte */
    BYTE    emerCredit1;        /* MSB */
    BYTE    emerCredit2;
    BYTE    emerCredit3;
    BYTE    emerCredit4;        /* LSB */
    BYTE    currency1;          /* MSB */
    BYTE    currency2;
    BYTE    currency3;          /* LSB */
    BYTE    debtRecoveryPercentage; /* */
} ZW_PREPAYMENT_BALANCE_REPORT_FRAME;

```

```

/*****
/* Prepayment Supported Get command class structs */
/*****/
typedef struct _ZW_PREPAYMENT_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_PREPAYMENT_SUPPORTED_GET_FRAME;

/*****
/* Prepayment Supported Report command class structs */
/*****/
typedef struct _ZW_PREPAYMENT_SUPPORTED_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
} ZW_PREPAYMENT_SUPPORTED_REPORT_FRAME;

/*****
/* Proprietary Get 1byte command class structs */
/*****/
typedef struct _ZW_PROPRIETARY_GET_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    data1;
} ZW_PROPRIETARY_GET_1BYTE_FRAME;

/*****
/* Proprietary Get 2byte command class structs */
/*****/
typedef struct _ZW_PROPRIETARY_GET_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    data1;              /* MSB */
    BYTE    data2;              /* LSB */
} ZW_PROPRIETARY_GET_2BYTE_FRAME;

/*****
/* Proprietary Get 3byte command class structs */
/*****/
typedef struct _ZW_PROPRIETARY_GET_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    data1;              /* MSB */
    BYTE    data2;
    BYTE    data3;              /* LSB */
} ZW_PROPRIETARY_GET_3BYTE_FRAME;

/*****
/* Proprietary Get 4byte command class structs */
/*****/
typedef struct _ZW_PROPRIETARY_GET_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    data1;              /* MSB */
    BYTE    data2;
    BYTE    data3;
    BYTE    data4;              /* LSB */
} ZW_PROPRIETARY_GET_4BYTE_FRAME;

/*****
/* Proprietary Report 1byte command class structs */
/*****/
typedef struct _ZW_PROPRIETARY_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    data1;
} ZW_PROPRIETARY_REPORT_1BYTE_FRAME;

/*****
/* Proprietary Report 2byte command class structs */
/*****/
typedef struct _ZW_PROPRIETARY_REPORT_2BYTE_FRAME_
{

```

```
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    data1;                   /* MSB */
    BYTE    data2;                   /* LSB */
} ZW_PROPRIETARY_REPORT_2BYTE_FRAME;

/*****
/* Proprietary Report 3byte command class structs */
*****/
typedef struct _ZW_PROPRIETARY_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    data1;                   /* MSB */
    BYTE    data2;
    BYTE    data3;                   /* LSB */
} ZW_PROPRIETARY_REPORT_3BYTE_FRAME;

/*****
/* Proprietary Report 4byte command class structs */
*****/
typedef struct _ZW_PROPRIETARY_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    data1;                   /* MSB */
    BYTE    data2;
    BYTE    data3;
    BYTE    data4;                   /* LSB */
} ZW_PROPRIETARY_REPORT_4BYTE_FRAME;

/*****
/* Proprietary Set 1byte command class structs */
*****/
typedef struct _ZW_PROPRIETARY_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    data1;
} ZW_PROPRIETARY_SET_1BYTE_FRAME;

/*****
/* Proprietary Set 2byte command class structs */
*****/
typedef struct _ZW_PROPRIETARY_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    data1;                   /* MSB */
    BYTE    data2;                   /* LSB */
} ZW_PROPRIETARY_SET_2BYTE_FRAME;

/*****
/* Proprietary Set 3byte command class structs */
*****/
typedef struct _ZW_PROPRIETARY_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    data1;                   /* MSB */
    BYTE    data2;
    BYTE    data3;                   /* LSB */
} ZW_PROPRIETARY_SET_3BYTE_FRAME;

/*****
/* Proprietary Set 4byte command class structs */
*****/
typedef struct _ZW_PROPRIETARY_SET_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    data1;                   /* MSB */
    BYTE    data2;
    BYTE    data3;
    BYTE    data4;                   /* LSB */
} ZW_PROPRIETARY_SET_4BYTE_FRAME;

/*****
/* Protection Get command class structs */
*****/
typedef struct _ZW_PROTECTION_GET_FRAME_
```



```

{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_PROTECTION_GET_FRAME;

/*****/
/* Protection Report command class structs */
/*****/
typedef struct _ZW_PROTECTION_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    protectionState;    /**/
} ZW_PROTECTION_REPORT_FRAME;

/*****/
/* Protection Set command class structs */
/*****/
typedef struct _ZW_PROTECTION_SET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    protectionState;    /**/
} ZW_PROTECTION_SET_FRAME;

/*****/
/* Protection Ec Get V2 command class structs */
/*****/
typedef struct _ZW_PROTECTION_EC_GET_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_PROTECTION_EC_GET_V2_FRAME;

/*****/
/* Protection Ec Report V2 command class structs */
/*****/
typedef struct _ZW_PROTECTION_EC_REPORT_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    nodeId;            /**/
} ZW_PROTECTION_EC_REPORT_V2_FRAME;

/*****/
/* Protection Ec Set V2 command class structs */
/*****/
typedef struct _ZW_PROTECTION_EC_SET_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    nodeId;            /**/
} ZW_PROTECTION_EC_SET_V2_FRAME;

/*****/
/* Protection Get V2 command class structs */
/*****/
typedef struct _ZW_PROTECTION_GET_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_PROTECTION_GET_V2_FRAME;

/*****/
/* Protection Report V2 command class structs */
/*****/
typedef struct _ZW_PROTECTION_REPORT_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
    BYTE    level2;            /* masked byte */
} ZW_PROTECTION_REPORT_V2_FRAME;

/*****/
/* Protection Set V2 command class structs */
/*****/
typedef struct _ZW_PROTECTION_SET_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */

```

```

    BYTE    level;                /* masked byte */
    BYTE    level2;               /* masked byte */
} ZW_PROTECTION_SET_V2_FRAME;

/*****
/* Protection Supported Get V2 command class structs */
*****/
typedef struct _ZW_PROTECTION_SUPPORTED_GET_V2_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                 /* The command */
} 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 */
    BYTE    cmd;                 /* The command */
    BYTE    level;               /* masked byte */
    BYTE    localProtectionState1; /* MSB */
    BYTE    localProtectionState2; /* LSB */
    BYTE    rfProtectionState1;   /* MSB */
    BYTE    rfProtectionState2;   /* LSB */
} ZW_PROTECTION_SUPPORTED_REPORT_V2_FRAME;

/*****
/* Protection Timeout Get V2 command class structs */
*****/
typedef struct _ZW_PROTECTION_TIMEOUT_GET_V2_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                 /* The command */
} ZW_PROTECTION_TIMEOUT_GET_V2_FRAME;

/*****
/* Protection Timeout Report V2 command class structs */
*****/
typedef struct _ZW_PROTECTION_TIMEOUT_REPORT_V2_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    timeout;              /**/
} ZW_PROTECTION_TIMEOUT_REPORT_V2_FRAME;

/*****
/* Protection Timeout Set V2 command class structs */
*****/
typedef struct _ZW_PROTECTION_TIMEOUT_SET_V2_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    timeout;              /**/
} ZW_PROTECTION_TIMEOUT_SET_V2_FRAME;

/*****
/* Rate Tbl Remove 1byte command class structs */
*****/
typedef struct _ZW_RATE_TBL_REMOVE_1BYTE_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    properties1;          /* masked byte */
    BYTE    rateParameterSetId1;
} ZW_RATE_TBL_REMOVE_1BYTE_FRAME;

/*****
/* Rate Tbl Remove 2byte command class structs */
*****/
typedef struct _ZW_RATE_TBL_REMOVE_2BYTE_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    properties1;          /* masked byte */
    BYTE    rateParameterSetId1;  /* MSB */
    BYTE    rateParameterSetId2;  /* LSB */
} ZW_RATE_TBL_REMOVE_2BYTE_FRAME;

/*****
/* Rate Tbl Remove 3byte command class structs */
*****/

```

```

/*****
typedef struct _ZW_RATE_TBL_REMOVE_3BYTE_FRAME_
{
    BYTE      cmdClass;                /* The command class */
    BYTE      cmd;                     /* The command */
    BYTE      properties1;              /* masked byte */
    BYTE      rateParameterSetId1;     /* MSB */
    BYTE      rateParameterSetId2;
    BYTE      rateParameterSetId3;     /* LSB */
} ZW_RATE_TBL_REMOVE_3BYTE_FRAME;

/*****
/* Rate Tbl Remove 4byte command class structs */
/*****
typedef struct _ZW_RATE_TBL_REMOVE_4BYTE_FRAME_
{
    BYTE      cmdClass;                /* The command class */
    BYTE      cmd;                     /* The command */
    BYTE      properties1;              /* masked byte */
    BYTE      rateParameterSetId1;     /* MSB */
    BYTE      rateParameterSetId2;
    BYTE      rateParameterSetId3;
    BYTE      rateParameterSetId4;     /* LSB */
} ZW_RATE_TBL_REMOVE_4BYTE_FRAME;

/*****
/* Rate Tbl Set 1byte command class structs */
/*****
typedef struct _ZW_RATE_TBL_SET_1BYTE_FRAME_
{
    BYTE      cmdClass;                /* The command class */
    BYTE      cmd;                     /* The command */
    BYTE      rateParameterSetId;      /**/
    BYTE      properties1;              /* masked byte */
    BYTE      rateCharacter1;
    BYTE      startHourLocalTime;      /**/
    BYTE      startMinuteLocalTime;    /**/
    BYTE      durationMinute1;         /* MSB */
    BYTE      durationMinute2;         /* LSB */
    BYTE      properties2;              /* masked byte */
    BYTE      minConsumptionValue1;    /* MSB */
    BYTE      minConsumptionValue2;
    BYTE      minConsumptionValue3;
    BYTE      minConsumptionValue4;    /* LSB */
    BYTE      maxConsumptionValue1;    /* MSB */
    BYTE      maxConsumptionValue2;
    BYTE      maxConsumptionValue3;
    BYTE      maxConsumptionValue4;    /* LSB */
    BYTE      properties3;              /* masked byte */
    BYTE      maxDemandValue1;         /* MSB */
    BYTE      maxDemandValue2;
    BYTE      maxDemandValue3;
    BYTE      maxDemandValue4;        /* LSB */
    BYTE      dcpRateId;               /**/
} ZW_RATE_TBL_SET_1BYTE_FRAME;

/*****
/* Rate Tbl Set 2byte command class structs */
/*****
typedef struct _ZW_RATE_TBL_SET_2BYTE_FRAME_
{
    BYTE      cmdClass;                /* The command class */
    BYTE      cmd;                     /* The command */
    BYTE      rateParameterSetId;      /**/
    BYTE      properties1;              /* masked byte */
    BYTE      rateCharacter1;          /* MSB */
    BYTE      rateCharacter2;          /* LSB */
    BYTE      startHourLocalTime;      /**/
    BYTE      startMinuteLocalTime;    /**/
    BYTE      durationMinute1;         /* MSB */
    BYTE      durationMinute2;         /* LSB */
    BYTE      properties2;              /* masked byte */
    BYTE      minConsumptionValue1;    /* MSB */
    BYTE      minConsumptionValue2;
    BYTE      minConsumptionValue3;
    BYTE      minConsumptionValue4;    /* LSB */
    BYTE      maxConsumptionValue1;    /* MSB */
    BYTE      maxConsumptionValue2;
    BYTE      maxConsumptionValue3;
    BYTE      maxConsumptionValue4;    /* LSB */
    BYTE      properties3;              /* masked byte */
}

```

```

    BYTE    maxDemandValue1;          /* MSB */
    BYTE    maxDemandValue2;
    BYTE    maxDemandValue3;
    BYTE    maxDemandValue4;          /* LSB */
    BYTE    dcpRateId;                /**/
} ZW_RATE_TBL_SET_2BYTE_FRAME;

/*****/
/* Rate Tbl Set 3byte command class structs */
/*****/
typedef struct _ZW_RATE_TBL_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    rateParameterSetId;       /**/
    BYTE    properties1;              /* masked byte */
    BYTE    rateCharacter1;           /* MSB */
    BYTE    rateCharacter2;
    BYTE    rateCharacter3;           /* LSB */
    BYTE    startHourLocalTime;       /**/
    BYTE    startMinuteLocalTime;     /**/
    BYTE    durationMinute1;          /* MSB */
    BYTE    durationMinute2;          /* LSB */
    BYTE    properties2;              /* masked byte */
    BYTE    minConsumptionValue1;     /* MSB */
    BYTE    minConsumptionValue2;
    BYTE    minConsumptionValue3;
    BYTE    minConsumptionValue4;     /* LSB */
    BYTE    maxConsumptionValue1;     /* MSB */
    BYTE    maxConsumptionValue2;
    BYTE    maxConsumptionValue3;
    BYTE    maxConsumptionValue4;     /* LSB */
    BYTE    properties3;              /* masked byte */
    BYTE    maxDemandValue1;          /* MSB */
    BYTE    maxDemandValue2;
    BYTE    maxDemandValue3;
    BYTE    maxDemandValue4;          /* LSB */
    BYTE    dcpRateId;                /**/
} ZW_RATE_TBL_SET_3BYTE_FRAME;

/*****/
/* Rate Tbl Set 4byte command class structs */
/*****/
typedef struct _ZW_RATE_TBL_SET_4BYTE_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    rateParameterSetId;       /**/
    BYTE    properties1;              /* masked byte */
    BYTE    rateCharacter1;           /* MSB */
    BYTE    rateCharacter2;
    BYTE    rateCharacter3;
    BYTE    rateCharacter4;           /* LSB */
    BYTE    startHourLocalTime;       /**/
    BYTE    startMinuteLocalTime;     /**/
    BYTE    durationMinute1;          /* MSB */
    BYTE    durationMinute2;          /* LSB */
    BYTE    properties2;              /* masked byte */
    BYTE    minConsumptionValue1;     /* MSB */
    BYTE    minConsumptionValue2;
    BYTE    minConsumptionValue3;
    BYTE    minConsumptionValue4;     /* LSB */
    BYTE    maxConsumptionValue1;     /* MSB */
    BYTE    maxConsumptionValue2;
    BYTE    maxConsumptionValue3;
    BYTE    maxConsumptionValue4;     /* LSB */
    BYTE    properties3;              /* masked byte */
    BYTE    maxDemandValue1;          /* MSB */
    BYTE    maxDemandValue2;
    BYTE    maxDemandValue3;
    BYTE    maxDemandValue4;          /* LSB */
    BYTE    dcpRateId;                /**/
} ZW_RATE_TBL_SET_4BYTE_FRAME;

/*****/
/* Rate Tbl Active Rate Get command class structs */
/*****/
typedef struct _ZW_RATE_TBL_ACTIVE_RATE_GET_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */

```

```

} ZW_RATE_TBL_ACTIVE_RATE_GET_FRAME;

/*****
/* Rate Tbl Active Rate Report command class structs */
*****/
typedef struct _ZW_RATE_TBL_ACTIVE_RATE_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    rateParameterSetId; /**/
} ZW_RATE_TBL_ACTIVE_RATE_REPORT_FRAME;

/*****
/* Rate Tbl Current Data Get command class structs */
*****/
typedef struct _ZW_RATE_TBL_CURRENT_DATA_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    rateParameterSetId; /**/
    BYTE    datasetRequested1;  /* MSB */
    BYTE    datasetRequested2;
    BYTE    datasetRequested3;  /* LSB */
} ZW_RATE_TBL_CURRENT_DATA_GET_FRAME;

/*****
/* Rate Tbl Current Data Report variant group structs */
*****/
typedef struct _VG_RATE_TBL_CURRENT_DATA_REPORT_VG_
{
    BYTE    properties1;        /* masked byte */
    BYTE    currentValue1;      /* MSB */
    BYTE    currentValue2;
    BYTE    currentValue3;
    BYTE    currentValue4;      /* LSB */
} VG_RATE_TBL_CURRENT_DATA_REPORT_VG;

/*****
/* Rate Tbl Current Data Report 1byte command class structs */
*****/
typedef struct _ZW_RATE_TBL_CURRENT_DATA_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    reportsToFollow;    /**/
    BYTE    rateParameterSetId; /**/
    BYTE    dataset1;           /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;           /* LSB */
    BYTE    year1;              /* MSB */
    BYTE    year2;              /* LSB */
    BYTE    month;              /**/
    BYTE    day;                /**/
    BYTE    hourLocalTime;      /**/
    BYTE    minuteLocalTime;    /**/
    BYTE    secondLocalTime;    /**/
    VG_RATE_TBL_CURRENT_DATA_REPORT_VG variantgroup1; /**/
} ZW_RATE_TBL_CURRENT_DATA_REPORT_1BYTE_FRAME;

/*****
/* Rate Tbl Current Data Report 2byte command class structs */
*****/
typedef struct _ZW_RATE_TBL_CURRENT_DATA_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    reportsToFollow;    /**/
    BYTE    rateParameterSetId; /**/
    BYTE    dataset1;           /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;           /* LSB */
    BYTE    year1;              /* MSB */
    BYTE    year2;              /* LSB */
    BYTE    month;              /**/
    BYTE    day;                /**/
    BYTE    hourLocalTime;      /**/
    BYTE    minuteLocalTime;    /**/
    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;

```

```

/*****
/* Rate Tbl Current Data Report 3byte command class structs */
*****/
typedef struct _ZW_RATE_TBL_CURRENT_DATA_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    reportsToFollow;        /**/
    BYTE    rateParameterSetId;     /**/
    BYTE    dataset1;               /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;              /* LSB */
    BYTE    year1;                  /* MSB */
    BYTE    year2;                  /* LSB */
    BYTE    month;                 /**/
    BYTE    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; /**/
} ZW_RATE_TBL_CURRENT_DATA_REPORT_3BYTE_FRAME;

/*****
/* Rate Tbl Current Data Report 4byte command class structs */
*****/
typedef struct _ZW_RATE_TBL_CURRENT_DATA_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    reportsToFollow;        /**/
    BYTE    rateParameterSetId;     /**/
    BYTE    dataset1;               /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;              /* LSB */
    BYTE    year1;                  /* MSB */
    BYTE    year2;                  /* LSB */
    BYTE    month;                 /**/
    BYTE    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;

/*****
/* Rate Tbl Get command class structs */
*****/
typedef struct _ZW_RATE_TBL_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    rateParameterSetId;     /**/
} ZW_RATE_TBL_GET_FRAME;

/*****
/* Rate Tbl Historical Data Get command class structs */
*****/
typedef struct _ZW_RATE_TBL_HISTORICAL_DATA_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    maximumReports;         /**/
    BYTE    rateParameterSetId;     /**/
    BYTE    datasetRequested1;      /* MSB */
    BYTE    datasetRequested2;
    BYTE    datasetRequested3;      /* LSB */
    BYTE    startYear1;             /* MSB */
    BYTE    startYear2;             /* LSB */
    BYTE    startMonth;            /**/
    BYTE    startDay;              /**/
    BYTE    startHourLocalTime;     /**/
    BYTE    startMinuteLocalTime;   /**/
    BYTE    startSecondLocalTime;   /**/
    BYTE    stopYear1;              /* MSB */
    BYTE    stopYear2;              /* LSB */
}
```

```

    BYTE    stopMonth;                /**/
    BYTE    stopDay;                  /**/
    BYTE    stopHourLocalTime;        /**/
    BYTE    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    properties1;              /* masked byte */
    BYTE    historicalValue1;         /* MSB */
    BYTE    historicalValue2;
    BYTE    historicalValue3;
    BYTE    historicalValue4;         /* LSB */
} VG_RATE_TBL_HISTORICAL_DATA_REPORT_VG;

/*****/
/* Rate Tbl Historical Data Report 1byte command class structs */
/*****/
typedef struct _ZW_RATE_TBL_HISTORICAL_DATA_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    reportsToFollow;          /**/
    BYTE    rateParameterSetId;       /**/
    BYTE    dataset1;                 /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;                /* LSB */
    BYTE    year1;                   /* MSB */
    BYTE    year2;                   /* LSB */
    BYTE    month;                   /**/
    BYTE    day;                     /**/
    BYTE    hourLocalTime;            /**/
    BYTE    minuteLocalTime;          /**/
    BYTE    secondLocalTime;          /**/
    VG_RATE_TBL_HISTORICAL_DATA_REPORT_VG variantgroup1; /**/
} ZW_RATE_TBL_HISTORICAL_DATA_REPORT_1BYTE_FRAME;

/*****/
/* Rate Tbl Historical Data Report 2byte command class structs */
/*****/
typedef struct _ZW_RATE_TBL_HISTORICAL_DATA_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    reportsToFollow;          /**/
    BYTE    rateParameterSetId;       /**/
    BYTE    dataset1;                 /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;                /* LSB */
    BYTE    year1;                   /* MSB */
    BYTE    year2;                   /* LSB */
    BYTE    month;                   /**/
    BYTE    day;                     /**/
    BYTE    hourLocalTime;            /**/
    BYTE    minuteLocalTime;          /**/
    BYTE    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    reportsToFollow;          /**/
    BYTE    rateParameterSetId;       /**/
    BYTE    dataset1;                 /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;                /* LSB */
    BYTE    year1;                   /* MSB */
    BYTE    year2;                   /* LSB */
    BYTE    month;                   /**/
    BYTE    day;                     /**/
    BYTE    hourLocalTime;            /**/

```

```
    BYTE    minuteLocalTime;          /**/
    BYTE    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_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    reportsToFollow;          /**/
    BYTE    rateParameterSetId;       /**/
    BYTE    dataset1;                 /* MSB */
    BYTE    dataset2;
    BYTE    dataset3;                 /* LSB */
    BYTE    year1;                    /* MSB */
    BYTE    year2;                    /* LSB */
    BYTE    month;                    /**/
    BYTE    day;                      /**/
    BYTE    hourLocalTime;            /**/
    BYTE    minuteLocalTime;          /**/
    BYTE    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_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    rateParameterSetId;       /**/
    BYTE    properties1;              /* masked byte */
    BYTE    rateCharacter1;
    BYTE    startHourLocalTime;       /**/
    BYTE    startMinuteLocalTime;     /**/
    BYTE    durationMinute1;          /* MSB */
    BYTE    durationMinute2;          /* LSB */
    BYTE    properties2;              /* masked byte */
    BYTE    minConsumptionValue1;     /* MSB */
    BYTE    minConsumptionValue2;
    BYTE    minConsumptionValue3;
    BYTE    minConsumptionValue4;     /* LSB */
    BYTE    maxConsumptionValue1;     /* MSB */
    BYTE    maxConsumptionValue2;
    BYTE    maxConsumptionValue3;
    BYTE    maxConsumptionValue4;     /* LSB */
    BYTE    properties3;              /* masked byte */
    BYTE    maxDemandValue1;          /* MSB */
    BYTE    maxDemandValue2;
    BYTE    maxDemandValue3;
    BYTE    maxDemandValue4;          /* LSB */
    BYTE    dcpRateId;                /**/
} ZW_RATE_TBL_REPORT_1BYTE_FRAME;

/*****/
/* Rate Tbl Report 2byte command class structs */
/*****/
typedef struct _ZW_RATE_TBL_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    rateParameterSetId;       /**/
    BYTE    properties1;              /* masked byte */
    BYTE    rateCharacter1;           /* MSB */
    BYTE    rateCharacter2;           /* LSB */
    BYTE    startHourLocalTime;       /**/
    BYTE    startMinuteLocalTime;     /**/
    BYTE    durationMinute1;          /* MSB */
    BYTE    durationMinute2;          /* LSB */
    BYTE    properties2;              /* masked byte */
    BYTE    minConsumptionValue1;     /* MSB */
    BYTE    minConsumptionValue2;
```



```

    BYTE    minConsumptionValue3;
    BYTE    minConsumptionValue4;
    BYTE    maxConsumptionValue1;
    BYTE    maxConsumptionValue2;
    BYTE    maxConsumptionValue3;
    BYTE    maxConsumptionValue4;
    BYTE    properties3;
    BYTE    maxDemandValue1;
    BYTE    maxDemandValue2;
    BYTE    maxDemandValue3;
    BYTE    maxDemandValue4;
    BYTE    dcpRateId;
} ZW_RATE_TBL_REPORT_2BYTE_FRAME;

/*****
/* Rate Tbl Report 3byte command class structs */
*****/
typedef struct _ZW_RATE_TBL_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;
    BYTE    cmd;
    BYTE    rateParameterSetId;
    BYTE    properties1;
    BYTE    rateCharacter1;
    BYTE    rateCharacter2;
    BYTE    rateCharacter3;
    BYTE    startHourLocalTime;
    BYTE    startMinuteLocalTime;
    BYTE    durationMinute1;
    BYTE    durationMinute2;
    BYTE    properties2;
    BYTE    minConsumptionValue1;
    BYTE    minConsumptionValue2;
    BYTE    minConsumptionValue3;
    BYTE    minConsumptionValue4;
    BYTE    maxConsumptionValue1;
    BYTE    maxConsumptionValue2;
    BYTE    maxConsumptionValue3;
    BYTE    maxConsumptionValue4;
    BYTE    properties3;
    BYTE    maxDemandValue1;
    BYTE    maxDemandValue2;
    BYTE    maxDemandValue3;
    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_
{
    BYTE    cmdClass;
    BYTE    cmd;
    BYTE    rateParameterSetId;
    BYTE    properties1;
    BYTE    rateCharacter1;
    BYTE    rateCharacter2;
    BYTE    rateCharacter3;
    BYTE    rateCharacter4;
    BYTE    startHourLocalTime;
    BYTE    startMinuteLocalTime;
    BYTE    durationMinute1;
    BYTE    durationMinute2;
    BYTE    properties2;
    BYTE    minConsumptionValue1;
    BYTE    minConsumptionValue2;
    BYTE    minConsumptionValue3;
    BYTE    minConsumptionValue4;
    BYTE    maxConsumptionValue1;
    BYTE    maxConsumptionValue2;
    BYTE    maxConsumptionValue3;
    BYTE    maxConsumptionValue4;
    BYTE    properties3;
    BYTE    maxDemandValue1;
    BYTE    maxDemandValue2;
    BYTE    maxDemandValue3;
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_RATE_TBL_SUPPORTED_GET_FRAME;

/*****
/* Rate Tbl Supported Report command class structs */
/*****/
typedef struct _ZW_RATE_TBL_SUPPORTED_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    ratesSupported;     /**/
    BYTE    parameterSetSupportedBitMask1; /* MSB */
    BYTE    parameterSetSupportedBitMask2; /* LSB */
} ZW_RATE_TBL_SUPPORTED_REPORT_FRAME;

/*****
/* Remote Association Activate command class structs */
/*****/
typedef struct _ZW_REMOTE_ASSOCIATION_ACTIVATE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /**/
} ZW_REMOTE_ASSOCIATION_ACTIVATE_FRAME;

/*****
/* Remote Association Configuration Get command class structs */
/*****/
typedef struct _ZW_REMOTE_ASSOCIATION_CONFIGURATION_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    localGroupingIdentifier; /**/
} ZW_REMOTE_ASSOCIATION_CONFIGURATION_GET_FRAME;

/*****
/* Remote Association Configuration Report command class structs */
/*****/
typedef struct _ZW_REMOTE_ASSOCIATION_CONFIGURATION_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    localGroupingIdentifier; /**/
    BYTE    remoteNodeid;       /**/
    BYTE    remoteGroupingIdentifier; /**/
} ZW_REMOTE_ASSOCIATION_CONFIGURATION_REPORT_FRAME;

/*****
/* Remote Association Configuration Set command class structs */
/*****/
typedef struct _ZW_REMOTE_ASSOCIATION_CONFIGURATION_SET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    localGroupingIdentifier; /**/
    BYTE    remoteNodeid;       /**/
    BYTE    remoteGroupingIdentifier; /**/
} ZW_REMOTE_ASSOCIATION_CONFIGURATION_SET_FRAME;

/*****
/* Scene Activation Set command class structs */
/*****/
typedef struct _ZW_SCENE_ACTIVATION_SET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sceneId;            /**/
    BYTE    dimmingDuration;    /**/
} ZW_SCENE_ACTIVATION_SET_FRAME;

/*****
/* Scene Actuator Conf Get command class structs */
/*****/
typedef struct _ZW_SCENE_ACTUATOR_CONF_GET_FRAME_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    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 */
    BYTE    cmd;                     /* The command */
    BYTE    sceneId;                 /**/
    BYTE    level;                   /**/
    BYTE    dimmingDuration;         /**/
} ZW_SCENE_ACTUATOR_CONF_REPORT_FRAME;

/*****/
/* Scene Actuator Conf Set command class structs */
/*****/
typedef struct _ZW_SCENE_ACTUATOR_CONF_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    sceneId;                 /**/
    BYTE    dimmingDuration;         /**/
    BYTE    level2;                  /* masked byte */
    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;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    groupId;                 /**/
} ZW_SCENE_CONTROLLER_CONF_GET_FRAME;

/*****/
/* Scene Controller Conf Report command class structs */
/*****/
typedef struct _ZW_SCENE_CONTROLLER_CONF_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    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;                 /**/
    BYTE    dimmingDuration;         /**/
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    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 */
    BYTE    cmd;                     /* The command */

```

```

        BYTE    userIdentifier;          /**/
        BYTE    enabled;                 /**/
    } ZW_SCHEDULE_ENTRY_LOCK_ENABLE_SET_FRAME;

/*****
/* Schedule Entry Lock Week Day Get command class structs */
*****/
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                         /* The command */
    BYTE    userIdentifier;              /**/
    BYTE    scheduleSlotId;              /**/
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET_FRAME;

/*****
/* Schedule Entry Lock Week Day Report command class structs */
*****/
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                         /* The command */
    BYTE    userIdentifier;              /**/
    BYTE    scheduleSlotId;              /**/
    BYTE    dayOfWeek;                   /**/
    BYTE    startHour;                   /**/
    BYTE    startMinute;                 /**/
    BYTE    stopHour;                    /**/
    BYTE    stopMinute;                  /**/
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_FRAME;

/*****
/* Schedule Entry Lock Week Day Set command class structs */
*****/
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                         /* The command */
    BYTE    setAction;                   /**/
    BYTE    userIdentifier;              /**/
    BYTE    scheduleSlotId;              /**/
    BYTE    dayOfWeek;                   /**/
    BYTE    startHour;                   /**/
    BYTE    startMinute;                 /**/
    BYTE    stopHour;                    /**/
    BYTE    stopMinute;                  /**/
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_FRAME;

/*****
/* Schedule Entry Lock Year Day Get command class structs */
*****/
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                         /* The command */
    BYTE    userIdentifier;              /**/
    BYTE    scheduleSlotId;              /**/
} ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_FRAME;

/*****
/* Schedule Entry Lock Year Day Report command class structs */
*****/
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                         /* The command */
    BYTE    userIdentifier;              /**/
    BYTE    scheduleSlotId;              /**/
    BYTE    startYear;                   /**/
    BYTE    startMonth;                  /**/
    BYTE    startDay;                    /**/
    BYTE    startHour;                   /**/
    BYTE    startMinute;                 /**/
    BYTE    stopYear;                    /**/
    BYTE    stopMonth;                   /**/
    BYTE    stopDay;                     /**/
    BYTE    stopHour;                    /**/
    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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    setAction;         /**/
    BYTE    userIdentifier;     /**/
    BYTE    scheduleSlotId;     /**/
    BYTE    startYear;          /**/
    BYTE    startMonth;         /**/
    BYTE    startDay;           /**/
    BYTE    startHour;          /**/
    BYTE    startMinute;        /**/
    BYTE    stopYear;           /**/
    BYTE    stopMonth;          /**/
    BYTE    stopDay;            /**/
    BYTE    stopHour;           /**/
    BYTE    stopMinute;         /**/
} ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_FRAME;

/* Schedule Entry Type Supported Get command class structs */
/*****
typedef struct _ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_FRAME;

/* Schedule Entry Type Supported Report command class structs */
/*****
typedef struct _ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    numberOfSlotsWeekDay; /**/
    BYTE    numberOfSlotsYearDay; /**/
} ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_REPORT_FRAME;

/* Schedule Entry Lock Enable All Set V2 command class structs */
/*****
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_ENABLE_ALL_SET_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    enabled;           /**/
} ZW_SCHEDULE_ENTRY_LOCK_ENABLE_ALL_SET_V2_FRAME;

/* Schedule Entry Lock Enable Set V2 command class structs */
/*****
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_ENABLE_SET_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    userIdentifier;     /**/
    BYTE    enabled;           /**/
} 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_SCHEDULE_ENTRY_LOCK_TIME_OFFSET_GET_V2_FRAME;

/* Schedule Entry Lock Time Offset Report V2 command class structs */
/*****
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;              /* masked byte */
    BYTE    minuteTzo;          /**/
    BYTE    level2;             /* masked byte */
}
```

```

} ZW_SCHEDULE_ENTRY_LOCK_TIME_OFFSET_REPORT_V2_FRAME;

/*****/
/* Schedule Entry Lock Time Offset Set V2 command class structs */
/*****/
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    level;              /* masked byte */
    BYTE    minuteTzo;          /* */
    BYTE    level2;             /* masked byte */
} ZW_SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_V2_FRAME;

/*****/
/* Schedule Entry Lock Week Day Get V2 command class structs */
/*****/
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    userIdentifier;      /* */
    BYTE    scheduleSlotId;      /* */
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    userIdentifier;      /* */
    BYTE    scheduleSlotId;      /* */
    BYTE    dayOfWeek;           /* */
    BYTE    startHour;           /* */
    BYTE    startMinute;         /* */
    BYTE    stopHour;            /* */
    BYTE    stopMinute;          /* */
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_V2_FRAME;

/*****/
/* Schedule Entry Lock Week Day Set V2 command class structs */
/*****/
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    setAction;           /* */
    BYTE    userIdentifier;      /* */
    BYTE    scheduleSlotId;      /* */
    BYTE    dayOfWeek;           /* */
    BYTE    startHour;           /* */
    BYTE    startMinute;         /* */
    BYTE    stopHour;            /* */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    userIdentifier;      /* */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    userIdentifier;      /* */
    BYTE    scheduleSlotId;      /* */
    BYTE    startYear;           /* */
    BYTE    startMonth;          /* */
    BYTE    startDay;            /* */
}

```

```

    BYTE    startHour;           /**/
    BYTE    startMinute;        /**/
    BYTE    stopYear;           /**/
    BYTE    stopMonth;          /**/
    BYTE    stopDay;            /**/
    BYTE    stopHour;           /**/
    BYTE    stopMinute;         /**/
} ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_V2_FRAME;

/*****/
/* Schedule Entry Lock Year Day Set V2 command class structs */
/*****/
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_V2_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    setAction;           /**/
    BYTE    userIdentifier;       /**/
    BYTE    scheduleSlotId;       /**/
    BYTE    startYear;           /**/
    BYTE    startMonth;          /**/
    BYTE    startDay;            /**/
    BYTE    startHour;           /**/
    BYTE    startMinute;         /**/
    BYTE    stopYear;           /**/
    BYTE    stopMonth;          /**/
    BYTE    stopDay;            /**/
    BYTE    stopHour;           /**/
    BYTE    stopMinute;         /**/
} ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_V2_FRAME;

/*****/
/* Schedule Entry Type Supported Get V2 command class structs */
/*****/
typedef struct _ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_V2_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
} 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_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    numberOfSlotsWeekDay; /**/
    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_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    enabled;             /**/
} ZW_SCHEDULE_ENTRY_LOCK_ENABLE_ALL_SET_V3_FRAME;

/*****/
/* Schedule Entry Lock Enable Set V3 command class structs */
/*****/
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_ENABLE_SET_V3_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    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_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
} 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
    BYTE    minuteTzo;         /**/
    BYTE    level2;            /* masked byte */
} 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
    BYTE    minuteTzo;         /**/
    BYTE    level2;            /* masked byte */
} ZW_SCHEDULE_ENTRY_LOCK_TIME_OFFSET_SET_V3_FRAME;

/*****
/* Schedule Entry Lock Week Day Get V3 command class structs */
/*****/
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET_V3_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    userIdentifier;     /**/
    BYTE    scheduleSlotId;     /**/
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_GET_V3_FRAME;

/*****
/* Schedule Entry Lock Week Day Report V3 command class structs */
/*****/
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_V3_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    userIdentifier;     /**/
    BYTE    scheduleSlotId;     /**/
    BYTE    dayOfWeek;         /**/
    BYTE    startHour;         /**/
    BYTE    startMinute;       /**/
    BYTE    stopHour;          /**/
    BYTE    stopMinute;        /**/
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_REPORT_V3_FRAME;

/*****
/* Schedule Entry Lock Week Day Set V3 command class structs */
/*****/
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_V3_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    setAction;         /**/
    BYTE    userIdentifier;     /**/
    BYTE    scheduleSlotId;     /**/
    BYTE    dayOfWeek;         /**/
    BYTE    startHour;         /**/
    BYTE    startMinute;       /**/
    BYTE    stopHour;          /**/
    BYTE    stopMinute;        /**/
} ZW_SCHEDULE_ENTRY_LOCK_WEEK_DAY_SET_V3_FRAME;

/*****
/* Schedule Entry Lock Year Day Get V3 command class structs */
/*****/
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_GET_V3_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    userIdentifier;     /**/
    BYTE    scheduleSlotId;     /**/
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    userIdentifier;     /**/
    BYTE    scheduleSlotId;     /**/
    BYTE    startYear;          /**/
    BYTE    startMonth;         /**/
    BYTE    startDay;           /**/
    BYTE    startHour;          /**/
    BYTE    startMinute;        /**/
    BYTE    stopYear;           /**/
    BYTE    stopMonth;          /**/
    BYTE    stopDay;            /**/
    BYTE    stopHour;           /**/
    BYTE    stopMinute;         /**/
} ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_REPORT_V3_FRAME;

/*****
/* Schedule Entry Lock Year Day Set V3 command class structs */
/*****
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    setAction;          /**/
    BYTE    userIdentifier;     /**/
    BYTE    scheduleSlotId;     /**/
    BYTE    startYear;          /**/
    BYTE    startMonth;         /**/
    BYTE    startDay;           /**/
    BYTE    startHour;          /**/
    BYTE    startMinute;        /**/
    BYTE    stopYear;           /**/
    BYTE    stopMonth;          /**/
    BYTE    stopDay;            /**/
    BYTE    stopHour;           /**/
    BYTE    stopMinute;         /**/
} ZW_SCHEDULE_ENTRY_LOCK_YEAR_DAY_SET_V3_FRAME;

/*****
/* Schedule Entry Type Supported Get V3 command class structs */
/*****
typedef struct _ZW_SCHEDULE_ENTRY_TYPE_SUPPORTED_GET_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    numberOfSlotsWeekDay; /**/
    BYTE    numberOfSlotsYearDay; /**/
    BYTE    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    userIdentifier;     /**/
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    userIdentifier;     /**/

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    BYTE    scheduleSlotId;          /**/
    BYTE    weekDayBitmask;          /**/
    BYTE    startHour;               /**/
    BYTE    startMinute;             /**/
    BYTE    durationHour;            /**/
    BYTE    durationMinute;          /**/
} ZW_SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_REPORT_V3_FRAME;

/*****/
/* Schedule Entry Lock Daily Repeating Set V3 command class structs */
/*****/
typedef struct _ZW_SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_SET_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    setAction;               /**/
    BYTE    userIdentifier;          /**/
    BYTE    scheduleSlotId;         /**/
    BYTE    weekDayBitmask;         /**/
    BYTE    startHour;              /**/
    BYTE    startMinute;            /**/
    BYTE    durationHour;           /**/
    BYTE    durationMinute;         /**/
} ZW_SCHEDULE_ENTRY_LOCK_DAILY_REPEATING_SET_V3_FRAME;

/*****/
/* Screen Attributes Get command class structs */
/*****/
typedef struct _ZW_SCREEN_ATTRIBUTES_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_SCREEN_ATTRIBUTES_GET_FRAME;

/*****/
/* Screen Attributes Report command class structs */
/*****/
typedef struct _ZW_SCREEN_ATTRIBUTES_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    numberOfCharactersPerLine; /**/
    BYTE    sizeOfLineBuffer;        /**/
    BYTE    numericalPresentationOfACharacter; /**/
} ZW_SCREEN_ATTRIBUTES_REPORT_FRAME;

/*****/
/* Screen Attributes Get V2 command class structs */
/*****/
typedef struct _ZW_SCREEN_ATTRIBUTES_GET_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_SCREEN_ATTRIBUTES_GET_V2_FRAME;

/*****/
/* Screen Attributes Report V2 command class structs */
/*****/
typedef struct _ZW_SCREEN_ATTRIBUTES_REPORT_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    numberOfCharactersPerLine; /**/
    BYTE    sizeOfLineBuffer;        /**/
    BYTE    numericalPresentationOfACharacter; /**/
    BYTE    screenTimeout;           /**/
} ZW_SCREEN_ATTRIBUTES_REPORT_V2_FRAME;

/*****/
/* Screen Md Get command class structs */
/*****/
typedef struct _ZW_SCREEN_MD_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    numberOfReports;         /**/
    BYTE    nodeId;                  /**/
} ZW_SCREEN_MD_GET_FRAME;

```

```

/*****
/* Screen Md Report variant group structs */
/*****/
typedef struct _VG_SCREEN_MD_REPORT_1BYTE_VG_
{
    BYTE    properties1;           /* masked byte */
    BYTE    characterPosition;     /**/
    BYTE    numberOfCharacters;    /**/
    BYTE    character1;
} VG_SCREEN_MD_REPORT_1BYTE_VG;

/*****
/* Screen Md Report variant group structs */
/*****/
typedef struct _VG_SCREEN_MD_REPORT_2BYTE_VG_
{
    BYTE    properties1;           /* masked byte */
    BYTE    characterPosition;     /**/
    BYTE    numberOfCharacters;    /**/
    BYTE    character1;           /* MSB */
    BYTE    character2;           /* LSB */
} VG_SCREEN_MD_REPORT_2BYTE_VG;

/*****
/* Screen Md Report variant group structs */
/*****/
typedef struct _VG_SCREEN_MD_REPORT_3BYTE_VG_
{
    BYTE    properties1;           /* masked byte */
    BYTE    characterPosition;     /**/
    BYTE    numberOfCharacters;    /**/
    BYTE    character1;           /* MSB */
    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_
{
    BYTE    properties1;           /* masked byte */
    BYTE    characterPosition;     /**/
    BYTE    numberOfCharacters;    /**/
    BYTE    character1;           /* MSB */
    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_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    properties1;          /* masked byte */
    VG_SCREEN_MD_REPORT_4BYTE_VG variantgroup1; /**/
} ZW_SCREEN_MD_REPORT_1BYTE_FRAME;

/*****
/* Screen Md Report 2byte command class structs */
/*****/
typedef struct _ZW_SCREEN_MD_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    properties1;          /* masked byte */
    VG_SCREEN_MD_REPORT_4BYTE_VG variantgroup1; /**/
    VG_SCREEN_MD_REPORT_4BYTE_VG variantgroup2; /**/
} ZW_SCREEN_MD_REPORT_2BYTE_FRAME;

/*****
/* Screen Md Report 3byte command class structs */
/*****/
typedef struct _ZW_SCREEN_MD_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;             /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    properties1;          /* masked 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      cmdClass;          /* The command class */
    BYTE      cmd;              /* The command */
    BYTE      properties1;      /* masked byte */
    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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;              /* The command */
    BYTE      numberOfReports;   /**/
    BYTE      nodeId;           /**/
} ZW_SCREEN_MD_GET_V2_FRAME;

/*****
/* Screen Md Report V2 variant group structs */
*****/
typedef struct _VG_SCREEN_MD_REPORT_1BYTE_V2_VG_
{
    BYTE      properties1;      /* masked byte */
    BYTE      characterPosition; /**/
    BYTE      numberOfCharacters; /**/
    BYTE      character1;
} VG_SCREEN_MD_REPORT_1BYTE_V2_VG;

/*****
/* Screen Md Report V2 variant group structs */
*****/
typedef struct _VG_SCREEN_MD_REPORT_2BYTE_V2_VG_
{
    BYTE      properties1;      /* masked byte */
    BYTE      characterPosition; /**/
    BYTE      numberOfCharacters; /**/
    BYTE      character1;       /* MSB */
    BYTE      character2;       /* LSB */
} VG_SCREEN_MD_REPORT_2BYTE_V2_VG;

/*****
/* Screen Md Report V2 variant group structs */
*****/
typedef struct _VG_SCREEN_MD_REPORT_3BYTE_V2_VG_
{
    BYTE      properties1;      /* masked byte */
    BYTE      characterPosition; /**/
    BYTE      numberOfCharacters; /**/
    BYTE      character1;       /* MSB */
    BYTE      character2;
    BYTE      character3;       /* LSB */
} VG_SCREEN_MD_REPORT_3BYTE_V2_VG;

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

/*****/

```

```
/* Screen Md Report 1byte V2 command class structs */
/*****
typedef struct _ZW_SCREEN_MD_REPORT_1BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    VG_SCREEN_MD_REPORT_4BYTE_V2_VG variantgroup1;    /**/
    BYTE      properties2;       /* masked byte */
} ZW_SCREEN_MD_REPORT_1BYTE_V2_FRAME;

/****
/* Screen Md Report 2byte V2 command class structs */
/*****
typedef struct _ZW_SCREEN_MD_REPORT_2BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    VG_SCREEN_MD_REPORT_4BYTE_V2_VG variantgroup1;    /**/
    VG_SCREEN_MD_REPORT_4BYTE_V2_VG variantgroup2;    /**/
    BYTE      properties2;       /* masked byte */
} ZW_SCREEN_MD_REPORT_2BYTE_V2_FRAME;

/****
/* Screen Md Report 3byte V2 command class structs */
/*****
typedef struct _ZW_SCREEN_MD_REPORT_3BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    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;       /* masked byte */
} ZW_SCREEN_MD_REPORT_3BYTE_V2_FRAME;

/****
/* Screen Md Report 4byte V2 command class structs */
/*****
typedef struct _ZW_SCREEN_MD_REPORT_4BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    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;       /* masked byte */
} ZW_SCREEN_MD_REPORT_4BYTE_V2_FRAME;

/****
/* Security Panel Mode Get command class structs */
/*****
typedef struct _ZW_SECURITY_PANEL_MODE_GET_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_SECURITY_PANEL_MODE_GET_FRAME;

/****
/* Security Panel Mode Report command class structs */
/*****
typedef struct _ZW_SECURITY_PANEL_MODE_REPORT_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      mode;              /**/
} ZW_SECURITY_PANEL_MODE_REPORT_FRAME;

/****
/* Security Panel Mode Set command class structs */
/*****
typedef struct _ZW_SECURITY_PANEL_MODE_SET_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_SECURITY_PANEL_MODE_SUPPORTED_GET_FRAME;

/*****
/* Security Panel Mode Supported Report command class structs */
/*****/
typedef struct _ZW_SECURITY_PANEL_MODE_SUPPORTED_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    supportedModeBitMask1; /* MSB */
    BYTE    supportedModeBitMask2; /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    zoneNumber;         /**/
    BYTE    numberOfSensors;     /**/
} ZW_SECURITY_PANEL_ZONE_SENSOR_INSTALLED_REPORT_FRAME;

/*****
/* Security Panel Zone Sensor Type Get command class structs */
/*****/
typedef struct _ZW_SECURITY_PANEL_ZONE_SENSOR_TYPE_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    zoneNumber;         /**/
    BYTE    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    zoneNumber;         /**/
} ZW_SECURITY_PANEL_ZONE_SENSOR_INSTALLED_GET_FRAME;

/*****
/* Security Panel Zone Sensor State Get command class structs */
/*****/
typedef struct _ZW_SECURITY_PANEL_ZONE_SENSOR_STATE_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    zoneNumber;         /**/
    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_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    zoneNumber;             /**/
    BYTE    sensorNumber;           /**/
    BYTE    zwaveAlarmType;         /**/
    BYTE    zwaveAlarmEvent;        /**/
    BYTE    eventParameters;        /**/
} ZW_SECURITY_PANEL_ZONE_SENSOR_STATE_REPORT_FRAME;

/*****/
/* Security Panel Zone Number Supported Get command class structs */
/*****/
typedef struct _ZW_SECURITY_PANEL_ZONE_NUMBER_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_SECURITY_PANEL_ZONE_NUMBER_SUPPORTED_GET_FRAME;

/*****/
/* Security Panel Zone State Get command class structs */
/*****/
typedef struct _ZW_SECURITY_PANEL_ZONE_STATE_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    zoneNumber;             /**/
} 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 */
    BYTE    cmd;                    /* The command */
    BYTE    zoneNumber;             /**/
    BYTE    zoneState;              /**/
} ZW_SECURITY_PANEL_ZONE_STATE_REPORT_FRAME;

/*****/
/* Security Panel Zone Supported Report command class structs */
/*****/
typedef struct _ZW_SECURITY_PANEL_ZONE_SUPPORTED_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameters1;            /* masked byte */
} ZW_SECURITY_PANEL_ZONE_SUPPORTED_REPORT_FRAME;

/*****/
/* Security Panel Zone Type Get command class structs */
/*****/
typedef struct _ZW_SECURITY_PANEL_ZONE_TYPE_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    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 */
    BYTE    cmd;                    /* The command */
    BYTE    zoneNumber;             /**/
    BYTE    zoneType;               /**/
} ZW_SECURITY_PANEL_ZONE_TYPE_REPORT_FRAME;

/*****/
/* Network Key Set 1byte command class structs */
/*****/
typedef struct _ZW_NETWORK_KEY_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    networkKeyByte1;
} ZW_NETWORK_KEY_SET_1BYTE_FRAME;

/*****/

```

```

/* Network Key Set 2byte command class structs */
/*****
typedef struct _ZW_NETWORK_KEY_SET_2BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      networkKeyByte1;   /* MSB */
    BYTE      networkKeyByte2;   /* LSB */
} ZW_NETWORK_KEY_SET_2BYTE_FRAME;

/*****/
/* Network Key Set 3byte command class structs */
/*****
typedef struct _ZW_NETWORK_KEY_SET_3BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      networkKeyByte1;   /* MSB */
    BYTE      networkKeyByte2;
    BYTE      networkKeyByte3;   /* LSB */
} ZW_NETWORK_KEY_SET_3BYTE_FRAME;

/*****/
/* Network Key Set 4byte command class structs */
/*****
typedef struct _ZW_NETWORK_KEY_SET_4BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      networkKeyByte1;   /* MSB */
    BYTE      networkKeyByte2;
    BYTE      networkKeyByte3;
    BYTE      networkKeyByte4;   /* LSB */
} ZW_NETWORK_KEY_SET_4BYTE_FRAME;

/*****/
/* Network Key Verify command class structs */
/*****
typedef struct _ZW_NETWORK_KEY_VERIFY_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_NETWORK_KEY_VERIFY_FRAME;

/*****/
/* Security Commands Supported Get command class structs */
/*****
typedef struct _ZW_SECURITY_COMMANDS_SUPPORTED_GET_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* 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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      reportsToFollow;   /**/
    BYTE      commandClassSupport1;
    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      commandClassControll1;
} ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_1BYTE_FRAME;

/*****/
/* Security Commands Supported Report 2byte command class structs */
/*****
typedef struct _ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_2BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      reportsToFollow;   /**/
    BYTE      commandClassSupport1; /* MSB */
    BYTE      commandClassSupport2; /* LSB */
    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      commandClassControll1; /* MSB */
    BYTE      commandClassControll2; /* LSB */
}

```



```

} ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_2BYTE_FRAME;

/*****/
/* Security Commands Supported Report 3byte command class structs */
/*****/
typedef struct _ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    reportsToFollow;         /**/
    BYTE    commandClassSupport1;    /* MSB */
    BYTE    commandClassSupport2;
    BYTE    commandClassSupport3;    /* LSB */
    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 */
    BYTE    commandClassControl2;
    BYTE    commandClassControl3;    /* LSB */
} ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_3BYTE_FRAME;

/*****/
/* Security Commands Supported Report 4byte command class structs */
/*****/
typedef struct _ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    reportsToFollow;         /**/
    BYTE    commandClassSupport1;    /* MSB */
    BYTE    commandClassSupport2;
    BYTE    commandClassSupport3;
    BYTE    commandClassSupport4;    /* LSB */
    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 */
    BYTE    commandClassControl2;
    BYTE    commandClassControl3;
    BYTE    commandClassControl4;    /* LSB */
} ZW_SECURITY_COMMANDS_SUPPORTED_REPORT_4BYTE_FRAME;

/*****/
/* Security Message Encapsulation 1byte command class structs */
/*****/
typedef struct _ZW_SECURITY_MESSAGE_ENCAPSULATION_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    initializationVectorByte1; /* MSB */
    BYTE    initializationVectorByte2;
    BYTE    initializationVectorByte3;
    BYTE    initializationVectorByte4;
    BYTE    initializationVectorByte5;
    BYTE    initializationVectorByte6;
    BYTE    initializationVectorByte7;
    BYTE    initializationVectorByte8; /* LSB */
    BYTE    properties1;             /* masked byte */
    BYTE    commandClassIdentifier;  /**/
    BYTE    commandIdentifier;       /**/
    BYTE    commandByte1;
    BYTE    receiversNonceIdentifier; /**/
    BYTE    messageAuthenticationCodeByte1; /* MSB */
    BYTE    messageAuthenticationCodeByte2;
    BYTE    messageAuthenticationCodeByte3;
    BYTE    messageAuthenticationCodeByte4;
    BYTE    messageAuthenticationCodeByte5;
    BYTE    messageAuthenticationCodeByte6;
    BYTE    messageAuthenticationCodeByte7;
    BYTE    messageAuthenticationCodeByte8; /* LSB */
} ZW_SECURITY_MESSAGE_ENCAPSULATION_1BYTE_FRAME;

/*****/
/* Security Message Encapsulation 2byte command class structs */
/*****/
typedef struct _ZW_SECURITY_MESSAGE_ENCAPSULATION_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    initializationVectorByte1; /* MSB */
    BYTE    initializationVectorByte2;
    BYTE    initializationVectorByte3;
    BYTE    initializationVectorByte4;

```

```

    BYTE    initializationVectorByte5;
    BYTE    initializationVectorByte6;
    BYTE    initializationVectorByte7;
    BYTE    initializationVectorByte8;    /* LSB */
    BYTE    properties1;                /* masked byte */
    BYTE    commandClassIdentifier;      /**/
    BYTE    commandIdentifier;          /**/
    BYTE    commandByte1;               /* MSB */
    BYTE    commandByte2;               /* LSB */
    BYTE    receiversNonceIdentifier;    /**/
    BYTE    messageAuthenticationCodeByte1; /* MSB */
    BYTE    messageAuthenticationCodeByte2;
    BYTE    messageAuthenticationCodeByte3;
    BYTE    messageAuthenticationCodeByte4;
    BYTE    messageAuthenticationCodeByte5;
    BYTE    messageAuthenticationCodeByte6;
    BYTE    messageAuthenticationCodeByte7;
    BYTE    messageAuthenticationCodeByte8; /* LSB */
} ZW_SECURITY_MESSAGE_ENCAPSULATION_2BYTE_FRAME;

/*****
/* Security Message Encapsulation 3byte command class structs */
*****/
typedef struct _ZW_SECURITY_MESSAGE_ENCAPSULATION_3BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    initializationVectorByte1;  /* MSB */
    BYTE    initializationVectorByte2;
    BYTE    initializationVectorByte3;
    BYTE    initializationVectorByte4;
    BYTE    initializationVectorByte5;
    BYTE    initializationVectorByte6;
    BYTE    initializationVectorByte7;
    BYTE    initializationVectorByte8;  /* LSB */
    BYTE    properties1;                /* masked byte */
    BYTE    commandClassIdentifier;      /**/
    BYTE    commandIdentifier;          /**/
    BYTE    commandByte1;               /* MSB */
    BYTE    commandByte2;
    BYTE    commandByte3;               /* LSB */
    BYTE    receiversNonceIdentifier;    /**/
    BYTE    messageAuthenticationCodeByte1; /* MSB */
    BYTE    messageAuthenticationCodeByte2;
    BYTE    messageAuthenticationCodeByte3;
    BYTE    messageAuthenticationCodeByte4;
    BYTE    messageAuthenticationCodeByte5;
    BYTE    messageAuthenticationCodeByte6;
    BYTE    messageAuthenticationCodeByte7;
    BYTE    messageAuthenticationCodeByte8; /* LSB */
} ZW_SECURITY_MESSAGE_ENCAPSULATION_3BYTE_FRAME;

/*****
/* Security Message Encapsulation 4byte command class structs */
*****/
typedef struct _ZW_SECURITY_MESSAGE_ENCAPSULATION_4BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    initializationVectorByte1;  /* MSB */
    BYTE    initializationVectorByte2;
    BYTE    initializationVectorByte3;
    BYTE    initializationVectorByte4;
    BYTE    initializationVectorByte5;
    BYTE    initializationVectorByte6;
    BYTE    initializationVectorByte7;
    BYTE    initializationVectorByte8;  /* LSB */
    BYTE    properties1;                /* masked byte */
    BYTE    commandClassIdentifier;      /**/
    BYTE    commandIdentifier;          /**/
    BYTE    commandByte1;               /* MSB */
    BYTE    commandByte2;
    BYTE    commandByte3;
    BYTE    commandByte4;               /* LSB */
    BYTE    receiversNonceIdentifier;    /**/
    BYTE    messageAuthenticationCodeByte1; /* MSB */
    BYTE    messageAuthenticationCodeByte2;
    BYTE    messageAuthenticationCodeByte3;
    BYTE    messageAuthenticationCodeByte4;
    BYTE    messageAuthenticationCodeByte5;
    BYTE    messageAuthenticationCodeByte6;

```

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    BYTE    messageAuthenticationCodeByte7;
    BYTE    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    initializationVectorByte1; /* MSB */
    BYTE    initializationVectorByte2;
    BYTE    initializationVectorByte3;
    BYTE    initializationVectorByte4;
    BYTE    initializationVectorByte5;
    BYTE    initializationVectorByte6;
    BYTE    initializationVectorByte7;
    BYTE    initializationVectorByte8; /* LSB */
    BYTE    properties1;              /* masked byte */
    BYTE    commandClassIdentifier;   /**/
    BYTE    commandIdentifier;        /**/
    BYTE    commandByte1;
    BYTE    receiversNonceIdentifier; /**/
    BYTE    messageAuthenticationCodeByte1; /* MSB */
    BYTE    messageAuthenticationCodeByte2;
    BYTE    messageAuthenticationCodeByte3;
    BYTE    messageAuthenticationCodeByte4;
    BYTE    messageAuthenticationCodeByte5;
    BYTE    messageAuthenticationCodeByte6;
    BYTE    messageAuthenticationCodeByte7;
    BYTE    messageAuthenticationCodeByte8; /* LSB */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    initializationVectorByte1; /* MSB */
    BYTE    initializationVectorByte2;
    BYTE    initializationVectorByte3;
    BYTE    initializationVectorByte4;
    BYTE    initializationVectorByte5;
    BYTE    initializationVectorByte6;
    BYTE    initializationVectorByte7;
    BYTE    initializationVectorByte8; /* LSB */
    BYTE    properties1;              /* masked byte */
    BYTE    commandClassIdentifier;   /**/
    BYTE    commandIdentifier;        /**/
    BYTE    commandByte1;             /* MSB */
    BYTE    commandByte2;            /* LSB */
    BYTE    receiversNonceIdentifier; /**/
    BYTE    messageAuthenticationCodeByte1; /* MSB */
    BYTE    messageAuthenticationCodeByte2;
    BYTE    messageAuthenticationCodeByte3;
    BYTE    messageAuthenticationCodeByte4;
    BYTE    messageAuthenticationCodeByte5;
    BYTE    messageAuthenticationCodeByte6;
    BYTE    messageAuthenticationCodeByte7;
    BYTE    messageAuthenticationCodeByte8; /* LSB */
} ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_2BYTE_FRAME;

/*****
/* Security Message Encapsulation Nonce Get 3byte command class structs */
*****/
typedef struct _ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    initializationVectorByte1; /* MSB */
    BYTE    initializationVectorByte2;
    BYTE    initializationVectorByte3;
    BYTE    initializationVectorByte4;
    BYTE    initializationVectorByte5;
    BYTE    initializationVectorByte6;
    BYTE    initializationVectorByte7;
    BYTE    initializationVectorByte8; /* LSB */
    BYTE    properties1;              /* masked byte */

```

```

    BYTE    commandClassIdentifier;    /**/
    BYTE    commandIdentifier;         /**/
    BYTE    commandByte1;              /* MSB */
    BYTE    commandByte2;
    BYTE    commandByte3;              /* LSB */
    BYTE    receiversNonceIdentifier;   /**/
    BYTE    messageAuthenticationCodeByte1; /* MSB */
    BYTE    messageAuthenticationCodeByte2;
    BYTE    messageAuthenticationCodeByte3;
    BYTE    messageAuthenticationCodeByte4;
    BYTE    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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    initializationVectorByte1; /* MSB */
    BYTE    initializationVectorByte2;
    BYTE    initializationVectorByte3;
    BYTE    initializationVectorByte4;
    BYTE    initializationVectorByte5;
    BYTE    initializationVectorByte6;
    BYTE    initializationVectorByte7;
    BYTE    initializationVectorByte8; /* LSB */
    BYTE    properties1;               /* masked byte */
    BYTE    commandClassIdentifier;    /**/
    BYTE    commandIdentifier;         /**/
    BYTE    commandByte1;              /* MSB */
    BYTE    commandByte2;
    BYTE    commandByte3;
    BYTE    commandByte4;              /* LSB */
    BYTE    receiversNonceIdentifier;   /**/
    BYTE    messageAuthenticationCodeByte1; /* MSB */
    BYTE    messageAuthenticationCodeByte2;
    BYTE    messageAuthenticationCodeByte3;
    BYTE    messageAuthenticationCodeByte4;
    BYTE    messageAuthenticationCodeByte5;
    BYTE    messageAuthenticationCodeByte6;
    BYTE    messageAuthenticationCodeByte7;
    BYTE    messageAuthenticationCodeByte8; /* LSB */
} ZW_SECURITY_MESSAGE_ENCAPSULATION_NONCE_GET_4BYTE_FRAME;

/*****/
/* Security Nonce Get command class structs */
/*****/
typedef struct _ZW_SECURITY_NONCE_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
} ZW_SECURITY_NONCE_GET_FRAME;

/*****/
/* Security Nonce Report command class structs */
/*****/
typedef struct _ZW_SECURITY_NONCE_REPORT_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    nonceByte1;                /* MSB */
    BYTE    nonceByte2;
    BYTE    nonceByte3;
    BYTE    nonceByte4;
    BYTE    nonceByte5;
    BYTE    nonceByte6;
    BYTE    nonceByte7;
    BYTE    nonceByte8;                /* LSB */
} ZW_SECURITY_NONCE_REPORT_FRAME;

/*****/
/* Security Scheme Get command class structs */
/*****/
typedef struct _ZW_SECURITY_SCHEME_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */

```

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        BYTE      cmd;                                /* The command */
        BYTE      supportedSecuritySchemes;           /**/
    } ZW_SECURITY_SCHEME_GET_FRAME;

/*****
/* Security Scheme Inherit command class structs */
*****/
typedef struct _ZW_SECURITY_SCHEME_INHERIT_FRAME_
{
    BYTE      cmdClass;                                /* The command class */
    BYTE      cmd;                                    /* The command */
    BYTE      supportedSecuritySchemes;               /**/
} ZW_SECURITY_SCHEME_INHERIT_FRAME;

/*****
/* Security Scheme Report command class structs */
*****/
typedef struct _ZW_SECURITY_SCHEME_REPORT_FRAME_
{
    BYTE      cmdClass;                                /* The command class */
    BYTE      cmd;                                    /* The command */
    BYTE      supportedSecuritySchemes;               /**/
} ZW_SECURITY_SCHEME_REPORT_FRAME;

/*****
/* Sensor Alarm Get command class structs */
*****/
typedef struct _ZW_SENSOR_ALARM_GET_FRAME_
{
    BYTE      cmdClass;                                /* The command class */
    BYTE      cmd;                                    /* The command */
    BYTE      sensorType;                             /**/
} ZW_SENSOR_ALARM_GET_FRAME;

/*****
/* Sensor Alarm Report command class structs */
*****/
typedef struct _ZW_SENSOR_ALARM_REPORT_FRAME_
{
    BYTE      cmdClass;                                /* The command class */
    BYTE      cmd;                                    /* The command */
    BYTE      sourceNodeId;                           /**/
    BYTE      sensorType;                             /**/
    BYTE      sensorState;                           /**/
    BYTE      seconds1;                               /* MSB */
    BYTE      seconds2;                               /* LSB */
} ZW_SENSOR_ALARM_REPORT_FRAME;

/*****
/* Sensor Alarm Supported Get command class structs */
*****/
typedef struct _ZW_SENSOR_ALARM_SUPPORTED_GET_FRAME_
{
    BYTE      cmdClass;                                /* The command class */
    BYTE      cmd;                                    /* The command */
} ZW_SENSOR_ALARM_SUPPORTED_GET_FRAME;

/*****
/* Sensor Alarm Supported Report 1byte command class structs */
*****/
typedef struct _ZW_SENSOR_ALARM_SUPPORTED_REPORT_1BYTE_FRAME_
{
    BYTE      cmdClass;                                /* The command class */
    BYTE      cmd;                                    /* The command */
    BYTE      numberOfBitMasks;                       /**/
    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_
{
    BYTE      cmdClass;                                /* The command class */
    BYTE      cmd;                                    /* The command */
    BYTE      numberOfBitMasks;                       /**/
    BYTE      bitMask1;                               /* MSB */
    BYTE      bitMask2;                               /* LSB */
} ZW_SENSOR_ALARM_SUPPORTED_REPORT_2BYTE_FRAME;

/*****/

```

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/* Sensor Alarm Supported Report 3byte command class structs */
/*****
typedef struct _ZW_SENSOR_ALARM_SUPPORTED_REPORT_3BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      numberOfBitMasks;  /**/
    BYTE      bitMask1;          /* MSB */
    BYTE      bitMask2;
    BYTE      bitMask3;          /* LSB */
} ZW_SENSOR_ALARM_SUPPORTED_REPORT_3BYTE_FRAME;

/*****/
/* Sensor Alarm Supported Report 4byte command class structs */
/*****/
typedef struct _ZW_SENSOR_ALARM_SUPPORTED_REPORT_4BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      numberOfBitMasks;  /**/
    BYTE      bitMask1;          /* MSB */
    BYTE      bitMask2;
    BYTE      bitMask3;
    BYTE      bitMask4;          /* LSB */
} ZW_SENSOR_ALARM_SUPPORTED_REPORT_4BYTE_FRAME;

/*****/
/* Sensor Binary Get command class structs */
/*****/
typedef struct _ZW_SENSOR_BINARY_GET_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_SENSOR_BINARY_GET_FRAME;

/*****/
/* Sensor Binary Report command class structs */
/*****/
typedef struct _ZW_SENSOR_BINARY_REPORT_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      sensorValue;       /**/
} ZW_SENSOR_BINARY_REPORT_FRAME;

/*****/
/* Sensor Binary Get V2 command class structs */
/*****/
typedef struct _ZW_SENSOR_BINARY_GET_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      sensorType;        /**/
} ZW_SENSOR_BINARY_GET_V2_FRAME;

/*****/
/* Sensor Binary Report V2 command class structs */
/*****/
typedef struct _ZW_SENSOR_BINARY_REPORT_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      sensorValue;       /**/
    BYTE      sensorType;        /**/
} ZW_SENSOR_BINARY_REPORT_V2_FRAME;

/*****/
/* Sensor Binary Supported Get Sensor V2 command class structs */
/*****/
typedef struct _ZW_SENSOR_BINARY_SUPPORTED_GET_SENSOR_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} 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_
{
    BYTE      cmdClass;          /* The command class */

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        BYTE      cmd;                                /* The command */
        BYTE      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_
{
    BYTE      cmdClass;                                /* The command class */
    BYTE      cmd;                                      /* The command */
    BYTE      bitMask1;                                /* MSB */
    BYTE      bitMask2;                                /* LSB */
} ZW_SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_2BYTE_V2_FRAME;

/*****
/* Sensor Binary Supported Sensor Report 3byte V2 command class structs */
*****/
typedef struct _ZW_SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_3BYTE_V2_FRAME_
{
    BYTE      cmdClass;                                /* The command class */
    BYTE      cmd;                                      /* The command */
    BYTE      bitMask1;                                /* MSB */
    BYTE      bitMask2;
    BYTE      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_
{
    BYTE      cmdClass;                                /* The command class */
    BYTE      cmd;                                      /* The command */
    BYTE      bitMask1;                                /* MSB */
    BYTE      bitMask2;
    BYTE      bitMask3;
    BYTE      bitMask4;                                /* LSB */
} ZW_SENSOR_BINARY_SUPPORTED_SENSOR_REPORT_4BYTE_V2_FRAME;

/*****
/* Sensor Trigger Level Get command class structs */
*****/
typedef struct _ZW_SENSOR_TRIGGER_LEVEL_GET_FRAME_
{
    BYTE      cmdClass;                                /* The command class */
    BYTE      cmd;                                      /* The command */
} ZW_SENSOR_TRIGGER_LEVEL_GET_FRAME;

/*****
/* Sensor Trigger Level Report 1byte command class structs */
*****/
typedef struct _ZW_SENSOR_TRIGGER_LEVEL_REPORT_1BYTE_FRAME_
{
    BYTE      cmdClass;                                /* The command class */
    BYTE      cmd;                                      /* The command */
    BYTE      sensorType;                              /**/
    BYTE      properties1;                              /* masked byte */
    BYTE      triggerValue1;
} ZW_SENSOR_TRIGGER_LEVEL_REPORT_1BYTE_FRAME;

/*****
/* Sensor Trigger Level Report 2byte command class structs */
*****/
typedef struct _ZW_SENSOR_TRIGGER_LEVEL_REPORT_2BYTE_FRAME_
{
    BYTE      cmdClass;                                /* The command class */
    BYTE      cmd;                                      /* The command */
    BYTE      sensorType;                              /**/
    BYTE      properties1;                              /* masked byte */
    BYTE      triggerValue1;                            /* MSB */
    BYTE      triggerValue2;                            /* LSB */
} ZW_SENSOR_TRIGGER_LEVEL_REPORT_2BYTE_FRAME;

/*****
/* Sensor Trigger Level Report 3byte command class structs */
*****/
typedef struct _ZW_SENSOR_TRIGGER_LEVEL_REPORT_3BYTE_FRAME_
{
    BYTE      cmdClass;                                /* The command class */
    BYTE      cmd;                                      /* The command */

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    BYTE    sensorType;                /**/
    BYTE    properties1;                /* masked byte */
    BYTE    triggerValue1;              /* MSB */
    BYTE    triggerValue2;
    BYTE    triggerValue3;              /* LSB */
} 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    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    sensorType;                /**/
    BYTE    properties1;                /* masked byte */
    BYTE    triggerValue1;              /* MSB */
    BYTE    triggerValue2;
    BYTE    triggerValue3;
    BYTE    triggerValue4;              /* 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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;                /* masked byte */
    BYTE    sensorType;                /**/
    BYTE    properties2;                /* masked 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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;                /* masked byte */
    BYTE    sensorType;                /**/
    BYTE    properties2;                /* masked byte */
    BYTE    triggerValue1;              /* MSB */
    BYTE    triggerValue2;              /* LSB */
} ZW_SENSOR_TRIGGER_LEVEL_SET_2BYTE_FRAME;

/*****/
/* Sensor Trigger Level Set 3byte command class structs */
/*****/
typedef struct _ZW_SENSOR_TRIGGER_LEVEL_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;                /* masked byte */
    BYTE    sensorType;                /**/
    BYTE    properties2;                /* masked byte */
    BYTE    triggerValue1;              /* MSB */
    BYTE    triggerValue2;
    BYTE    triggerValue3;              /* LSB */
} ZW_SENSOR_TRIGGER_LEVEL_SET_3BYTE_FRAME;

/*****/
/* Sensor Trigger Level Set 4byte command class structs */
/*****/
typedef struct _ZW_SENSOR_TRIGGER_LEVEL_SET_4BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;                /* masked byte */
    BYTE    sensorType;                /**/
    BYTE    properties2;                /* masked byte */
    BYTE    triggerValue1;              /* MSB */
    BYTE    triggerValue2;
    BYTE    triggerValue3;
    BYTE    triggerValue4;              /* LSB */
} ZW_SENSOR_TRIGGER_LEVEL_SET_4BYTE_FRAME;

/*****/
```



```
/* Sensor Multilevel Get command class structs */
/*****
typedef struct _ZW_SENSOR_MULTILEVEL_GET_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_SENSOR_MULTILEVEL_GET_FRAME;

/*****
/* Sensor Multilevel Report 1byte command class structs */
/*****
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      sensorType;        /**/
    BYTE      level;             /* masked byte */
    BYTE      sensorValue1;
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_FRAME;

/*****
/* Sensor Multilevel Report 2byte command class structs */
/*****
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      sensorType;        /**/
    BYTE      level;             /* masked byte */
    BYTE      sensorValue1;      /* MSB */
    BYTE      sensorValue2;      /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_FRAME;

/*****
/* Sensor Multilevel Report 3byte command class structs */
/*****
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      sensorType;        /**/
    BYTE      level;             /* masked byte */
    BYTE      sensorValue1;      /* MSB */
    BYTE      sensorValue2;
    BYTE      sensorValue3;      /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_FRAME;

/*****
/* Sensor Multilevel Report 4byte command class structs */
/*****
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      sensorType;        /**/
    BYTE      level;             /* masked byte */
    BYTE      sensorValue1;      /* MSB */
    BYTE      sensorValue2;
    BYTE      sensorValue3;
    BYTE      sensorValue4;      /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_FRAME;

/*****
/* Sensor Multilevel Get V2 command class structs */
/*****
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_SENSOR_MULTILEVEL_GET_V2_FRAME;

/*****
/* Sensor Multilevel Report 1byte V2 command class structs */
/*****
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      sensorType;        /**/
    BYTE      level;             /* masked byte */
    BYTE      sensorValue1;
```

```
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V2_FRAME;

/*****
/* Sensor Multilevel Report 2byte V2 command class structs */
*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;       /* MSB */
    BYTE    sensorValue2;       /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V2_FRAME;

/*****
/* Sensor Multilevel Report 3byte V2 command class structs */
*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;       /* MSB */
    BYTE    sensorValue2;
    BYTE    sensorValue3;       /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V2_FRAME;

/*****
/* Sensor Multilevel Report 4byte V2 command class structs */
*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;       /* MSB */
    BYTE    sensorValue2;
    BYTE    sensorValue3;
    BYTE    sensorValue4;       /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V2_FRAME;

/*****
/* Sensor Multilevel Get V3 command class structs */
*****/
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_SENSOR_MULTILEVEL_GET_V3_FRAME;

/*****
/* Sensor Multilevel Report 1byte V3 command class structs */
*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V3_FRAME;

/*****
/* Sensor Multilevel Report 2byte V3 command class structs */
*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;       /* MSB */
    BYTE    sensorValue2;       /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V3_FRAME;

/*****
/* Sensor Multilevel Report 3byte V3 command class structs */
*****/
```

```

typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;       /* MSB */
    BYTE    sensorValue2;
    BYTE    sensorValue3;       /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V3_FRAME;

/*****/
/* Sensor Multilevel Report 4byte V3 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;       /* MSB */
    BYTE    sensorValue2;
    BYTE    sensorValue3;
    BYTE    sensorValue4;       /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V3_FRAME;

/*****/
/* Sensor Multilevel Get V4 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_SENSOR_MULTILEVEL_GET_V4_FRAME;

/*****/
/* Sensor Multilevel Report 1byte V4 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V4_FRAME;

/*****/
/* Sensor Multilevel Report 2byte V4 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;       /* MSB */
    BYTE    sensorValue2;       /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V4_FRAME;

/*****/
/* Sensor Multilevel Report 3byte V4 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;       /* MSB */
    BYTE    sensorValue2;
    BYTE    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 */
    BYTE    cmd;                /* The command */

```

```

    BYTE    sensorType;                /**/
    BYTE    level;                    /* masked byte */
    BYTE    sensorValue1;              /* MSB */
    BYTE    sensorValue2;
    BYTE    sensorValue3;
    BYTE    sensorValue4;              /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V4_FRAME;

/*****/
/* Sensor Multilevel Get V5 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V5_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    sensorType;                /**/
    BYTE    properties1;              /* masked byte */
} ZW_SENSOR_MULTILEVEL_GET_V5_FRAME;

/*****/
/* Sensor Multilevel Report 1byte V5 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V5_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    sensorType;                /**/
    BYTE    level;                    /* masked byte */
    BYTE    sensorValue1;
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V5_FRAME;

/*****/
/* Sensor Multilevel Report 2byte V5 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V5_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    sensorType;                /**/
    BYTE    level;                    /* masked byte */
    BYTE    sensorValue1;              /* MSB */
    BYTE    sensorValue2;              /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V5_FRAME;

/*****/
/* Sensor Multilevel Report 3byte V5 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V5_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    sensorType;                /**/
    BYTE    level;                    /* masked byte */
    BYTE    sensorValue1;              /* MSB */
    BYTE    sensorValue2;
    BYTE    sensorValue3;              /* LSB */
} 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 */
    BYTE    cmd;                      /* The command */
    BYTE    sensorType;                /**/
    BYTE    level;                    /* masked byte */
    BYTE    sensorValue1;              /* MSB */
    BYTE    sensorValue2;
    BYTE    sensorValue3;
    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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
} 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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      bitMask1;
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V5_FRAME;

/*****
/* Sensor Multilevel Supported Sensor Report 2byte V5 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V5_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      bitMask1;          /* MSB */
    BYTE      bitMask2;          /* LSB */
} 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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      bitMask1;          /* MSB */
    BYTE      bitMask2;
    BYTE      bitMask3;          /* LSB */
} 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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      bitMask1;          /* MSB */
    BYTE      bitMask2;
    BYTE      bitMask3;
    BYTE      bitMask4;          /* LSB */
} 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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      sensorType;        /**/
} ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V5_FRAME;

/*****
/* Sensor Multilevel Supported Scale Report V5 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V5_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      sensorType;        /**/
    BYTE      properties1;       /* masked byte */
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V5_FRAME;

/*****
/* Sensor Multilevel Get V6 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V6_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      sensorType;        /**/
    BYTE      properties1;       /* masked byte */
} ZW_SENSOR_MULTILEVEL_GET_V6_FRAME;

/*****
/* Sensor Multilevel Report 1byte V6 command class structs */
/*****/

```

```

/*****
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V6_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;       /* MSB */
    BYTE    sensorValue2;       /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V6_FRAME;

/*****
/* Sensor Multilevel Report 3byte V6 command class structs */
/*****
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V6_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;       /* MSB */
    BYTE    sensorValue2;
    BYTE    sensorValue3;       /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V6_FRAME;

/*****
/* Sensor Multilevel Report 4byte V6 command class structs */
/*****
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V6_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;       /* MSB */
    BYTE    sensorValue2;
    BYTE    sensorValue3;
    BYTE    sensorValue4;       /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;           /* LSB */
} 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    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;           /* LSB */
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_4BYTE_V6_FRAME;

/*****
/* Sensor Multilevel Supported Get Scale V6 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V6_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    properties1;        /* masked byte */
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V6_FRAME;

/*****
/* Sensor Multilevel Get V7 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V7_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    properties1;        /* masked byte */
} 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;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V7_FRAME;

/*****
/* Sensor Multilevel Report 2byte V7 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V7_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;       /* MSB */
    BYTE    sensorValue2;       /* LSB */
}

```

```
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V7_FRAME;

/*****
/* Sensor Multilevel Report 3byte V7 command class structs */
*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V7_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;       /* MSB */
    BYTE    sensorValue2;
    BYTE    sensorValue3;       /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V7_FRAME;

/*****
/* Sensor Multilevel Report 4byte V7 command class structs */
*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V7_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    level;              /* masked byte */
    BYTE    sensorValue1;       /* MSB */
    BYTE    sensorValue2;
    BYTE    sensorValue3;
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
```



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    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;          /* LSB */
} 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 */
    BYTE    cmd;               /* The command */
    BYTE    sensorType;        /**/
} ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V7_FRAME;

/*****/
/* Sensor Multilevel Supported Scale Report V7 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V7_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    sensorType;        /**/
    BYTE    properties1;       /* masked byte */
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V7_FRAME;

/*****/
/* Sensor Multilevel Get V8 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V8_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    sensorType;        /**/
    BYTE    properties1;       /* masked byte */
} ZW_SENSOR_MULTILEVEL_GET_V8_FRAME;

/*****/
/* Sensor Multilevel Report 1byte V8 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V8_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    sensorType;        /**/
    BYTE    level;             /* masked byte */
    BYTE    sensorValue1;
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V8_FRAME;

/*****/
/* Sensor Multilevel Report 2byte V8 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V8_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    sensorType;        /**/
    BYTE    level;             /* masked byte */
    BYTE    sensorValue1;      /* MSB */
    BYTE    sensorValue2;      /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V8_FRAME;

/*****/
/* Sensor Multilevel Report 3byte V8 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V8_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    sensorType;        /**/
    BYTE    level;             /* masked byte */
    BYTE    sensorValue1;      /* MSB */
    BYTE    sensorValue2;
    BYTE    sensorValue3;      /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V8_FRAME;

/*****/
/* Sensor Multilevel Report 4byte V8 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V8_FRAME_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    sensorType;              /**/
    BYTE    level;                  /* masked byte */
    BYTE    sensorValue1;            /* MSB */
    BYTE    sensorValue2;
    BYTE    sensorValue3;
    BYTE    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} 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 */
    BYTE    cmd;                    /* The command */
    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 */
    BYTE    cmd;                    /* The command */
    BYTE    bitMask1;                /* MSB */
    BYTE    bitMask2;                /* LSB */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    bitMask1;                /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;                /* LSB */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    bitMask1;                /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;                /* LSB */
} 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 */
    BYTE    cmd;                    /* The command */
    BYTE    sensorType;              /**/
} ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V8_FRAME;

/*****/
/* Sensor Multilevel Supported Scale Report V8 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V8_FRAME_
{
    BYTE    cmdClass;                /* The command class */

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    BYTE      cmd;                                /* The command */
    BYTE      sensorType;                          /**/
    BYTE      properties1;                         /* masked byte */
} 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 */
    BYTE      cmd;                                /* The command */
    BYTE      sensorType;                          /**/
    BYTE      properties1;                         /* masked byte */
} ZW_SENSOR_MULTILEVEL_GET_V9_FRAME;

/*****
/* Sensor Multilevel Report 1byte V9 command class structs */
*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V9_FRAME_
{
    BYTE      cmdClass;                           /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      sensorType;                          /**/
    BYTE      level;                              /* masked byte */
    BYTE      sensorValue1;
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V9_FRAME;

/*****
/* Sensor Multilevel Report 2byte V9 command class structs */
*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V9_FRAME_
{
    BYTE      cmdClass;                           /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      sensorType;                          /**/
    BYTE      level;                              /* masked byte */
    BYTE      sensorValue1;                       /* MSB */
    BYTE      sensorValue2;                       /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V9_FRAME;

/*****
/* Sensor Multilevel Report 3byte V9 command class structs */
*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V9_FRAME_
{
    BYTE      cmdClass;                           /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      sensorType;                          /**/
    BYTE      level;                              /* masked byte */
    BYTE      sensorValue1;                       /* MSB */
    BYTE      sensorValue2;
    BYTE      sensorValue3;                       /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V9_FRAME;

/*****
/* Sensor Multilevel Report 4byte V9 command class structs */
*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V9_FRAME_
{
    BYTE      cmdClass;                           /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      sensorType;                          /**/
    BYTE      level;                              /* masked byte */
    BYTE      sensorValue1;                       /* MSB */
    BYTE      sensorValue2;
    BYTE      sensorValue3;
    BYTE      sensorValue4;                       /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V9_FRAME;

/*****
/* Sensor Multilevel Supported Get Sensor V9 command class structs */
*****/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V9_FRAME_
{
    BYTE      cmdClass;                           /* The command class */
    BYTE      cmd;                                /* The command */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;           /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;           /* LSB */
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_4BYTE_V9_FRAME;

/*****/
/* Sensor Multilevel Supported Get Scale V9 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SCALE_V9_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    properties1;        /* masked byte */
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V9_FRAME;

/*****/
/* Sensor Multilevel Get V10 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_GET_V10_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sensorType;         /**/
    BYTE    properties1;        /* masked byte */
} ZW_SENSOR_MULTILEVEL_GET_V10_FRAME;

/*****/
/* Sensor Multilevel Report 1byte V10 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V10_FRAME_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    sensorType;              /**/
    BYTE    level;                   /* masked byte */
    BYTE    sensorValue1;
} ZW_SENSOR_MULTILEVEL_REPORT_1BYTE_V10_FRAME;

/*****/
/* Sensor Multilevel Report 2byte V10 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V10_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    sensorType;              /**/
    BYTE    level;                   /* masked byte */
    BYTE    sensorValue1;            /* MSB */
    BYTE    sensorValue2;            /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_2BYTE_V10_FRAME;

/*****/
/* Sensor Multilevel Report 3byte V10 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V10_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    sensorType;              /**/
    BYTE    level;                   /* masked byte */
    BYTE    sensorValue1;            /* MSB */
    BYTE    sensorValue2;
    BYTE    sensorValue3;            /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_3BYTE_V10_FRAME;

/*****/
/* Sensor Multilevel Report 4byte V10 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V10_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    sensorType;              /**/
    BYTE    level;                   /* masked byte */
    BYTE    sensorValue1;            /* MSB */
    BYTE    sensorValue2;
    BYTE    sensorValue3;
    BYTE    sensorValue4;            /* LSB */
} ZW_SENSOR_MULTILEVEL_REPORT_4BYTE_V10_FRAME;

/*****/
/* Sensor Multilevel Supported Get Sensor V10 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_GET_SENSOR_V10_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    bitMask1;
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_1BYTE_V10_FRAME;

/*****/
/* Sensor Multilevel Supported Sensor Report 2byte V10 command class structs */
/*****/
typedef struct _ZW_SENSOR_MULTILEVEL_SUPPORTED_SENSOR_REPORT_2BYTE_V10_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    bitMask1;                /* MSB */
    BYTE    bitMask2;                /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;          /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;          /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    sensorType;         /**/
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    sensorType;         /**/
    BYTE    properties1;        /* masked byte */
} ZW_SENSOR_MULTILEVEL_SUPPORTED_SCALE_REPORT_V10_FRAME;

/*****/
/* Sensor Alarm Set 1byte command class structs */
/*****/
typedef struct _ZW_SENSOR_ALARM_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    mode;               /**/
    BYTE    seconds1;           /* MSB */
    BYTE    seconds2;           /* LSB */
    BYTE    numberOfBitMasks;    /**/
    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 */
    BYTE    cmd;               /* The command */
    BYTE    mode;               /**/
    BYTE    seconds1;           /* MSB */
    BYTE    seconds2;           /* LSB */
    BYTE    numberOfBitMasks;    /**/
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
} ZW_SENSOR_ALARM_SET_2BYTE_FRAME;

/*****/
/* Sensor Alarm Set 3byte command class structs */
/*****/
typedef struct _ZW_SENSOR_ALARM_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    mode;               /**/

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    BYTE    seconds1;                /* MSB */
    BYTE    seconds2;                /* LSB */
    BYTE    numberOfBitMasks;        /**/
    BYTE    bitMask1;                /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;                /* LSB */
} ZW_SENSOR_ALARM_SET_3BYTE_FRAME;

/*****
/* Sensor Alarm Set 4byte command class structs */
*****/
typedef struct _ZW_SENSOR_ALARM_SET_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    mode;                    /**/
    BYTE    seconds1;                /* MSB */
    BYTE    seconds2;                /* LSB */
    BYTE    numberOfBitMasks;        /**/
    BYTE    bitMask1;                /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;                /* LSB */
} ZW_SENSOR_ALARM_SET_4BYTE_FRAME;

/*****
/* Simple Av Control Get command class structs */
*****/
typedef struct _ZW_SIMPLE_AV_CONTROL_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_SIMPLE_AV_CONTROL_GET_FRAME;

/*****
/* Simple Av Control Report command class structs */
*****/
typedef struct _ZW_SIMPLE_AV_CONTROL_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    numberOfReports;        /**/
} ZW_SIMPLE_AV_CONTROL_REPORT_FRAME;

/*****
/* Simple Av Control Set variant group structs */
*****/
typedef struct _VG_SIMPLE_AV_CONTROL_SET_VG_
{
    BYTE    command1;                /* MSB */
    BYTE    command2;                /* LSB */
} VG_SIMPLE_AV_CONTROL_SET_VG;

/*****
/* Simple Av Control Set 1byte command class structs */
*****/
typedef struct _ZW_SIMPLE_AV_CONTROL_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    sequenceNumber;          /**/
    BYTE    properties1;              /* masked byte */
    BYTE    itemId1;                 /* MSB */
    BYTE    itemId2;                 /* LSB */
    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    sequenceNumber;          /**/
    BYTE    properties1;              /* masked byte */
    BYTE    itemId1;                 /* MSB */
    BYTE    itemId2;                 /* LSB */
    VG_SIMPLE_AV_CONTROL_SET_VG variantgroup1; /**/
    VG_SIMPLE_AV_CONTROL_SET_VG variantgroup2; /**/
} ZW_SIMPLE_AV_CONTROL_SET_2BYTE_FRAME;

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/*****
/* Simple Av Control Set 3byte command class structs */
/*****
typedef struct _ZW_SIMPLE_AV_CONTROL_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sequenceNumber;     /**/
    BYTE    properties1;        /* masked byte */
    BYTE    itemId1;            /* MSB */
    BYTE    itemId2;            /* LSB */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    sequenceNumber;     /**/
    BYTE    properties1;        /* masked byte */
    BYTE    itemId1;            /* MSB */
    BYTE    itemId2;            /* LSB */
    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;

/*****
/* Simple Av Control Supported Get command class structs */
/*****
typedef struct _ZW_SIMPLE_AV_CONTROL_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    reportNo;           /**/
} ZW_SIMPLE_AV_CONTROL_SUPPORTED_GET_FRAME;

/*****
/* Simple Av Control Supported Report 1byte command class structs */
/*****
typedef struct _ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    reportNo;           /**/
    BYTE    bitMask1;
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    reportNo;           /**/
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    reportNo;           /**/
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
    BYTE    bitMask3;           /* LSB */
} ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_3BYTE_FRAME;

/****

```



```
/* Simple Av Control Supported Report 4byte command class structs */
/*****
typedef struct _ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    reportNo;          /**/
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;          /* LSB */
} ZW_SIMPLE_AV_CONTROL_SUPPORTED_REPORT_4BYTE_FRAME;

/*****
/* Switch All Get command class structs */
/*****
typedef struct _ZW_SWITCH_ALL_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_SWITCH_ALL_GET_FRAME;

/*****
/* Switch All Off command class structs */
/*****
typedef struct _ZW_SWITCH_ALL_OFF_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_SWITCH_ALL_OFF_FRAME;

/*****
/* Switch All On command class structs */
/*****
typedef struct _ZW_SWITCH_ALL_ON_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_SWITCH_ALL_ON_FRAME;

/*****
/* Switch All Report command class structs */
/*****
typedef struct _ZW_SWITCH_ALL_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    mode;              /**/
} ZW_SWITCH_ALL_REPORT_FRAME;

/*****
/* Switch All Set command class structs */
/*****
typedef struct _ZW_SWITCH_ALL_SET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    mode;              /**/
} ZW_SWITCH_ALL_SET_FRAME;

/*****
/* Switch Binary Get command class structs */
/*****
typedef struct _ZW_SWITCH_BINARY_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_SWITCH_BINARY_GET_FRAME;

/*****
/* Switch Binary Report command class structs */
/*****
typedef struct _ZW_SWITCH_BINARY_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    value;             /**/
} ZW_SWITCH_BINARY_REPORT_FRAME;

/*****
/* Switch Binary Set command class structs */
```

```

/*****/
typedef struct _ZW_SWITCH_BINARY_SET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    switchValue;        /**/
} ZW_SWITCH_BINARY_SET_FRAME;

/*****/
/* Switch Binary Get V2 command class structs */
/*****/
typedef struct _ZW_SWITCH_BINARY_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_SWITCH_BINARY_GET_V2_FRAME;

/*****/
/* Switch Binary Report V2 command class structs */
/*****/
typedef struct _ZW_SWITCH_BINARY_REPORT_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    currentValue;       /**/
    BYTE    targetValue;        /**/
    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 */
    BYTE    cmd;                /* The command */
    BYTE    targetValue;        /**/
    BYTE    duration;           /**/
} ZW_SWITCH_BINARY_SET_V2_FRAME;

/*****/
/* Switch Multilevel Get command class structs */
/*****/
typedef struct _ZW_SWITCH_MULTILEVEL_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_SWITCH_MULTILEVEL_GET_FRAME;

/*****/
/* Switch Multilevel Report command class structs */
/*****/
typedef struct _ZW_SWITCH_MULTILEVEL_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    value;              /**/
} ZW_SWITCH_MULTILEVEL_REPORT_FRAME;

/*****/
/* Switch Multilevel Set command class structs */
/*****/
typedef struct _ZW_SWITCH_MULTILEVEL_SET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    value;              /**/
} ZW_SWITCH_MULTILEVEL_SET_FRAME;

/*****/
/* Switch Multilevel Start Level Change command class structs */
/*****/
typedef struct _ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    level;              /* 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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_FRAME;

/*****
/* Switch Multilevel Get V2 command class structs */
/*****
typedef struct _ZW_SWITCH_MULTILEVEL_GET_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_SWITCH_MULTILEVEL_GET_V2_FRAME;

/*****
/* Switch Multilevel Report V2 command class structs */
/*****
typedef struct _ZW_SWITCH_MULTILEVEL_REPORT_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      value;             /**/
} ZW_SWITCH_MULTILEVEL_REPORT_V2_FRAME;

/*****
/* Switch Multilevel Set V2 command class structs */
/*****
typedef struct _ZW_SWITCH_MULTILEVEL_SET_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      value;             /**/
    BYTE      dimmingDuration;   /**/
} 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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    BYTE      startLevel;        /**/
    BYTE      dimmingDuration;   /**/
} 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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} 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 */
    BYTE      cmd;               /* The command */
} ZW_SWITCH_MULTILEVEL_GET_V3_FRAME;

/*****
/* Switch Multilevel Report V3 command class structs */
/*****
typedef struct _ZW_SWITCH_MULTILEVEL_REPORT_V3_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      value;             /**/
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    value;              /**/
    BYTE    dimmingDuration;    /**/
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    startLevel;         /**/
    BYTE    dimmingDuration;    /**/
    BYTE    stepSize;           /**/
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} 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;           /* The command class */
    BYTE    cmd;                /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
} ZW_SWITCH_MULTILEVEL_SUPPORTED_REPORT_V3_FRAME;

/*****/
/* Switch Multilevel Get V4 command class structs */
/*****/
typedef struct _ZW_SWITCH_MULTILEVEL_GET_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_SWITCH_MULTILEVEL_GET_V4_FRAME;

/*****/
/* Switch Multilevel Report V4 command class structs */
/*****/
typedef struct _ZW_SWITCH_MULTILEVEL_REPORT_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    currentValue;       /**/
    BYTE    targetValue;        /**/
    BYTE    duration;           /**/
} ZW_SWITCH_MULTILEVEL_REPORT_V4_FRAME;

/*****/
/* Switch Multilevel Set V4 command class structs */
/*****/
typedef struct _ZW_SWITCH_MULTILEVEL_SET_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    value;              /**/
    BYTE    dimmingDuration;    /**/
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    startLevel;         /**/
    BYTE    dimmingDuration;     /**/
    BYTE    stepSize;           /**/
} ZW_SWITCH_MULTILEVEL_START_LEVEL_CHANGE_V4_FRAME;

/*****
/* Switch Multilevel Stop Level Change V4 command class structs */
/*****/
typedef struct _ZW_SWITCH_MULTILEVEL_STOP_LEVEL_CHANGE_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
} ZW_SWITCH_MULTILEVEL_SUPPORTED_REPORT_V4_FRAME;

/*****
/* Switch Toggle Binary Set command class structs */
/*****/
typedef struct _ZW_SWITCH_TOGGLE_BINARY_SET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_SWITCH_TOGGLE_BINARY_SET_FRAME;

/*****
/* Switch Toggle Binary Get command class structs */
/*****/
typedef struct _ZW_SWITCH_TOGGLE_BINARY_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_SWITCH_TOGGLE_BINARY_GET_FRAME;

/*****
/* Switch Toggle Binary Report command class structs */
/*****/
typedef struct _ZW_SWITCH_TOGGLE_BINARY_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    value;              /**/
} ZW_SWITCH_TOGGLE_BINARY_REPORT_FRAME;

/*****
/* Switch Toggle Multilevel Set command class structs */
/*****/
typedef struct _ZW_SWITCH_TOGGLE_MULTILEVEL_SET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_SWITCH_TOGGLE_MULTILEVEL_SET_FRAME;

/*****/

```

```
/* Switch Toggle Multilevel Get command class structs */
/*****
typedef struct _ZW_SWITCH_TOGGLE_MULTILEVEL_GET_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;              /* The command */
} ZW_SWITCH_TOGGLE_MULTILEVEL_GET_FRAME;

/*****
/* Switch Toggle Multilevel Report command class structs */
/*****
typedef struct _ZW_SWITCH_TOGGLE_MULTILEVEL_REPORT_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;              /* The command */
    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_
{
    BYTE      cmdClass;          /* 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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;              /* 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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;              /* The command */
    BYTE      properties1;      /* masked byte */
    BYTE      rateParameterSetId1;
} ZW_TARIFF_TBL_REMOVE_1BYTE_FRAME;

/*****
/* Tariff Tbl Remove 2byte command class structs */
/*****
typedef struct _ZW_TARIFF_TBL_REMOVE_2BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;              /* The command */
    BYTE      properties1;      /* masked byte */
    BYTE      rateParameterSetId1; /* MSB */
    BYTE      rateParameterSetId2; /* LSB */
} 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 */
    BYTE      cmd;              /* The command */
    BYTE      properties1;      /* masked byte */
    BYTE      rateParameterSetId1; /* MSB */
    BYTE      rateParameterSetId2;
    BYTE      rateParameterSetId3; /* LSB */
} ZW_TARIFF_TBL_REMOVE_3BYTE_FRAME;

/*****
/* Tariff Tbl Remove 4byte command class structs */
/*****
typedef struct _ZW_TARIFF_TBL_REMOVE_4BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;              /* The command */
```

```

    BYTE    properties1;                /* masked byte */
    BYTE    rateParameterSetId1;        /* MSB */
    BYTE    rateParameterSetId2;
    BYTE    rateParameterSetId3;
    BYTE    rateParameterSetId4;        /* LSB */
} ZW_TARIFF_TBL_REMOVE_4BYTE_FRAME;

/*****/
/* Tariff Tbl Set command class structs */
/*****/
typedef struct _ZW_TARIFF_TBL_SET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    rateParameterSetId;        /**/
    BYTE    properties1;                /* masked byte */
    BYTE    tariffValue1;               /* MSB */
    BYTE    tariffValue2;
    BYTE    tariffValue3;
    BYTE    tariffValue4;               /* LSB */
} ZW_TARIFF_TBL_SET_FRAME;

/*****/
/* Tariff Tbl Supplier Set 1byte command class structs */
/*****/
typedef struct _ZW_TARIFF_TBL_SUPPLIER_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    year1;                     /* MSB */
    BYTE    year2;                     /* LSB */
    BYTE    month;                     /**/
    BYTE    day;                       /**/
    BYTE    hourLocalTime;              /**/
    BYTE    minuteLocalTime;            /**/
    BYTE    secondLocalTime;            /**/
    BYTE    currency1;                  /* MSB */
    BYTE    currency2;
    BYTE    currency3;                  /* LSB */
    BYTE    properties1;                /* masked byte */
    BYTE    standingChargeValue1;        /* MSB */
    BYTE    standingChargeValue2;
    BYTE    standingChargeValue3;
    BYTE    standingChargeValue4;        /* LSB */
    BYTE    properties2;                /* masked byte */
    BYTE    supplierCharacter1;
} ZW_TARIFF_TBL_SUPPLIER_SET_1BYTE_FRAME;

/*****/
/* Tariff Tbl Supplier Set 2byte command class structs */
/*****/
typedef struct _ZW_TARIFF_TBL_SUPPLIER_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    year1;                     /* MSB */
    BYTE    year2;                     /* LSB */
    BYTE    month;                     /**/
    BYTE    day;                       /**/
    BYTE    hourLocalTime;              /**/
    BYTE    minuteLocalTime;            /**/
    BYTE    secondLocalTime;            /**/
    BYTE    currency1;                  /* MSB */
    BYTE    currency2;
    BYTE    currency3;                  /* LSB */
    BYTE    properties1;                /* masked byte */
    BYTE    standingChargeValue1;        /* MSB */
    BYTE    standingChargeValue2;
    BYTE    standingChargeValue3;
    BYTE    standingChargeValue4;        /* LSB */
    BYTE    properties2;                /* masked byte */
    BYTE    supplierCharacter1;          /* MSB */
    BYTE    supplierCharacter2;          /* LSB */
} ZW_TARIFF_TBL_SUPPLIER_SET_2BYTE_FRAME;

/*****/
/* 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 */
    BYTE    year1;                              /* MSB */
    BYTE    year2;                              /* LSB */
    BYTE    month;                             /**/
    BYTE    day;                               /**/
    BYTE    hourLocalTime;                     /**/
    BYTE    minuteLocalTime;                   /**/
    BYTE    secondLocalTime;                   /**/
    BYTE    currency1;                         /* MSB */
    BYTE    currency2;
    BYTE    currency3;                         /* LSB */
    BYTE    properties1;                       /* masked byte */
    BYTE    standingChargeValue1;              /* MSB */
    BYTE    standingChargeValue2;
    BYTE    standingChargeValue3;
    BYTE    standingChargeValue4;              /* LSB */
    BYTE    properties2;                       /* masked byte */
    BYTE    supplierCharacter1;                 /* MSB */
    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_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                              /* The command */
    BYTE    year1;                              /* MSB */
    BYTE    year2;                              /* LSB */
    BYTE    month;                             /**/
    BYTE    day;                               /**/
    BYTE    hourLocalTime;                     /**/
    BYTE    minuteLocalTime;                   /**/
    BYTE    secondLocalTime;                   /**/
    BYTE    currency1;                         /* MSB */
    BYTE    currency2;
    BYTE    currency3;                         /* LSB */
    BYTE    properties1;                       /* masked byte */
    BYTE    standingChargeValue1;              /* MSB */
    BYTE    standingChargeValue2;
    BYTE    standingChargeValue3;
    BYTE    standingChargeValue4;              /* LSB */
    BYTE    properties2;                       /* masked byte */
    BYTE    supplierCharacter1;                 /* MSB */
    BYTE    supplierCharacter2;
    BYTE    supplierCharacter3;
    BYTE    supplierCharacter4;                 /* LSB */
} ZW_TARIFF_TBL_SUPPLIER_SET_4BYTE_FRAME;

/*****
/* Tariff Tbl Cost Get command class structs */
*****/
typedef struct _ZW_TARIFF_TBL_COST_GET_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                              /* The command */
    BYTE    rateParameterSetId;                 /**/
    BYTE    startYear1;                         /* MSB */
    BYTE    startYear2;                         /* LSB */
    BYTE    startMonth;                        /**/
    BYTE    startDay;                          /**/
    BYTE    startHourLocalTime;                 /**/
    BYTE    startMinuteLocalTime;               /**/
    BYTE    stopYear1;                         /* MSB */
    BYTE    stopYear2;                         /* LSB */
    BYTE    stopMonth;                         /**/
    BYTE    stopDay;                           /**/
    BYTE    stopHourLocalTime;                 /**/
    BYTE    stopMinuteLocalTime;               /**/
} ZW_TARIFF_TBL_COST_GET_FRAME;

/*****
/* Tariff Tbl Cost Report command class structs */
*****/
typedef struct _ZW_TARIFF_TBL_COST_REPORT_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                              /* The command */
    BYTE    rateParameterSetId;                 /**/

```



```

    BYTE    properties1;                /* masked byte */
    BYTE    startYear1;                /* MSB */
    BYTE    startYear2;                /* LSB */
    BYTE    startMonth;                /**/
    BYTE    startDay;                  /**/
    BYTE    startHourLocalTime;        /**/
    BYTE    startMinuteLocalTime;      /**/
    BYTE    stopYear1;                 /* MSB */
    BYTE    stopYear2;                 /* LSB */
    BYTE    stopMonth;                 /**/
    BYTE    stopDay;                   /**/
    BYTE    stopHourLocalTime;         /**/
    BYTE    stopMinuteLocalTime;       /**/
    BYTE    currency1;                 /* MSB */
    BYTE    currency2;                 /* LSB */
    BYTE    currency3;                 /* masked byte */
    BYTE    properties2;                /* MSB */
    BYTE    costValue1;                /* MSB */
    BYTE    costValue2;
    BYTE    costValue3;
    BYTE    costValue4;                /* LSB */
} ZW_TARIFF_TBL_COST_REPORT_FRAME;

/*****
/* Tariff Tbl Get command class structs */
*****/
typedef struct _ZW_TARIFF_TBL_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    rateParameterSetId;        /**/
} ZW_TARIFF_TBL_GET_FRAME;

/*****
/* Tariff Tbl Report command class structs */
*****/
typedef struct _ZW_TARIFF_TBL_REPORT_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    rateParameterSetId;        /**/
    BYTE    properties1;                /* masked byte */
    BYTE    tariffValue1;              /* MSB */
    BYTE    tariffValue2;
    BYTE    tariffValue3;
    BYTE    tariffValue4;              /* LSB */
} ZW_TARIFF_TBL_REPORT_FRAME;

/*****
/* Tariff Tbl Supplier Get command class structs */
*****/
typedef struct _ZW_TARIFF_TBL_SUPPLIER_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
} ZW_TARIFF_TBL_SUPPLIER_GET_FRAME;

/*****
/* Tariff Tbl Supplier Report 1byte command class structs */
*****/
typedef struct _ZW_TARIFF_TBL_SUPPLIER_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    year1;                     /* MSB */
    BYTE    year2;                     /* LSB */
    BYTE    month;                     /**/
    BYTE    day;                       /**/
    BYTE    hourLocalTime;             /**/
    BYTE    minuteLocalTime;           /**/
    BYTE    secondLocalTime;           /**/
    BYTE    currency1;                 /* MSB */
    BYTE    currency2;                 /* LSB */
    BYTE    currency3;                 /* masked byte */
    BYTE    properties1;                /* MSB */
    BYTE    standingChargeValue1;
    BYTE    standingChargeValue2;
    BYTE    standingChargeValue3;
    BYTE    standingChargeValue4;      /* LSB */
    BYTE    properties2;                /* masked 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 */
    BYTE    cmd;                /* The command */
    BYTE    year1;              /* MSB */
    BYTE    year2;              /* LSB */
    BYTE    month;              /**/
    BYTE    day;                /**/
    BYTE    hourLocalTime;      /**/
    BYTE    minuteLocalTime;    /**/
    BYTE    secondLocalTime;    /**/
    BYTE    currency1;          /* MSB */
    BYTE    currency2;          /* LSB */
    BYTE    currency3;          /* masked byte */
    BYTE    properties1;        /* MSB */
    BYTE    standingChargeValue1; /* MSB */
    BYTE    standingChargeValue2;
    BYTE    standingChargeValue3;
    BYTE    standingChargeValue4; /* LSB */
    BYTE    properties2;        /* masked byte */
    BYTE    supplierCharacter1;  /* MSB */
    BYTE    supplierCharacter2;  /* LSB */
} ZW_TARIFF_TBL_SUPPLIER_REPORT_2BYTE_FRAME;

/*****
/* Tariff Tbl Supplier Report 3byte command class structs */
*****/
typedef struct _ZW_TARIFF_TBL_SUPPLIER_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    year1;              /* MSB */
    BYTE    year2;              /* LSB */
    BYTE    month;              /**/
    BYTE    day;                /**/
    BYTE    hourLocalTime;      /**/
    BYTE    minuteLocalTime;    /**/
    BYTE    secondLocalTime;    /**/
    BYTE    currency1;          /* MSB */
    BYTE    currency2;          /* LSB */
    BYTE    currency3;          /* masked byte */
    BYTE    properties1;        /* MSB */
    BYTE    standingChargeValue1; /* MSB */
    BYTE    standingChargeValue2;
    BYTE    standingChargeValue3;
    BYTE    standingChargeValue4; /* LSB */
    BYTE    properties2;        /* masked byte */
    BYTE    supplierCharacter1;  /* MSB */
    BYTE    supplierCharacter2;  /* LSB */
    BYTE    supplierCharacter3;  /* LSB */
} ZW_TARIFF_TBL_SUPPLIER_REPORT_3BYTE_FRAME;

/*****
/* Tariff Tbl Supplier Report 4byte command class structs */
*****/
typedef struct _ZW_TARIFF_TBL_SUPPLIER_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    year1;              /* MSB */
    BYTE    year2;              /* LSB */
    BYTE    month;              /**/
    BYTE    day;                /**/
    BYTE    hourLocalTime;      /**/
    BYTE    minuteLocalTime;    /**/
    BYTE    secondLocalTime;    /**/
    BYTE    currency1;          /* MSB */
    BYTE    currency2;          /* LSB */
    BYTE    currency3;          /* masked byte */
    BYTE    properties1;        /* MSB */
    BYTE    standingChargeValue1; /* MSB */
    BYTE    standingChargeValue2;
    BYTE    standingChargeValue3;
    BYTE    standingChargeValue4; /* LSB */
    BYTE    properties2;        /* masked byte */
    BYTE    supplierCharacter1;  /* MSB */
}
```

```

    BYTE    supplierCharacter2;
    BYTE    supplierCharacter3;
    BYTE    supplierCharacter4;          /* LSB */
} ZW_TARIFF_TBL_SUPPLIER_REPORT_4BYTE_FRAME;

/*****/
/* Thermostat Fan Mode Get command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_FAN_MODE_GET_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
} ZW_THERMOSTAT_FAN_MODE_GET_FRAME;

/*****/
/* Thermostat Fan Mode Report command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_FAN_MODE_REPORT_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    level;                      /* masked byte */
} ZW_THERMOSTAT_FAN_MODE_REPORT_FRAME;

/*****/
/* Thermostat Fan Mode Set command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_FAN_MODE_SET_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    level;                      /* masked byte */
} ZW_THERMOSTAT_FAN_MODE_SET_FRAME;

/*****/
/* Thermostat Fan Mode Supported Get command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_FRAME_
{
    BYTE    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;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    bitMask1;
} 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_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    bitMask1;                  /* MSB */
    BYTE    bitMask2;                  /* LSB */
} 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_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    bitMask1;                  /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;                  /* LSB */
} 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_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    bitMask1;               /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;               /* LSB */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_THERMOSTAT_FAN_MODE_GET_V2_FRAME;

/*****/
/* Thermostat Fan Mode Report V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_FAN_MODE_REPORT_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    level;                  /* 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    level;                  /* masked byte */
} ZW_THERMOSTAT_FAN_MODE_SET_V2_FRAME;

/*****/
/* Thermostat Fan Mode Supported Get V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    bitMask1;
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    bitMask1;               /* MSB */
    BYTE    bitMask2;               /* 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    bitMask1;               /* MSB */
    BYTE    bitMask2;
    BYTE    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;           /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_THERMOSTAT_FAN_MODE_GET_V3_FRAME;

/*****/
/* Thermostat Fan Mode Report V3 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_FAN_MODE_REPORT_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
} ZW_THERMOSTAT_FAN_MODE_REPORT_V3_FRAME;

/*****/
/* Thermostat Fan Mode Set V3 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_FAN_MODE_SET_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
} ZW_THERMOSTAT_FAN_MODE_SET_V3_FRAME;

/*****/
/* Thermostat Fan Mode Supported Get V3 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_V3_FRAME;

/*****/
/* Thermostat Fan Mode Supported Report 1byte V3 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;           /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;           /* LSB */
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_4BYTE_V3_FRAME;

/*****
/* Thermostat Fan Mode Get V4 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_FAN_MODE_GET_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_THERMOSTAT_FAN_MODE_GET_V4_FRAME;

/*****
/* Thermostat Fan Mode Report V4 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_FAN_MODE_REPORT_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_THERMOSTAT_FAN_MODE_SUPPORTED_GET_V4_FRAME;

/*****
/* Thermostat Fan Mode Supported Report 1byte V4 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_1BYTE_V4_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */

```

```

        BYTE        bitMask2;
        BYTE        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;
        BYTE        cmd;
        BYTE        bitMask1;
        BYTE        bitMask2;
        BYTE        bitMask3;
        BYTE        bitMask4;
    } ZW_THERMOSTAT_FAN_MODE_SUPPORTED_REPORT_4BYTE_V4_FRAME;

    /******
    /* Thermostat Fan State Get command class structs */
    /******
    typedef struct _ZW_THERMOSTAT_FAN_STATE_GET_FRAME_
    {
        BYTE        cmdClass;
        BYTE        cmd;
    } ZW_THERMOSTAT_FAN_STATE_GET_FRAME;

    /******
    /* Thermostat Fan State Report command class structs */
    /******
    typedef struct _ZW_THERMOSTAT_FAN_STATE_REPORT_FRAME_
    {
        BYTE        cmdClass;
        BYTE        cmd;
        BYTE        level;
    } ZW_THERMOSTAT_FAN_STATE_REPORT_FRAME;

    /******
    /* Thermostat Fan State Get V2 command class structs */
    /******
    typedef struct _ZW_THERMOSTAT_FAN_STATE_GET_V2_FRAME_
    {
        BYTE        cmdClass;
        BYTE        cmd;
    } ZW_THERMOSTAT_FAN_STATE_GET_V2_FRAME;

    /******
    /* Thermostat Fan State Report V2 command class structs */
    /******
    typedef struct _ZW_THERMOSTAT_FAN_STATE_REPORT_V2_FRAME_
    {
        BYTE        cmdClass;
        BYTE        cmd;
        BYTE        level;
    } ZW_THERMOSTAT_FAN_STATE_REPORT_V2_FRAME;

    /******
    /* Thermostat Heating Status Report command class structs */
    /******
    typedef struct _ZW_THERMOSTAT_HEATING_STATUS_REPORT_FRAME_
    {
        BYTE        cmdClass;
        BYTE        cmd;
        BYTE        status;
    } ZW_THERMOSTAT_HEATING_STATUS_REPORT_FRAME;

    /******
    /* Thermostat Heating Mode Get command class structs */
    /******
    typedef struct _ZW_THERMOSTAT_HEATING_MODE_GET_FRAME_
    {
        BYTE        cmdClass;
        BYTE        cmd;
    } ZW_THERMOSTAT_HEATING_MODE_GET_FRAME;

    /******
    /* Thermostat Heating Mode Report command class structs */
    /******
    typedef struct _ZW_THERMOSTAT_HEATING_MODE_REPORT_FRAME_
    {
        BYTE        cmdClass;
        BYTE        cmd;
    }

```

```
    BYTE    mode;                                /**/
} ZW_THERMOSTAT_HEATING_MODE_REPORT_FRAME;

/*****
/* Thermostat Heating Mode Set command class structs */
*****/
typedef struct _ZW_THERMOSTAT_HEATING_MODE_SET_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    mode;                                /**/
} ZW_THERMOSTAT_HEATING_MODE_SET_FRAME;

/*****
/* Thermostat Heating Relay Status Get command class structs */
*****/
typedef struct _ZW_THERMOSTAT_HEATING_RELAY_STATUS_GET_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
} ZW_THERMOSTAT_HEATING_RELAY_STATUS_GET_FRAME;

/*****
/* Thermostat Heating Relay Status Report command class structs */
*****/
typedef struct _ZW_THERMOSTAT_HEATING_RELAY_STATUS_REPORT_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    relayStatus;                        /**/
} ZW_THERMOSTAT_HEATING_RELAY_STATUS_REPORT_FRAME;

/*****
/* Thermostat Heating Setpoint Get command class structs */
*****/
typedef struct _ZW_THERMOSTAT_HEATING_SETPOINT_GET_FRAME_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    setpointNr;                        /**/
} 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 */
    BYTE    cmd;                                /* The command */
    BYTE    setpointNr;                        /**/
    BYTE    properties1;                        /* masked 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 */
    BYTE    cmd;                                /* The command */
    BYTE    setpointNr;                        /**/
    BYTE    properties1;                        /* masked byte */
    BYTE    value1;                            /* MSB */
    BYTE    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_
{
    BYTE    cmdClass;                            /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    setpointNr;                        /**/
    BYTE    properties1;                        /* masked byte */
    BYTE    value1;                            /* MSB */
    BYTE    value2;
    BYTE    value3;                            /* LSB */
} ZW_THERMOSTAT_HEATING_SETPOINT_REPORT_3BYTE_FRAME;
```



```

/*****
/* Thermostat Heating Setpoint Report 4byte command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_HEATING_SETPOINT_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    setpointNr;         /**/
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;             /* LSB */
} ZW_THERMOSTAT_HEATING_SETPOINT_REPORT_4BYTE_FRAME;

/*****
/* Thermostat Heating Setpoint Set 1byte command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_HEATING_SETPOINT_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    setpointNr;         /**/
    BYTE    properties1;        /* masked byte */
    BYTE    value1;
} ZW_THERMOSTAT_HEATING_SETPOINT_SET_1BYTE_FRAME;

/*****
/* Thermostat Heating Setpoint Set 2byte command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_HEATING_SETPOINT_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    setpointNr;         /**/
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;             /* LSB */
} ZW_THERMOSTAT_HEATING_SETPOINT_SET_2BYTE_FRAME;

/*****
/* Thermostat Heating Setpoint Set 3byte command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_HEATING_SETPOINT_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    setpointNr;         /**/
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;
    BYTE    value3;             /* LSB */
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    setpointNr;         /**/
    BYTE    properties1;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;             /* LSB */
} ZW_THERMOSTAT_HEATING_SETPOINT_SET_4BYTE_FRAME;

/*****
/* Thermostat Heating Status Get command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_HEATING_STATUS_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_THERMOSTAT_HEATING_STATUS_GET_FRAME;

/*****
/* Thermostat Heating Status Set command class structs */
/*****/

```

```
typedef struct _ZW_THERMOSTAT_HEATING_STATUS_SET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    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 */
    BYTE    cmd;               /* The command */
    BYTE    minutes;           /**/
    BYTE    hours;             /**/
} ZW_THERMOSTAT_HEATING_TIMED_OFF_SET_FRAME;

/*****/
/* Thermostat Mode Get command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_MODE_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_THERMOSTAT_MODE_GET_FRAME;

/*****/
/* Thermostat Mode Report command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_MODE_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
} ZW_THERMOSTAT_MODE_REPORT_FRAME;

/*****/
/* Thermostat Mode Set command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_MODE_SET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
} ZW_THERMOSTAT_MODE_SET_FRAME;

/*****/
/* Thermostat Mode Supported Get command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    bitMask1;          /* masked byte */
} ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_1BYTE_FRAME;

/*****/
/* Thermostat Mode Supported Report 2byte command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;          /* LSB */
} 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 */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;          /* LSB */
} 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 */
    BYTE    cmd;               /* The command */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;          /* LSB */
} ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_4BYTE_FRAME;

/*****/
/* Thermostat Mode Get V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_MODE_GET_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} 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 */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
} ZW_THERMOSTAT_MODE_REPORT_V2_FRAME;

/*****/
/* Thermostat Mode Set V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_MODE_SET_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
} ZW_THERMOSTAT_MODE_SET_V2_FRAME;

/*****/
/* Thermostat Mode Supported Get V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_GET_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    bitMask1;
} ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_1BYTE_V2_FRAME;

/*****/
/* Thermostat Mode Supported Report 2byte V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;          /* LSB */
} ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_2BYTE_V2_FRAME;

/*****/

```

```
/* Thermostat Mode Supported Report 3byte V2 command class structs */
/*****
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_3BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      bitMask1;          /* MSB */
    BYTE      bitMask2;
    BYTE      bitMask3;          /* LSB */
} 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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      bitMask1;          /* MSB */
    BYTE      bitMask2;
    BYTE      bitMask3;
    BYTE      bitMask4;          /* LSB */
} ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_4BYTE_V2_FRAME;

/*****/
/* Thermostat Mode Get V3 command class structs */
/*****
typedef struct _ZW_THERMOSTAT_MODE_GET_V3_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_THERMOSTAT_MODE_GET_V3_FRAME;

/*****/
/* Thermostat Mode Report 1byte V3 command class structs */
/*****
typedef struct _ZW_THERMOSTAT_MODE_REPORT_1BYTE_V3_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      level;             /* masked byte */
    BYTE      manufacturerData1;
} ZW_THERMOSTAT_MODE_REPORT_1BYTE_V3_FRAME;

/*****/
/* Thermostat Mode Report 2byte V3 command class structs */
/*****
typedef struct _ZW_THERMOSTAT_MODE_REPORT_2BYTE_V3_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      level;             /* masked byte */
    BYTE      manufacturerData1; /* MSB */
    BYTE      manufacturerData2; /* LSB */
} ZW_THERMOSTAT_MODE_REPORT_2BYTE_V3_FRAME;

/*****/
/* Thermostat Mode Report 3byte V3 command class structs */
/*****
typedef struct _ZW_THERMOSTAT_MODE_REPORT_3BYTE_V3_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      level;             /* masked byte */
    BYTE      manufacturerData1; /* MSB */
    BYTE      manufacturerData2;
    BYTE      manufacturerData3; /* LSB */
} ZW_THERMOSTAT_MODE_REPORT_3BYTE_V3_FRAME;

/*****/
/* Thermostat Mode Report 4byte V3 command class structs */
/*****
typedef struct _ZW_THERMOSTAT_MODE_REPORT_4BYTE_V3_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      level;             /* masked byte */
    BYTE      manufacturerData1; /* MSB */
    BYTE      manufacturerData2;
    BYTE      manufacturerData3;
    BYTE      manufacturerData4; /* LSB */
}
```

```

} ZW_THERMOSTAT_MODE_REPORT_4BYTE_V3_FRAME;

/*****/
/* Thermostat Mode Set 1byte V3 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_MODE_SET_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
    BYTE    manufacturerData1;
} ZW_THERMOSTAT_MODE_SET_1BYTE_V3_FRAME;

/*****/
/* Thermostat Mode Set 2byte V3 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_MODE_SET_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
    BYTE    manufacturerData1; /* MSB */
    BYTE    manufacturerData2; /* LSB */
} ZW_THERMOSTAT_MODE_SET_2BYTE_V3_FRAME;

/*****/
/* Thermostat Mode Set 3byte V3 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_MODE_SET_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
    BYTE    manufacturerData1; /* MSB */
    BYTE    manufacturerData2;
    BYTE    manufacturerData3; /* LSB */
} ZW_THERMOSTAT_MODE_SET_3BYTE_V3_FRAME;

/*****/
/* Thermostat Mode Set 4byte V3 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_MODE_SET_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
    BYTE    manufacturerData1; /* MSB */
    BYTE    manufacturerData2;
    BYTE    manufacturerData3;
    BYTE    manufacturerData4; /* LSB */
} 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 */
    BYTE    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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    bitMask1;
} ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_1BYTE_V3_FRAME;

/*****/
/* Thermostat Mode Supported Report 2byte V3 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;          /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;           /* LSB */
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;           /* LSB */
} ZW_THERMOSTAT_MODE_SUPPORTED_REPORT_4BYTE_V3_FRAME;

/*****
/* Thermostat Operating State Get command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_THERMOSTAT_OPERATING_STATE_GET_FRAME;

/*****
/* Thermostat Operating State Report command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    level;              /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_THERMOSTAT_OPERATING_STATE_GET_V2_FRAME;

/*****
/* Thermostat Operating State Report V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_REPORT_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_THERMOSTAT_OPERATING_STATE_LOGGING_SUPPORTED_GET_V2_FRAME;

/*****
/* Thermostat Operating Logging Supported Report 1byte V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_OPERATING_LOGGING_SUPPORTED_REPORT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
    BYTE    bitMask3;           /* LSB */
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
    BYTE    bitMask3;           /* LSB */
    BYTE    bitMask4;           /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
} ZW_THERMOSTAT_OPERATING_STATE_LOGGING_GET_1BYTE_V2_FRAME;

/*****/
/* Thermostat Operating State Logging Get 2byte V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_LOGGING_GET_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
    BYTE    bitMask3;           /* LSB */
} ZW_THERMOSTAT_OPERATING_STATE_LOGGING_GET_3BYTE_V2_FRAME;

/*****/
/* Thermostat Operating State Logging Get 4byte V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_OPERATING_STATE_LOGGING_GET_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
    BYTE    bitMask3;           /* LSB */
}
```

```
    BYTE    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_
{
    BYTE    properties1;              /* masked byte */
    BYTE    usageTodayHours;          /**/
    BYTE    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_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    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_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    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_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    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_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    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;    /**/
    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_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
} ZW_THERMOSTAT_SETBACK_GET_FRAME;

/*****
/* Thermostat Setback Report command class structs */
*****/
typedef struct _ZW_THERMOSTAT_SETBACK_REPORT_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
}
```



```

        BYTE    properties1;                /* masked byte */
        BYTE    setbackState;              /**/
    } ZW_THERMOSTAT_SETBACK_REPORT_FRAME;

/*****
/* Thermostat Setback Set command class structs */
*****/
typedef struct _ZW_THERMOSTAT_SETBACK_SET_FRAME_
{
    BYTE    cmdClass;                      /* The command class */
    BYTE    cmd;                          /* The command */
    BYTE    properties1;                  /* masked byte */
    BYTE    setbackState;                /**/
} ZW_THERMOSTAT_SETBACK_SET_FRAME;

/*****
/* Thermostat Setpoint Get command class structs */
*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_GET_FRAME_
{
    BYTE    cmdClass;                      /* The command class */
    BYTE    cmd;                          /* The command */
    BYTE    level;                        /* masked 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 */
    BYTE    cmd;                          /* The command */
    BYTE    level;                        /* masked byte */
    BYTE    level2;                       /* masked byte */
    BYTE    value1;
} ZW_THERMOSTAT_SETPOINT_REPORT_1BYTE_FRAME;

/*****
/* Thermostat Setpoint Report 2byte command class structs */
*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                      /* The command class */
    BYTE    cmd;                          /* The command */
    BYTE    level;                        /* masked byte */
    BYTE    level2;                       /* masked byte */
    BYTE    value1;                       /* MSB */
    BYTE    value2;                       /* LSB */
} ZW_THERMOSTAT_SETPOINT_REPORT_2BYTE_FRAME;

/*****
/* Thermostat Setpoint Report 3byte command class structs */
*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                      /* The command class */
    BYTE    cmd;                          /* The command */
    BYTE    level;                        /* masked byte */
    BYTE    level2;                       /* masked byte */
    BYTE    value1;                       /* MSB */
    BYTE    value2;
    BYTE    value3;                       /* LSB */
} ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_FRAME;

/*****
/* Thermostat Setpoint Report 4byte command class structs */
*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                      /* The command class */
    BYTE    cmd;                          /* The command */
    BYTE    level;                        /* masked byte */
    BYTE    level2;                       /* masked byte */
    BYTE    value1;                       /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;                       /* LSB */
} 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 */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
    BYTE    level2;            /* masked byte */
    BYTE    value1;
} ZW_THERMOSTAT_SETPOINT_SET_1BYTE_FRAME;

/*****
/* Thermostat Setpoint Set 2byte command class structs */
/*****
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
    BYTE    level2;            /* masked byte */
    BYTE    value1;            /* MSB */
    BYTE    value2;            /* LSB */
} ZW_THERMOSTAT_SETPOINT_SET_2BYTE_FRAME;

/*****
/* Thermostat Setpoint Set 3byte command class structs */
/*****
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
    BYTE    level2;            /* masked byte */
    BYTE    value1;            /* MSB */
    BYTE    value2;
    BYTE    value3;            /* LSB */
} ZW_THERMOSTAT_SETPOINT_SET_3BYTE_FRAME;

/*****
/* Thermostat Setpoint Set 4byte command class structs */
/*****
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_4BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
    BYTE    level2;            /* masked byte */
    BYTE    value1;            /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;            /* LSB */
} ZW_THERMOSTAT_SETPOINT_SET_4BYTE_FRAME;

/*****
/* Thermostat Setpoint Supported Get command class structs */
/*****
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    bitMask1;
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_1BYTE_FRAME;

/*****
/* Thermostat Setpoint Supported Report 2byte command class structs */
/*****
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;          /* LSB */
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_2BYTE_FRAME;

```

```

/*****
/* Thermostat Setpoint Supported Report 3byte command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;           /* LSB */
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_3BYTE_FRAME;

/*****
/* Thermostat Setpoint Supported Report 4byte command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;           /* LSB */
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_4BYTE_FRAME;

/*****
/* Thermostat Setpoint Get V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    level;              /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    level;              /* masked byte */
    BYTE    level2;             /* masked byte */
    BYTE    value1;
} ZW_THERMOSTAT_SETPOINT_REPORT_1BYTE_V2_FRAME;

/*****
/* Thermostat Setpoint Report 2byte V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    level;              /* masked byte */
    BYTE    level2;             /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;             /* LSB */
} ZW_THERMOSTAT_SETPOINT_REPORT_2BYTE_V2_FRAME;

/*****
/* Thermostat Setpoint Report 3byte V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    level;              /* masked byte */
    BYTE    level2;             /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;
    BYTE    value3;             /* LSB */
} ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_V2_FRAME;

/*****
/* Thermostat Setpoint Report 4byte V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */

```

```

    BYTE    cmd;                                /* The command */
    BYTE    level;                              /* masked byte */
    BYTE    level2;                             /* masked byte */
    BYTE    value1;                             /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;                             /* LSB */
} ZW_THERMOSTAT_SETPOINT_REPORT_4BYTE_V2_FRAME;

/*****/
/* Thermostat Setpoint Set 1byte V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    level;                              /* masked byte */
    BYTE    level2;                             /* masked byte */
    BYTE    value1;
} ZW_THERMOSTAT_SETPOINT_SET_1BYTE_V2_FRAME;

/*****/
/* Thermostat Setpoint Set 2byte V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    level;                              /* masked byte */
    BYTE    level2;                             /* masked byte */
    BYTE    value1;                             /* MSB */
    BYTE    value2;                             /* LSB */
} 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 */
    BYTE    cmd;                                /* The command */
    BYTE    level;                              /* masked byte */
    BYTE    level2;                             /* masked byte */
    BYTE    value1;                             /* MSB */
    BYTE    value2;
    BYTE    value3;                             /* LSB */
} ZW_THERMOSTAT_SETPOINT_SET_3BYTE_V2_FRAME;

/*****/
/* Thermostat Setpoint Set 4byte V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    level;                              /* masked byte */
    BYTE    level2;                             /* masked byte */
    BYTE    value1;                             /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;                             /* LSB */
} ZW_THERMOSTAT_SETPOINT_SET_4BYTE_V2_FRAME;

/*****/
/* Thermostat Setpoint Supported Get V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_GET_V2_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_GET_V2_FRAME;

/*****/
/* Thermostat Setpoint Supported Report 1byte V2 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                                /* The command */
    BYTE    bitMask1;
} 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;          /* LSB */
} 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;          /* LSB */
    BYTE    bitMask3;          /* LSB */
} 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_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    bitMask1;          /* MSB */
    BYTE    bitMask2;          /* LSB */
    BYTE    bitMask3;          /* LSB */
    BYTE    bitMask4;          /* LSB */
} ZW_THERMOSTAT_SETPOINT_SUPPORTED_REPORT_4BYTE_V2_FRAME;

/*****
/* Thermostat Setpoint Get V3 command class structs */
/*****
typedef struct _ZW_THERMOSTAT_SETPOINT_GET_V3_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
} ZW_THERMOSTAT_SETPOINT_GET_V3_FRAME;

/*****
/* Thermostat Setpoint Report 1byte V3 command class structs */
/*****
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
    BYTE    level2;            /* masked byte */
    BYTE    value1;
} ZW_THERMOSTAT_SETPOINT_REPORT_1BYTE_V3_FRAME;

/*****
/* Thermostat Setpoint Report 2byte V3 command class structs */
/*****
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
    BYTE    level2;            /* masked byte */
    BYTE    value1;            /* MSB */
    BYTE    value2;            /* LSB */
} ZW_THERMOSTAT_SETPOINT_REPORT_2BYTE_V3_FRAME;

/*****
/* Thermostat Setpoint Report 3byte V3 command class structs */
/*****
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    level;             /* masked byte */
    BYTE    level2;            /* masked byte */

```

```

    BYTE    value1;                                /* MSB */
    BYTE    value2;
    BYTE    value3;                                /* LSB */
} ZW_THERMOSTAT_SETPOINT_REPORT_3BYTE_V3_FRAME;

/*****/
/* Thermostat Setpoint Report 4byte V3 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_REPORT_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;                              /* The command class */
    BYTE    cmd;                                    /* The command */
    BYTE    level;                                  /* masked byte */
    BYTE    level2;                                 /* masked byte */
    BYTE    value1;                                /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;                                /* LSB */
} ZW_THERMOSTAT_SETPOINT_REPORT_4BYTE_V3_FRAME;

/*****/
/* Thermostat Setpoint Set 1byte V3 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;                              /* The command class */
    BYTE    cmd;                                    /* The command */
    BYTE    level;                                  /* masked byte */
    BYTE    level2;                                 /* masked byte */
    BYTE    value1;
} ZW_THERMOSTAT_SETPOINT_SET_1BYTE_V3_FRAME;

/*****/
/* Thermostat Setpoint Set 2byte V3 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;                              /* The command class */
    BYTE    cmd;                                    /* The command */
    BYTE    level;                                  /* masked byte */
    BYTE    level2;                                 /* masked byte */
    BYTE    value1;                                /* MSB */
    BYTE    value2;                                /* 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_
{
    BYTE    cmdClass;                              /* The command class */
    BYTE    cmd;                                    /* The command */
    BYTE    level;                                  /* masked byte */
    BYTE    level2;                                 /* masked byte */
    BYTE    value1;                                /* MSB */
    BYTE    value2;
    BYTE    value3;                                /* LSB */
} ZW_THERMOSTAT_SETPOINT_SET_3BYTE_V3_FRAME;

/*****/
/* Thermostat Setpoint Set 4byte V3 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_SET_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;                              /* The command class */
    BYTE    cmd;                                    /* The command */
    BYTE    level;                                  /* masked byte */
    BYTE    level2;                                 /* masked byte */
    BYTE    value1;                                /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;                                /* LSB */
} ZW_THERMOSTAT_SETPOINT_SET_4BYTE_V3_FRAME;

/*****/
/* Thermostat Setpoint Supported Get V3 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_SUPPORTED_GET_V3_FRAME_
{
    BYTE    cmdClass;                              /* The command class */
    BYTE    cmd;                                    /* The command */

```

```
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;           /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    minValuel;
    BYTE    properties3;        /* masked byte */
    BYTE    maxvaluel;
} ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_1BYTE_V3_FRAME;

/*****/
/* Thermostat Setpoint Capabilities Report 2byte V3 command class structs */
/*****/
typedef struct _ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
}
```

```

    BYTE    minValue1;                /* MSB */
    BYTE    minValue2;                /* LSB */
    BYTE    properties3;              /* masked byte */
    BYTE    maxValue1;                /* MSB */
    BYTE    maxValue2;                /* LSB */
} 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    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    properties1;              /* masked byte */
    BYTE    properties2;              /* masked byte */
    BYTE    minValue1;                /* MSB */
    BYTE    minValue2;                /* LSB */
    BYTE    minValue3;                /* LSB */
    BYTE    properties3;              /* masked byte */
    BYTE    maxValue1;                /* MSB */
    BYTE    maxValue2;                /* LSB */
} 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 */
    BYTE    cmd;                      /* The command */
    BYTE    properties1;              /* masked byte */
    BYTE    properties2;              /* masked byte */
    BYTE    minValue1;                /* MSB */
    BYTE    minValue2;                /* LSB */
    BYTE    minValue3;                /* LSB */
    BYTE    minValue4;                /* LSB */
    BYTE    properties3;              /* masked byte */
    BYTE    maxValue1;                /* MSB */
    BYTE    maxValue2;                /* LSB */
    BYTE    maxValue3;                /* LSB */
    BYTE    maxValue4;                /* LSB */
} ZW_THERMOSTAT_SETPOINT_CAPABILITIES_REPORT_4BYTE_V3_FRAME;

/*****/
/* Time Parameters Get command class structs */
/*****/
typedef struct _ZW_TIME_PARAMETERS_GET_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
} ZW_TIME_PARAMETERS_GET_FRAME;

/*****/
/* Time Parameters Report command class structs */
/*****/
typedef struct _ZW_TIME_PARAMETERS_REPORT_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    year1;                    /* MSB */
    BYTE    year2;                    /* LSB */
    BYTE    month;                    /* */
    BYTE    day;                      /* */
    BYTE    hourUtc;                  /* */
    BYTE    minuteUtc;                /* */
    BYTE    secondUtc;                /* */
} ZW_TIME_PARAMETERS_REPORT_FRAME;

/*****/
/* Time Parameters Set command class structs */
/*****/
typedef struct _ZW_TIME_PARAMETERS_SET_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    year1;                    /* MSB */
    BYTE    year2;                    /* LSB */
    BYTE    month;                    /* */
    BYTE    day;                      /* */

```



```

    BYTE    hourUtc;                /**/
    BYTE    minuteUtc;              /**/
    BYTE    secondUtc;              /**/
} ZW_TIME_PARAMETERS_SET_FRAME;

/*****/
/* Date Get command class structs */
/*****/
typedef struct _ZW_DATE_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_DATE_GET_FRAME;

/*****/
/* Date Report command class structs */
/*****/
typedef struct _ZW_DATE_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    year1;                   /* MSB */
    BYTE    year2;                   /* LSB */
    BYTE    month;                   /**/
    BYTE    day;                     /**/
} ZW_DATE_REPORT_FRAME;

/*****/
/* Time Get command class structs */
/*****/
typedef struct _ZW_TIME_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_TIME_GET_FRAME;

/*****/
/* Time Report command class structs */
/*****/
typedef struct _ZW_TIME_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    hourLocalTime;           /* masked byte */
    BYTE    minuteLocalTime;         /**/
    BYTE    secondLocalTime;         /**/
} ZW_TIME_REPORT_FRAME;

/*****/
/* Date Get V2 command class structs */
/*****/
typedef struct _ZW_DATE_GET_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_DATE_GET_V2_FRAME;

/*****/
/* Date Report V2 command class structs */
/*****/
typedef struct _ZW_DATE_REPORT_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    year1;                   /* MSB */
    BYTE    year2;                   /* LSB */
    BYTE    month;                   /**/
    BYTE    day;                     /**/
} ZW_DATE_REPORT_V2_FRAME;

/*****/
/* Time Get V2 command class structs */
/*****/
typedef struct _ZW_TIME_GET_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_TIME_GET_V2_FRAME;

/*****/
/* Time Offset Get V2 command class structs */

```

```

/*****/
typedef struct _ZW_TIME_OFFSET_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    level;              /* masked byte */
    BYTE    minuteTzo;          /* */
    BYTE    level2;             /* masked byte */
    BYTE    monthStartDst;      /* */
    BYTE    dayStartDst;        /* */
    BYTE    hourStartDst;       /* */
    BYTE    monthEndDst;        /* */
    BYTE    dayEndDst;          /* */
    BYTE    hourEndDst;         /* */
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    level;              /* masked byte */
    BYTE    minuteTzo;          /* */
    BYTE    level2;             /* masked byte */
    BYTE    monthStartDst;      /* */
    BYTE    dayStartDst;        /* */
    BYTE    hourStartDst;       /* */
    BYTE    monthEndDst;        /* */
    BYTE    dayEndDst;          /* */
    BYTE    hourEndDst;         /* */
} ZW_TIME_OFFSET_SET_V2_FRAME;

/*****/
/* Time Report V2 command class structs */
/*****/
typedef struct _ZW_TIME_REPORT_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    hourLocalTime;      /* masked byte */
    BYTE    minuteLocalTime;    /* */
    BYTE    secondLocalTime;     /* */
} ZW_TIME_REPORT_V2_FRAME;

/*****/
/* Command First Segment 1byte V2 command class structs */
/*****/
typedef struct _ZW_COMMAND_FIRST_SEGMENT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd_datagramSize1;  /* The command + parameter datagram_size_1 */
    BYTE    datagramSize2;      /* */
    BYTE    properties2;        /* masked byte */
    BYTE    headerExtensionLength; /* */
    BYTE    payload1;
    BYTE    frameCheckSequence1; /* MSB */
    BYTE    frameCheckSequence2; /* LSB */
} ZW_COMMAND_FIRST_SEGMENT_1BYTE_V2_FRAME;

/*****/
/* Command First Segment 2byte V2 command class structs */
/*****/
typedef struct _ZW_COMMAND_FIRST_SEGMENT_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd_datagramSize1;  /* The command + parameter datagram_size_1 */
    BYTE    datagramSize2;      /* */
    BYTE    properties2;        /* masked byte */
    BYTE    headerExtensionLength; /* */

```

```

    BYTE    headerExtension1;          /* MSB */
    BYTE    headerExtension2;          /* LSB */
    BYTE    payload1;                  /* MSB */
    BYTE    payload2;                  /* LSB */
    BYTE    frameCheckSequence1;       /* MSB */
    BYTE    frameCheckSequence2;       /* LSB */
} ZW_COMMAND_FIRST_SEGMENT_2BYTE_V2_FRAME;

/*****/
/* Command First Segment 3byte V2 command class structs */
/*****/
typedef struct _ZW_COMMAND_FIRST_SEGMENT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd_datagramSize1;         /* The command + parameter datagram_size_1 */
    BYTE    datagramSize2;             /**/
    BYTE    properties2;               /* masked byte */
    BYTE    headerExtensionLength;     /**/
    BYTE    headerExtension1;          /* MSB */
    BYTE    headerExtension2;
    BYTE    headerExtension3;          /* LSB */
    BYTE    payload1;                  /* MSB */
    BYTE    payload2;
    BYTE    payload3;                  /* LSB */
    BYTE    frameCheckSequence1;       /* MSB */
    BYTE    frameCheckSequence2;       /* LSB */
} 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    cmdClass;                  /* The command class */
    BYTE    cmd_datagramSize1;         /* The command + parameter datagram_size_1 */
    BYTE    datagramSize2;             /**/
    BYTE    properties2;               /* masked byte */
    BYTE    headerExtensionLength;     /**/
    BYTE    headerExtension1;          /* MSB */
    BYTE    headerExtension2;
    BYTE    headerExtension3;
    BYTE    headerExtension4;          /* LSB */
    BYTE    payload1;                  /* MSB */
    BYTE    payload2;
    BYTE    payload3;
    BYTE    payload4;                  /* LSB */
    BYTE    frameCheckSequence1;       /* MSB */
    BYTE    frameCheckSequence2;       /* LSB */
} ZW_COMMAND_FIRST_SEGMENT_4BYTE_V2_FRAME;

/*****/
/* Command Segment Complete V2 command class structs */
/*****/
typedef struct _ZW_COMMAND_SEGMENT_COMPLETE_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd_reserved;              /* The command + parameter reserved */
    BYTE    properties2;               /* masked byte */
} ZW_COMMAND_SEGMENT_COMPLETE_V2_FRAME;

/*****/
/* Command Segment Request V2 command class structs */
/*****/
typedef struct _ZW_COMMAND_SEGMENT_REQUEST_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd_reserved;              /* The command + parameter reserved */
    BYTE    properties2;               /* masked byte */
    BYTE    datagramOffset2;           /**/
} ZW_COMMAND_SEGMENT_REQUEST_V2_FRAME;

/*****/
/* Command Segment Wait V2 command class structs */
/*****/
typedef struct _ZW_COMMAND_SEGMENT_WAIT_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd_reserved;              /* The command + parameter reserved */
    BYTE    pendingFragments;          /**/
} ZW_COMMAND_SEGMENT_WAIT_V2_FRAME;

```

```

/*****
/* Command Subsequent Segment 1byte V2 command class structs */
/*****
typedef struct _ZW_COMMAND_SUBSEQUENT_SEGMENT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd_datagramSize1;       /* The command + parameter datagram_size_1 */
    BYTE    datagramSize2;           /**/
    BYTE    properties2;             /* masked byte */
    BYTE    datagramOffset2;         /**/
    BYTE    headerExtensionLength;    /**/
    BYTE    headerExtension1;
    BYTE    payload1;
    BYTE    frameCheckSequence1;     /* MSB */
    BYTE    frameCheckSequence2;     /* LSB */
} ZW_COMMAND_SUBSEQUENT_SEGMENT_1BYTE_V2_FRAME;

/*****
/* Command Subsequent Segment 2byte V2 command class structs */
/*****
typedef struct _ZW_COMMAND_SUBSEQUENT_SEGMENT_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd_datagramSize1;       /* The command + parameter datagram_size_1 */
    BYTE    datagramSize2;           /**/
    BYTE    properties2;             /* masked byte */
    BYTE    datagramOffset2;         /**/
    BYTE    headerExtensionLength;    /**/
    BYTE    headerExtension1;        /* MSB */
    BYTE    headerExtension2;        /* LSB */
    BYTE    payload1;                /* MSB */
    BYTE    payload2;                /* LSB */
    BYTE    frameCheckSequence1;     /* MSB */
    BYTE    frameCheckSequence2;     /* LSB */
} ZW_COMMAND_SUBSEQUENT_SEGMENT_2BYTE_V2_FRAME;

/*****
/* Command Subsequent Segment 3byte V2 command class structs */
/*****
typedef struct _ZW_COMMAND_SUBSEQUENT_SEGMENT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd_datagramSize1;       /* The command + parameter datagram_size_1 */
    BYTE    datagramSize2;           /**/
    BYTE    properties2;             /* masked byte */
    BYTE    datagramOffset2;         /**/
    BYTE    headerExtensionLength;    /**/
    BYTE    headerExtension1;        /* MSB */
    BYTE    headerExtension2;
    BYTE    headerExtension3;        /* LSB */
    BYTE    payload1;                /* MSB */
    BYTE    payload2;
    BYTE    payload3;                /* LSB */
    BYTE    frameCheckSequence1;     /* MSB */
    BYTE    frameCheckSequence2;     /* LSB */
} ZW_COMMAND_SUBSEQUENT_SEGMENT_3BYTE_V2_FRAME;

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

/*****/

```

```

/* Command First Fragment 1byte command class structs */
/*****
typedef struct _ZW_COMMAND_FIRST_FRAGMENT_1BYTE_FRAME_
{
    BYTE      cmdClass;                /* The command class */
    BYTE      cmd_datagramSize1;       /* The command + parameter datagram_size_1 */
    BYTE      datagramSize2;           /**/
    BYTE      properties2;              /* masked byte */
    BYTE      payload1;
    BYTE      checksum1;                /* MSB */
    BYTE      checksum2;                /* LSB */
} ZW_COMMAND_FIRST_FRAGMENT_1BYTE_FRAME;

/*****
/* Command First Fragment 2byte command class structs */
/*****
typedef struct _ZW_COMMAND_FIRST_FRAGMENT_2BYTE_FRAME_
{
    BYTE      cmdClass;                /* The command class */
    BYTE      cmd_datagramSize1;       /* The command + parameter datagram_size_1 */
    BYTE      datagramSize2;           /**/
    BYTE      properties2;              /* masked byte */
    BYTE      payload1;                /* MSB */
    BYTE      payload2;                /* LSB */
    BYTE      checksum1;                /* MSB */
    BYTE      checksum2;                /* LSB */
} ZW_COMMAND_FIRST_FRAGMENT_2BYTE_FRAME;

/*****
/* Command First Fragment 3byte command class structs */
/*****
typedef struct _ZW_COMMAND_FIRST_FRAGMENT_3BYTE_FRAME_
{
    BYTE      cmdClass;                /* The command class */
    BYTE      cmd_datagramSize1;       /* The command + parameter datagram_size_1 */
    BYTE      datagramSize2;           /**/
    BYTE      properties2;              /* masked byte */
    BYTE      payload1;                /* MSB */
    BYTE      payload2;
    BYTE      payload3;                /* LSB */
    BYTE      checksum1;                /* MSB */
    BYTE      checksum2;                /* LSB */
} ZW_COMMAND_FIRST_FRAGMENT_3BYTE_FRAME;

/*****
/* Command First Fragment 4byte command class structs */
/*****
typedef struct _ZW_COMMAND_FIRST_FRAGMENT_4BYTE_FRAME_
{
    BYTE      cmdClass;                /* The command class */
    BYTE      cmd_datagramSize1;       /* The command + parameter datagram_size_1 */
    BYTE      datagramSize2;           /**/
    BYTE      properties2;              /* masked byte */
    BYTE      payload1;                /* MSB */
    BYTE      payload2;
    BYTE      payload3;
    BYTE      payload4;                /* LSB */
    BYTE      checksum1;                /* MSB */
    BYTE      checksum2;                /* LSB */
} ZW_COMMAND_FIRST_FRAGMENT_4BYTE_FRAME;

/*****
/* Command Subsequent Fragment 1byte command class structs */
/*****
typedef struct _ZW_COMMAND_SUBSEQUENT_FRAGMENT_1BYTE_FRAME_
{
    BYTE      cmdClass;                /* The command class */
    BYTE      cmd_datagramSize1;       /* The command + parameter datagram_size_1 */
    BYTE      datagramSize2;           /**/
    BYTE      properties2;              /* masked byte */
    BYTE      datagramOffset2;          /**/
    BYTE      payload1;
    BYTE      checksum1;                /* MSB */
    BYTE      checksum2;                /* LSB */
} ZW_COMMAND_SUBSEQUENT_FRAGMENT_1BYTE_FRAME;

/*****
/* Command Subsequent Fragment 2byte command class structs */
/*****
typedef struct _ZW_COMMAND_SUBSEQUENT_FRAGMENT_2BYTE_FRAME_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd_datagramSize1;       /* The command + parameter datagram_size_1 */
    BYTE    datagramSize2;           /**/
    BYTE    properties2;              /* masked byte */
    BYTE    datagramOffset2;         /**/
    BYTE    payload1;                 /* MSB */
    BYTE    payload2;                 /* LSB */
    BYTE    checksum1;                /* MSB */
    BYTE    checksum2;                /* LSB */
} ZW_COMMAND_SUBSEQUENT_FRAGMENT_2BYTE_FRAME;

/*****/
/* Command Subsequent Fragment 3byte command class structs */
/*****/
typedef struct _ZW_COMMAND_SUBSEQUENT_FRAGMENT_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd_datagramSize1;       /* The command + parameter datagram_size_1 */
    BYTE    datagramSize2;           /**/
    BYTE    properties2;              /* masked byte */
    BYTE    datagramOffset2;         /**/
    BYTE    payload1;                 /* MSB */
    BYTE    payload2;                 /* LSB */
    BYTE    payload3;                 /* LSB */
    BYTE    checksum1;                /* MSB */
    BYTE    checksum2;                /* LSB */
} ZW_COMMAND_SUBSEQUENT_FRAGMENT_3BYTE_FRAME;

/*****/
/* Command Subsequent Fragment 4byte command class structs */
/*****/
typedef struct _ZW_COMMAND_SUBSEQUENT_FRAGMENT_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd_datagramSize1;       /* The command + parameter datagram_size_1 */
    BYTE    datagramSize2;           /**/
    BYTE    properties2;              /* masked byte */
    BYTE    datagramOffset2;         /**/
    BYTE    payload1;                 /* MSB */
    BYTE    payload2;                 /* LSB */
    BYTE    payload3;                 /* LSB */
    BYTE    payload4;                 /* LSB */
    BYTE    checksum1;                /* MSB */
    BYTE    checksum2;                /* LSB */
} ZW_COMMAND_SUBSEQUENT_FRAGMENT_4BYTE_FRAME;

/*****/
/* User Code Get command class structs */
/*****/
typedef struct _ZW_USER_CODE_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    userIdentifier;           /**/
} ZW_USER_CODE_GET_FRAME;

/*****/
/* User Code Report command class structs */
/*****/
typedef struct _ZW_USER_CODE_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    userIdentifier;           /**/
    BYTE    userIdStatus;             /**/
    BYTE    userCode1;                /* MSB */
    BYTE    userCode2;
    BYTE    userCode3;
    BYTE    userCode4;
    BYTE    userCode5;
    BYTE    userCode6;
    BYTE    userCode7;
    BYTE    userCode8;
    BYTE    userCode9;
    BYTE    userCode10;               /* LSB */
} ZW_USER_CODE_REPORT_FRAME;

/*****/
/* User Code Set command class structs */
/*****/
typedef struct _ZW_USER_CODE_SET_FRAME_

```

```

{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    userIdentifier;          /**/
    BYTE    userIdStatus;           /**/
    BYTE    userCode1;              /* MSB */
    BYTE    userCode2;
    BYTE    userCode3;
    BYTE    userCode4;
    BYTE    userCode5;
    BYTE    userCode6;
    BYTE    userCode7;
    BYTE    userCode8;
    BYTE    userCode9;
    BYTE    userCode10;             /* LSB */
} ZW_USER_CODE_SET_FRAME;

/*****
/* Users Number Get command class structs */
*****/
typedef struct _ZW_USERS_NUMBER_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_USERS_NUMBER_GET_FRAME;

/*****
/* Users Number Report command class structs */
*****/
typedef struct _ZW_USERS_NUMBER_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    supportedUsers;          /**/
} ZW_USERS_NUMBER_REPORT_FRAME;

/*****
/* Version Command Class Get command class structs */
*****/
typedef struct _ZW_VERSION_COMMAND_CLASS_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    requestedCommandClass;   /**/
} ZW_VERSION_COMMAND_CLASS_GET_FRAME;

/*****
/* Version Command Class Report command class structs */
*****/
typedef struct _ZW_VERSION_COMMAND_CLASS_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    requestedCommandClass;   /**/
    BYTE    commandClassVersion;     /**/
} ZW_VERSION_COMMAND_CLASS_REPORT_FRAME;

/*****
/* Version Get command class structs */
*****/
typedef struct _ZW_VERSION_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_VERSION_GET_FRAME;

/*****
/* Version Report command class structs */
*****/
typedef struct _ZW_VERSION_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    zWaveLibraryType;        /**/
    BYTE    zWaveProtocolVersion;     /**/
    BYTE    zWaveProtocolSubVersion;  /**/
    BYTE    applicationVersion;       /**/
    BYTE    applicationSubVersion;    /**/
} ZW_VERSION_REPORT_FRAME;

/*****/

```

```

/* Version Command Class Get V2 command class structs */
/*****
typedef struct _ZW_VERSION_COMMAND_CLASS_GET_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      requestedCommandClass; /**/
} ZW_VERSION_COMMAND_CLASS_GET_V2_FRAME;

/* Version Command Class Report V2 command class structs */
/*****
typedef struct _ZW_VERSION_COMMAND_CLASS_REPORT_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      requestedCommandClass; /**/
    BYTE      commandClassVersion; /**/
} ZW_VERSION_COMMAND_CLASS_REPORT_V2_FRAME;

/* Version Get V2 command class structs */
/*****
typedef struct _ZW_VERSION_GET_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_VERSION_GET_V2_FRAME;

/* Version Report V2 variant group structs */
/*****
typedef struct _VG_VERSION_REPORT_V2_VG_
{
    BYTE      firmwareVersion;    /**/
    BYTE      firmwareSubVersion; /**/
} VG_VERSION_REPORT_V2_VG;

/* Version Report 1byte V2 command class structs */
/*****
typedef struct _ZW_VERSION_REPORT_1BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      zWaveLibraryType;  /**/
    BYTE      zWaveProtocolVersion; /**/
    BYTE      zWaveProtocolSubVersion; /**/
    BYTE      firmware0Version;    /**/
    BYTE      firmware0SubVersion; /**/
    BYTE      hardwareVersion;    /**/
    BYTE      numberOfFirmwareTargets; /**/
    VG_VERSION_REPORT_V2_VG variantgroup1; /**/
} ZW_VERSION_REPORT_1BYTE_V2_FRAME;

/* Version Report 2byte V2 command class structs */
/*****
typedef struct _ZW_VERSION_REPORT_2BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      zWaveLibraryType;  /**/
    BYTE      zWaveProtocolVersion; /**/
    BYTE      zWaveProtocolSubVersion; /**/
    BYTE      firmware0Version;    /**/
    BYTE      firmware0SubVersion; /**/
    BYTE      hardwareVersion;    /**/
    BYTE      numberOfFirmwareTargets; /**/
    VG_VERSION_REPORT_V2_VG variantgroup1; /**/
    VG_VERSION_REPORT_V2_VG variantgroup2; /**/
} ZW_VERSION_REPORT_2BYTE_V2_FRAME;

/* Version Report 3byte V2 command class structs */
/*****
typedef struct _ZW_VERSION_REPORT_3BYTE_V2_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      zWaveLibraryType;  /**/

```



```

    BYTE    zWaveProtocolVersion;    /**/
    BYTE    zWaveProtocolSubVersion;  /**/
    BYTE    firmware0Version;         /**/
    BYTE    firmware0SubVersion;      /**/
    BYTE    hardwareVersion;          /**/
    BYTE    numberOfFirmwareTargets;  /**/
    VG_VERSION_REPORT_V2_VG variantgroup1;    /**/
    VG_VERSION_REPORT_V2_VG variantgroup2;    /**/
    VG_VERSION_REPORT_V2_VG variantgroup3;    /**/
} ZW_VERSION_REPORT_3BYTE_V2_FRAME;

/*****/
/* Version Report 4byte V2 command class structs */
/*****/
typedef struct _ZW_VERSION_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    zWaveLibraryType;        /**/
    BYTE    zWaveProtocolVersion;    /**/
    BYTE    zWaveProtocolSubVersion; /**/
    BYTE    firmware0Version;        /**/
    BYTE    firmware0SubVersion;     /**/
    BYTE    hardwareVersion;         /**/
    BYTE    numberOfFirmwareTargets;  /**/
    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;

/*****/
/* Wake Up Interval Get command class structs */
/*****/
typedef struct _ZW_WAKE_UP_INTERVAL_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_WAKE_UP_INTERVAL_GET_FRAME;

/*****/
/* Wake Up Interval Report command class structs */
/*****/
typedef struct _ZW_WAKE_UP_INTERVAL_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    seconds1;                /* MSB */
    BYTE    seconds2;
    BYTE    seconds3;                /* LSB */
    BYTE    nodeid;                  /**/
} ZW_WAKE_UP_INTERVAL_REPORT_FRAME;

/*****/
/* Wake Up Interval Set command class structs */
/*****/
typedef struct _ZW_WAKE_UP_INTERVAL_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    seconds1;                /* MSB */
    BYTE    seconds2;
    BYTE    seconds3;                /* LSB */
    BYTE    nodeid;                  /**/
} ZW_WAKE_UP_INTERVAL_SET_FRAME;

/*****/
/* Wake Up No More Information command class structs */
/*****/
typedef struct _ZW_WAKE_UP_NO_MORE_INFORMATION_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_WAKE_UP_NO_MORE_INFORMATION_FRAME;

/*****/
/* Wake Up Notification command class structs */
/*****/
typedef struct _ZW_WAKE_UP_NOTIFICATION_FRAME_
{
    BYTE    cmdClass;                /* The command class */

```

```

    BYTE      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_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
} 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_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      minimumWakeUpIntervalSeconds1; /* MSB */
    BYTE      minimumWakeUpIntervalSeconds2;
    BYTE      minimumWakeUpIntervalSeconds3; /* LSB */
    BYTE      maximumWakeUpIntervalSeconds1; /* MSB */
    BYTE      maximumWakeUpIntervalSeconds2;
    BYTE      maximumWakeUpIntervalSeconds3; /* LSB */
    BYTE      defaultWakeUpIntervalSeconds1; /* MSB */
    BYTE      defaultWakeUpIntervalSeconds2;
    BYTE      defaultWakeUpIntervalSeconds3; /* LSB */
    BYTE      wakeUpIntervalStepSeconds1; /* MSB */
    BYTE      wakeUpIntervalStepSeconds2;
    BYTE      wakeUpIntervalStepSeconds3; /* LSB */
} 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_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
} ZW_WAKE_UP_INTERVAL_GET_V2_FRAME;

/*****
/* Wake Up Interval Report V2 command class structs */
*****/
typedef struct _ZW_WAKE_UP_INTERVAL_REPORT_V2_FRAME_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      seconds1;                            /* MSB */
    BYTE      seconds2;
    BYTE      seconds3;                            /* LSB */
    BYTE      nodeId;                             /**/
} ZW_WAKE_UP_INTERVAL_REPORT_V2_FRAME;

/*****
/* Wake Up Interval Set V2 command class structs */
*****/
typedef struct _ZW_WAKE_UP_INTERVAL_SET_V2_FRAME_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      seconds1;                            /* MSB */
    BYTE      seconds2;
    BYTE      seconds3;                            /* LSB */
    BYTE      nodeId;                             /**/
} 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_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
} 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;                /* The command class */
    BYTE    cmd;                    /* 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;                /* The command class */
    BYTE    cmd_datagramSize1;       /* The command + parameter Datagram Size 1 */
    BYTE    datagramSize2;           /**/
    BYTE    datagramTag;             /**/
    BYTE    payload1;                /* MSB */
} ZW_LOWPAN_FIRST_FRAGMENT_1BYTE_FRAME;

/*****
/* Lowpan First Fragment 2byte command class structs */
*****/
typedef struct _ZW_LOWPAN_FIRST_FRAGMENT_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd_datagramSize1;       /* The command + parameter Datagram Size 1 */
    BYTE    datagramSize2;           /**/
    BYTE    datagramTag;             /**/
    BYTE    payload1;                /* MSB */
    BYTE    payload2;                /* LSB */
} ZW_LOWPAN_FIRST_FRAGMENT_2BYTE_FRAME;

/*****
/* Lowpan First Fragment 3byte command class structs */
*****/
typedef struct _ZW_LOWPAN_FIRST_FRAGMENT_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd_datagramSize1;       /* The command + parameter Datagram Size 1 */
    BYTE    datagramSize2;           /**/
    BYTE    datagramTag;             /**/
    BYTE    payload1;                /* MSB */
    BYTE    payload2;                /* MSB */
    BYTE    payload3;                /* LSB */
} ZW_LOWPAN_FIRST_FRAGMENT_3BYTE_FRAME;

/*****
/* Lowpan First Fragment 4byte command class structs */
*****/
typedef struct _ZW_LOWPAN_FIRST_FRAGMENT_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd_datagramSize1;       /* The command + parameter Datagram Size 1 */
    BYTE    datagramSize2;           /**/
    BYTE    datagramTag;             /**/
    BYTE    payload1;                /* MSB */
    BYTE    payload2;                /* MSB */
    BYTE    payload3;                /* MSB */
    BYTE    payload4;                /* LSB */
} ZW_LOWPAN_FIRST_FRAGMENT_4BYTE_FRAME;

/*****
/* Lowpan Subsequent Fragment 1byte command class structs */
*****/
typedef struct _ZW_LOWPAN_SUBSEQUENT_FRAGMENT_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd_datagramSize1;       /* The command + parameter Datagram Size 1 */
    BYTE    datagramSize2;           /**/
    BYTE    datagramTag;             /**/
    BYTE    datagramOffset;          /**/
    BYTE    payload1;                /* MSB */
} ZW_LOWPAN_SUBSEQUENT_FRAGMENT_1BYTE_FRAME;

/*****
/* Lowpan Subsequent Fragment 2byte command class structs */
*****/
typedef struct _ZW_LOWPAN_SUBSEQUENT_FRAGMENT_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd_datagramSize1;       /* The command + parameter Datagram Size 1 */
    BYTE    datagramSize2;           /**/
    BYTE    datagramTag;             /**/
}

```

```
    BYTE    datagramOffset;          /**/
    BYTE    payload1;                /* MSB */
    BYTE    payload2;                /* LSB */
} ZW_LOWPAN_SUBSEQUENT_FRAGMENT_2BYTE_FRAME;

/*****/
/* Lowpan Subsequent Fragment 3byte command class structs */
/*****/
typedef struct _ZW_LOWPAN_SUBSEQUENT_FRAGMENT_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd_datagramSize1;       /* The command + parameter Datagram Size 1 */
    BYTE    datagramSize2;           /**/
    BYTE    datagramTag;              /**/
    BYTE    datagramOffset;          /**/
    BYTE    payload1;                /* MSB */
    BYTE    payload2;                /* */
    BYTE    payload3;                /* LSB */
} ZW_LOWPAN_SUBSEQUENT_FRAGMENT_3BYTE_FRAME;

/*****/
/* Lowpan Subsequent Fragment 4byte command class structs */
/*****/
typedef struct _ZW_LOWPAN_SUBSEQUENT_FRAGMENT_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd_datagramSize1;       /* The command + parameter Datagram Size 1 */
    BYTE    datagramSize2;           /**/
    BYTE    datagramTag;              /**/
    BYTE    datagramOffset;          /**/
    BYTE    payload1;                /* MSB */
    BYTE    payload2;                /* */
    BYTE    payload3;                /* */
    BYTE    payload4;                /* LSB */
} ZW_LOWPAN_SUBSEQUENT_FRAGMENT_4BYTE_FRAME;

/*****/
/* Command Zip Packet 1byte command class structs */
/*****/
typedef struct _ZW_COMMAND_ZIP_PACKET_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    properties2;             /* masked byte */
    BYTE    seqNo;                   /**/
    BYTE    properties3;             /* masked byte */
    BYTE    properties4;             /* masked byte */
    BYTE    headerExtension1;
    BYTE    zWaveCommand1;
} ZW_COMMAND_ZIP_PACKET_1BYTE_FRAME;

/*****/
/* Command Zip Packet 2byte command class structs */
/*****/
typedef struct _ZW_COMMAND_ZIP_PACKET_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    properties2;             /* masked byte */
    BYTE    seqNo;                   /**/
    BYTE    properties3;             /* masked byte */
    BYTE    properties4;             /* masked byte */
    BYTE    headerExtension1;        /* MSB */
    BYTE    headerExtension2;        /* LSB */
    BYTE    zWaveCommand1;          /* MSB */
    BYTE    zWaveCommand2;          /* LSB */
} ZW_COMMAND_ZIP_PACKET_2BYTE_FRAME;

/*****/
/* Command Zip Packet 3byte command class structs */
/*****/
typedef struct _ZW_COMMAND_ZIP_PACKET_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    properties2;             /* masked byte */
    BYTE    seqNo;                   /**/
    BYTE    properties3;             /* masked byte */
}
```

```

    BYTE    properties4;                /* masked byte */
    BYTE    headerExtension1;          /* MSB */
    BYTE    headerExtension2;
    BYTE    headerExtension3;          /* LSB */
    BYTE    zWaveCommand1;             /* MSB */
    BYTE    zWaveCommand2;
    BYTE    zWaveCommand3;             /* 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 */
    BYTE    cmd;                      /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    seqNo;                    /**/
    BYTE    properties3;               /* masked byte */
    BYTE    properties4;               /* masked byte */
    BYTE    headerExtension1;          /* MSB */
    BYTE    headerExtension2;
    BYTE    headerExtension3;
    BYTE    headerExtension4;          /* LSB */
    BYTE    zWaveCommand1;             /* MSB */
    BYTE    zWaveCommand2;
    BYTE    zWaveCommand3;
    BYTE    zWaveCommand4;             /* LSB */
} ZW_COMMAND_ZIP_PACKET_4BYTE_FRAME;

/*****/
/* Command Zip Packet 1byte V2 command class structs */
/*****/
typedef struct _ZW_COMMAND_ZIP_PACKET_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    seqNo;                    /**/
    BYTE    properties3;               /* masked byte */
    BYTE    properties4;               /* masked byte */
    BYTE    headerLength;              /**/
    BYTE    headerExtension1;
    BYTE    zWaveCommand1;
} ZW_COMMAND_ZIP_PACKET_1BYTE_V2_FRAME;

/*****/
/* Command Zip Packet 2byte V2 command class structs */
/*****/
typedef struct _ZW_COMMAND_ZIP_PACKET_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    seqNo;                    /**/
    BYTE    properties3;               /* masked byte */
    BYTE    properties4;               /* masked byte */
    BYTE    headerLength;              /**/
    BYTE    headerExtension1;          /* MSB */
    BYTE    headerExtension2;          /* LSB */
    BYTE    zWaveCommand1;             /* MSB */
    BYTE    zWaveCommand2;             /* LSB */
} ZW_COMMAND_ZIP_PACKET_2BYTE_V2_FRAME;

/*****/
/* Command Zip Packet 3byte V2 command class structs */
/*****/
typedef struct _ZW_COMMAND_ZIP_PACKET_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    seqNo;                    /**/
    BYTE    properties3;               /* masked byte */
    BYTE    properties4;               /* masked byte */
    BYTE    headerLength;              /**/
    BYTE    headerExtension1;          /* MSB */

```

```

    BYTE    headerExtension2;
    BYTE    headerExtension3;          /* LSB */
    BYTE    zWaveCommand1;            /* MSB */
    BYTE    zWaveCommand2;
    BYTE    zWaveCommand3;            /* LSB */
} ZW_COMMAND_ZIP_PACKET_3BYTE_V2_FRAME;

/*****/
/* Command Zip Packet 4byte V2 command class structs */
/*****/
typedef struct _ZW_COMMAND_ZIP_PACKET_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    seqNo;                     /* */
    BYTE    properties3;               /* masked byte */
    BYTE    properties4;               /* masked byte */
    BYTE    headerLength;              /* */
    BYTE    headerExtension1;          /* MSB */
    BYTE    headerExtension2;
    BYTE    headerExtension3;
    BYTE    headerExtension4;          /* LSB */
    BYTE    zWaveCommand1;            /* MSB */
    BYTE    zWaveCommand2;
    BYTE    zWaveCommand3;
    BYTE    zWaveCommand4;            /* LSB */
} 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 */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    seqNo;                     /* */
    BYTE    properties3;               /* masked byte */
    BYTE    properties4;               /* masked byte */
    BYTE    headerLength;              /* */
    BYTE    headerExtension1;
    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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    seqNo;                     /* */
    BYTE    properties3;               /* masked byte */
    BYTE    properties4;               /* masked byte */
    BYTE    headerLength;              /* */
    BYTE    headerExtension1;          /* MSB */
    BYTE    headerExtension2;          /* LSB */
    BYTE    zWaveCommand1;            /* MSB */
    BYTE    zWaveCommand2;            /* LSB */
} ZW_COMMAND_ZIP_PACKET_2BYTE_V3_FRAME;

/*****/
/* Command Zip Packet 3byte V3 command class structs */
/*****/
typedef struct _ZW_COMMAND_ZIP_PACKET_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    seqNo;                     /* */
    BYTE    properties3;               /* masked byte */
    BYTE    properties4;               /* masked byte */
    BYTE    headerLength;              /* */
    BYTE    headerExtension1;          /* MSB */
    BYTE    headerExtension2;

```

```

    BYTE    headerExtension3;          /* LSB */
    BYTE    zWaveCommand1;            /* MSB */
    BYTE    zWaveCommand2;
    BYTE    zWaveCommand3;            /* LSB */
} ZW_COMMAND_ZIP_PACKET_3BYTE_V3_FRAME;

/*****
/* Command Zip Packet 4byte V3 command class structs */
*****/
typedef struct _ZW_COMMAND_ZIP_PACKET_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;                /* masked byte */
    BYTE    properties2;                /* masked byte */
    BYTE    seqNo;                      /**/
    BYTE    properties3;                /* masked byte */
    BYTE    properties4;                /* masked byte */
    BYTE    headerLength;               /**/
    BYTE    headerExtension1;           /* MSB */
    BYTE    headerExtension2;
    BYTE    headerExtension3;
    BYTE    headerExtension4;           /* LSB */
    BYTE    zWaveCommand1;              /* MSB */
    BYTE    zWaveCommand2;
    BYTE    zWaveCommand3;
    BYTE    zWaveCommand4;              /* LSB */
} ZW_COMMAND_ZIP_PACKET_4BYTE_V3_FRAME;

/*****
/* Command Command Class Not Supported command class structs */
*****/
typedef struct _ZW_COMMAND_COMMAND_CLASS_NOT_SUPPORTED_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;                /* masked byte */
    BYTE    offendingCommandClass;      /**/
    BYTE    offendingCommand;           /**/
} ZW_COMMAND_COMMAND_CLASS_NOT_SUPPORTED_FRAME;

/*****
/* Switch Color Supported Get command class structs */
*****/
typedef struct _ZW_SWITCH_COLOR_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
} ZW_SWITCH_COLOR_SUPPORTED_GET_FRAME;

/*****
/* Switch Color Supported Report command class structs */
*****/
typedef struct _ZW_SWITCH_COLOR_SUPPORTED_REPORT_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    colorComponentMask1;        /* MSB */
    BYTE    colorComponentMask2;        /* LSB */
} ZW_SWITCH_COLOR_SUPPORTED_REPORT_FRAME;

/*****
/* Switch Color Get command class structs */
*****/
typedef struct _ZW_SWITCH_COLOR_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    colorComponentId;           /**/
} ZW_SWITCH_COLOR_GET_FRAME;

/*****
/* Switch Color Report command class structs */
*****/
typedef struct _ZW_SWITCH_COLOR_REPORT_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    colorComponentId;           /**/
    BYTE    value;                      /**/
} ZW_SWITCH_COLOR_REPORT_FRAME;

```

```

/*****
/* Switch Color Set variant group structs */
/*****/
typedef struct _VG_SWITCH_COLOR_SET_VG_
{
    BYTE    colorComponentId;    /**/
    BYTE    value;               /**/
} VG_SWITCH_COLOR_SET_VG;

/*****
/* Switch Color Set 1byte command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    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_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    properties1;         /* masked byte */
    VG_SWITCH_COLOR_SET_VG variantgroup1;    /**/
    VG_SWITCH_COLOR_SET_VG variantgroup2;    /**/
} ZW_SWITCH_COLOR_SET_2BYTE_FRAME;

/*****
/* Switch Color Set 3byte command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    properties1;         /* masked byte */
    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_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    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;

/*****
/* Switch Color Start Level Change command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_START_LEVEL_CHANGE_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    properties1;         /* masked byte */
    BYTE    colorComponentId;    /**/
    BYTE    startLevel;          /**/
} ZW_SWITCH_COLOR_START_LEVEL_CHANGE_FRAME;

/*****
/* Switch Color Stop Level Change command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_STOP_LEVEL_CHANGE_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    colorComponentId;    /**/
} ZW_SWITCH_COLOR_STOP_LEVEL_CHANGE_FRAME;
```



```

/*****
/* Switch Color Supported Get V2 command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_SUPPORTED_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_SWITCH_COLOR_SUPPORTED_GET_V2_FRAME;

/*****
/* Switch Color Supported Report V2 command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_SUPPORTED_REPORT_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    colorComponentMask1; /* MSB */
    BYTE    colorComponentMask2; /* LSB */
} ZW_SWITCH_COLOR_SUPPORTED_REPORT_V2_FRAME;

/*****
/* Switch Color Get V2 command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_GET_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    colorComponentId;    /**/
} ZW_SWITCH_COLOR_GET_V2_FRAME;

/*****
/* Switch Color Report V2 command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_REPORT_V2_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    colorComponentId;    /**/
    BYTE    value;              /**/
} ZW_SWITCH_COLOR_REPORT_V2_FRAME;

/*****
/* Switch Color Set V2 variant group structs */
/*****/
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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    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 */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    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_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    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 */
    BYTE    cmd;                    /* The command */
    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;    /**/
    VG_SWITCH_COLOR_SET_V2_VG variantgroup4;    /**/
    BYTE    duration;                /**/
} ZW_SWITCH_COLOR_SET_4BYTE_V2_FRAME;

/*****/
/* Switch Color Start Level Change V2 command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_START_LEVEL_CHANGE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    colorComponentId;        /**/
    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    colorComponentId;        /**/
} ZW_SWITCH_COLOR_STOP_LEVEL_CHANGE_V2_FRAME;

/*****/
/* Switch Color Supported Get V3 command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_SUPPORTED_GET_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_SWITCH_COLOR_SUPPORTED_GET_V3_FRAME;

/*****/
/* Switch Color Supported Report V3 command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_SUPPORTED_REPORT_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    colorComponentMask1;     /* MSB */
    BYTE    colorComponentMask2;     /* LSB */
} ZW_SWITCH_COLOR_SUPPORTED_REPORT_V3_FRAME;

/*****/
/* Switch Color Get V3 command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_GET_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    colorComponentId;        /**/
} ZW_SWITCH_COLOR_GET_V3_FRAME;

/*****/
/* Switch Color Report V3 command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_REPORT_V3_FRAME_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    colorComponentId;        /**/
    BYTE    currentValue;            /**/
    BYTE    targetValue;             /**/
    BYTE    duration;                /**/
} ZW_SWITCH_COLOR_REPORT_V3_FRAME;

/*****/
/* Switch Color Set V3 variant group structs */
/*****/
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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    VG_SWITCH_COLOR_SET_V3_VG variantgroup1; /**/
    VG_SWITCH_COLOR_SET_V3_VG variantgroup2; /**/
    BYTE    duration;                /**/
} ZW_SWITCH_COLOR_SET_2BYTE_V3_FRAME;

/*****/
/* Switch Color Set 3byte V3 command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_SET_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked 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;

/*****/
/* Switch Color Set 4byte V3 command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_SET_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    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;

/*****/
/* Switch Color Start Level Change V3 command class structs */
/*****/
typedef struct _ZW_SWITCH_COLOR_START_LEVEL_CHANGE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    colorComponentId;        /**/
    BYTE    startLevel;              /**/

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    BYTE    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_
{
    BYTE    cmdClass;                                /* The command class */
    BYTE    cmd;                                     /* The command */
    BYTE    colorComponentId;                        /**/
} ZW_SWITCH_COLOR_STOP_LEVEL_CHANGE_V3_FRAME;

/*****
/* Schedule Supported Get command class structs */
*****/
typedef struct _ZW_SCHEDULE_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;                                /* The command class */
    BYTE    cmd;                                     /* The command */
} ZW_SCHEDULE_SUPPORTED_GET_FRAME;

/*****
/* Schedule Supported Report variant group structs */
*****/
typedef struct _VG_SCHEDULE_SUPPORTED_REPORT_VG_
{
    BYTE    supportedCc;                             /**/
    BYTE    properties2;                             /* masked byte */
} VG_SCHEDULE_SUPPORTED_REPORT_VG;

/*****
/* Schedule Supported Report 1byte command class structs */
*****/
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                                /* The command class */
    BYTE    cmd;                                     /* The command */
    BYTE    numberOfSupportedScheduleId;             /**/
    BYTE    properties1;                             /* masked byte */
    BYTE    numberOfSupportedCc;                     /**/
    VG_SCHEDULE_SUPPORTED_REPORT_VG variantgroup1;   /**/
    BYTE    properties3;                             /* masked byte */
} ZW_SCHEDULE_SUPPORTED_REPORT_1BYTE_FRAME;

/*****
/* Schedule Supported Report 2byte command class structs */
*****/
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                                /* The command class */
    BYTE    cmd;                                     /* The command */
    BYTE    numberOfSupportedScheduleId;             /**/
    BYTE    properties1;                             /* masked byte */
    BYTE    numberOfSupportedCc;                     /**/
    VG_SCHEDULE_SUPPORTED_REPORT_VG variantgroup1;   /**/
    VG_SCHEDULE_SUPPORTED_REPORT_VG variantgroup2;   /**/
    BYTE    properties3;                             /* masked byte */
} ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_FRAME;

/*****
/* Schedule Supported Report 3byte command class structs */
*****/
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                                /* The command class */
    BYTE    cmd;                                     /* The command */
    BYTE    numberOfSupportedScheduleId;             /**/
    BYTE    properties1;                             /* masked byte */
    BYTE    numberOfSupportedCc;                     /**/
    VG_SCHEDULE_SUPPORTED_REPORT_VG variantgroup1;   /**/
    VG_SCHEDULE_SUPPORTED_REPORT_VG variantgroup2;   /**/
    VG_SCHEDULE_SUPPORTED_REPORT_VG variantgroup3;   /**/
    BYTE    properties3;                             /* masked byte */
} ZW_SCHEDULE_SUPPORTED_REPORT_3BYTE_FRAME;

/*****
/* Schedule Supported Report 4byte command class structs */
*****/
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_FRAME_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    numberOfSupportedScheduleId; /**/
    BYTE    properties1;            /* masked byte */
    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; /**/
    BYTE    properties3;            /* masked byte */
} ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_FRAME;

/*****
/* Command Schedule Set variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_SET_1BYTE_VG_
{
    BYTE    cmdLength;                /**/
    BYTE    cmdByte1;                /**/
} VG_COMMAND_SCHEDULE_SET_1BYTE_VG;

/*****
/* Command Schedule Set variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_SET_2BYTE_VG_
{
    BYTE    cmdLength;                /**/
    BYTE    cmdByte1;                /* MSB */
    BYTE    cmdByte2;                /* LSB */
} VG_COMMAND_SCHEDULE_SET_2BYTE_VG;

/*****
/* Command Schedule Set variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_SET_3BYTE_VG_
{
    BYTE    cmdLength;                /**/
    BYTE    cmdByte1;                /* MSB */
    BYTE    cmdByte2;                /*  */
    BYTE    cmdByte3;                /* LSB */
} VG_COMMAND_SCHEDULE_SET_3BYTE_VG;

/*****
/* Command Schedule Set variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_SET_4BYTE_VG_
{
    BYTE    cmdLength;                /**/
    BYTE    cmdByte1;                /* MSB */
    BYTE    cmdByte2;                /*  */
    BYTE    cmdByte3;                /*  */
    BYTE    cmdByte4;                /* LSB */
} VG_COMMAND_SCHEDULE_SET_4BYTE_VG;

/*****
/* Command Schedule Set 1byte command class structs */
*****/
typedef struct _ZW_COMMAND_SCHEDULE_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleId;            /**/
    BYTE    userIdentifier;        /**/
    BYTE    startYear;            /**/
    BYTE    properties1;            /* masked byte */
    BYTE    properties2;            /* masked byte */
    BYTE    properties3;            /* masked byte */
    BYTE    properties4;            /* masked byte */
    BYTE    properties5;            /* masked byte */
    BYTE    durationByte1;        /* MSB */
    BYTE    durationByte2;        /* LSB */
    BYTE    reportsToFollow;        /**/
    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 */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleId;              /**/
    BYTE    userIdentifier;          /**/
    BYTE    startYear;              /**/
    BYTE    properties1;             /* masked byte */
    BYTE    properties2;             /* masked byte */
    BYTE    properties3;             /* masked byte */
    BYTE    properties4;             /* masked byte */
    BYTE    properties5;             /* masked byte */
    BYTE    durationByte1;           /* MSB */
    BYTE    durationByte2;           /* LSB */
    BYTE    reportsToFollow;         /**/
    BYTE    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;          /**/
    BYTE    startYear;              /**/
    BYTE    properties1;             /* masked byte */
    BYTE    properties2;             /* masked byte */
    BYTE    properties3;             /* masked byte */
    BYTE    properties4;             /* masked byte */
    BYTE    properties5;             /* masked byte */
    BYTE    durationByte1;           /* MSB */
    BYTE    durationByte2;           /* LSB */
    BYTE    reportsToFollow;         /**/
    BYTE    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;

/*****/
/* Command Schedule Set 4byte command class structs */
/*****/
typedef struct _ZW_COMMAND_SCHEDULE_SET_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleId;              /**/
    BYTE    userIdentifier;          /**/
    BYTE    startYear;              /**/
    BYTE    properties1;             /* masked byte */
    BYTE    properties2;             /* masked byte */
    BYTE    properties3;             /* masked byte */
    BYTE    properties4;             /* masked byte */
    BYTE    properties5;             /* masked byte */
    BYTE    durationByte1;           /* MSB */
    BYTE    durationByte2;           /* LSB */
    BYTE    reportsToFollow;         /**/
    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleId;              /**/
} ZW_COMMAND_SCHEDULE_GET_FRAME;

/*****/
/* Command Schedule Report variant group structs */
/*****/
typedef struct _VG_COMMAND_SCHEDULE_REPORT_1BYTE_VG_

```

```

{
    BYTE    cmdLength;                /**/
    BYTE    cmdByte1;
} VG_COMMAND_SCHEDULE_REPORT_1BYTE_VG;

/*****
/* Command Schedule Report variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_REPORT_2BYTE_VG_
{
    BYTE    cmdLength;                /**/
    BYTE    cmdByte1;                /* MSB */
    BYTE    cmdByte2;                /* LSB */
} VG_COMMAND_SCHEDULE_REPORT_2BYTE_VG;

/*****
/* Command Schedule Report variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_REPORT_3BYTE_VG_
{
    BYTE    cmdLength;                /**/
    BYTE    cmdByte1;                /* MSB */
    BYTE    cmdByte2;
    BYTE    cmdByte3;                /* LSB */
} VG_COMMAND_SCHEDULE_REPORT_3BYTE_VG;

/*****
/* Command Schedule Report variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_REPORT_4BYTE_VG_
{
    BYTE    cmdLength;                /**/
    BYTE    cmdByte1;                /* MSB */
    BYTE    cmdByte2;
    BYTE    cmdByte3;
    BYTE    cmdByte4;                /* LSB */
} VG_COMMAND_SCHEDULE_REPORT_4BYTE_VG;

/*****
/* Command Schedule Report 1byte command class structs */
*****/
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleId;
    BYTE    userIdentifier;
    BYTE    startYear;
    BYTE    properties1;            /* masked byte */
    BYTE    properties2;            /* masked byte */
    BYTE    properties3;            /* masked byte */
    BYTE    properties4;            /* masked byte */
    BYTE    properties5;            /* masked byte */
    BYTE    durationByte1;          /* MSB */
    BYTE    durationByte2;          /* LSB */
    BYTE    reportsToFollow;
    BYTE    numberOfCmdToFollow;
    VG_COMMAND_SCHEDULE_REPORT_4BYTE_VG variantgroup1;
} ZW_COMMAND_SCHEDULE_REPORT_1BYTE_FRAME;

/*****
/* Command Schedule Report 2byte command class structs */
*****/
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleId;
    BYTE    userIdentifier;
    BYTE    startYear;
    BYTE    properties1;            /* masked byte */
    BYTE    properties2;            /* masked byte */
    BYTE    properties3;            /* masked byte */
    BYTE    properties4;            /* masked byte */
    BYTE    properties5;            /* masked byte */
    BYTE    durationByte1;          /* MSB */
    BYTE    durationByte2;          /* LSB */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    scheduleId;         /**/
    BYTE    userIdentifier;      /**/
    BYTE    startYear;          /**/
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    properties3;        /* masked byte */
    BYTE    properties4;        /* masked byte */
    BYTE    properties5;        /* masked byte */
    BYTE    durationByte1;       /* MSB */
    BYTE    durationByte2;       /* LSB */
    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; /**/
} ZW_COMMAND_SCHEDULE_REPORT_3BYTE_FRAME;

/*****
/* Command Schedule Report 4byte command class structs */
*****/
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    scheduleId;         /**/
    BYTE    userIdentifier;      /**/
    BYTE    startYear;          /**/
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    properties3;        /* masked byte */
    BYTE    properties4;        /* masked byte */
    BYTE    properties5;        /* masked byte */
    BYTE    durationByte1;       /* MSB */
    BYTE    durationByte2;       /* LSB */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    scheduleId;         /**/
} ZW_SCHEDULE_REMOVE_FRAME;

/*****
/* Schedule State Set command class structs */
*****/
typedef struct _ZW_SCHEDULE_STATE_SET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    scheduleId;         /**/
    BYTE    scheduleState;      /**/
} ZW_SCHEDULE_STATE_SET_FRAME;

/*****
/* Schedule State Get command class structs */
*****/
typedef struct _ZW_SCHEDULE_STATE_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_SCHEDULE_STATE_GET_FRAME;
```



```

/*****
/* Schedule State Report command class structs */
/*****
typedef struct _ZW_SCHEDULE_STATE_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    numberOfSupportedScheduleId; /* */
    BYTE    properties1;            /* masked byte */
    BYTE    properties2;            /* masked byte */
    BYTE    properties3;            /* masked byte */
} ZW_SCHEDULE_STATE_REPORT_FRAME;

/*****
/* Schedule Supported Get V2 command class structs */
/*****
typedef struct _ZW_SCHEDULE_SUPPORTED_GET_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleIdBlock;        /* */
} ZW_SCHEDULE_SUPPORTED_GET_V2_FRAME;

/*****
/* Schedule Supported Report V2 variant group structs */
/*****
typedef struct _VG_SCHEDULE_SUPPORTED_REPORT_V2_VG_
{
    BYTE    supportedCc;            /* */
    BYTE    properties2;            /* masked byte */
} VG_SCHEDULE_SUPPORTED_REPORT_V2_VG;

/*****
/* Schedule Supported Report 1byte V2 command class structs */
/*****
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    numberOfSupportedScheduleId; /* */
    BYTE    properties1;            /* masked byte */
    BYTE    numberOfSupportedCc;      /* */
    VG_SCHEDULE_SUPPORTED_REPORT_V2_VG variantgroup1; /* */
    BYTE    properties3;            /* masked byte */
    BYTE    scheduleIdBlock;        /* */
    BYTE    numberOfSupportedScheduleBlocks; /* */
} ZW_SCHEDULE_SUPPORTED_REPORT_1BYTE_V2_FRAME;

/*****
/* Schedule Supported Report 2byte V2 command class structs */
/*****
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    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; /* */
    BYTE    properties3;            /* masked byte */
    BYTE    scheduleIdBlock;        /* */
    BYTE    numberOfSupportedScheduleBlocks; /* */
} ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_V2_FRAME;

/*****
/* Schedule Supported Report 3byte V2 command class structs */
/*****
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    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; /* */
    BYTE    properties3;            /* masked byte */
    BYTE    scheduleIdBlock;        /* */
    BYTE    numberOfSupportedScheduleBlocks; /* */
}

```

```

} ZW_SCHEDULE_SUPPORTED_REPORT_3BYTE_V2_FRAME;

/*****
/* Schedule Supported Report 4byte V2 command class structs */
*****/
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    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; /***/
    VG_SCHEDULE_SUPPORTED_REPORT_V2_VG variantgroup4; /***/
    BYTE    properties3;            /* masked byte */
    BYTE    scheduleIdBlock;        /***/
    BYTE    numberOfSupportedScheduleBlocks; /***/
} ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_V2_FRAME;

/*****
/* Command Schedule Set V2 variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_SET_1BYTE_V2_VG_
{
    BYTE    cmdLength;              /***/
    BYTE    cmdByte1;
} VG_COMMAND_SCHEDULE_SET_1BYTE_V2_VG;

/*****
/* Command Schedule Set V2 variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_SET_2BYTE_V2_VG_
{
    BYTE    cmdLength;              /***/
    BYTE    cmdByte1;              /* MSB */
    BYTE    cmdByte2;              /* LSB */
} VG_COMMAND_SCHEDULE_SET_2BYTE_V2_VG;

/*****
/* Command Schedule Set V2 variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_SET_3BYTE_V2_VG_
{
    BYTE    cmdLength;              /***/
    BYTE    cmdByte1;              /* MSB */
    BYTE    cmdByte2;
    BYTE    cmdByte3;              /* LSB */
} VG_COMMAND_SCHEDULE_SET_3BYTE_V2_VG;

/*****
/* Command Schedule Set V2 variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG_
{
    BYTE    cmdLength;              /***/
    BYTE    cmdByte1;              /* MSB */
    BYTE    cmdByte2;
    BYTE    cmdByte3;
    BYTE    cmdByte4;              /* LSB */
} 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 */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleId;              /***/
    BYTE    scheduleIdBlock;        /***/
    BYTE    startYear;              /***/
    BYTE    properties1;            /* masked byte */
    BYTE    properties2;            /* masked byte */
    BYTE    properties3;            /* masked byte */
    BYTE    properties4;            /* masked byte */
    BYTE    properties5;            /* masked byte */
    BYTE    durationByte1;          /* MSB */
    BYTE    durationByte2;          /* LSB */
    BYTE    reportsToFollow;        /***/

```

```

    BYTE    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_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    scheduleId;                 /**/
    BYTE    scheduleIdBlock;            /**/
    BYTE    startYear;                  /**/
    BYTE    properties1;                /* masked byte */
    BYTE    properties2;                /* masked byte */
    BYTE    properties3;                /* masked byte */
    BYTE    properties4;                /* masked byte */
    BYTE    properties5;                /* masked byte */
    BYTE    durationByte1;              /* MSB */
    BYTE    durationByte2;              /* LSB */
    BYTE    reportsToFollow;            /**/
    BYTE    numberOfCmdToFollow;        /**/
    VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG variantgroup1;          /**/
    VG_COMMAND_SCHEDULE_SET_4BYTE_V2_VG variantgroup2;          /**/
} ZW_COMMAND_SCHEDULE_SET_2BYTE_V2_FRAME;

/*****/
/* Command Schedule Set 3byte V2 command class structs */
/*****/
typedef struct _ZW_COMMAND_SCHEDULE_SET_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    scheduleId;                 /**/
    BYTE    scheduleIdBlock;            /**/
    BYTE    startYear;                  /**/
    BYTE    properties1;                /* masked byte */
    BYTE    properties2;                /* masked byte */
    BYTE    properties3;                /* masked byte */
    BYTE    properties4;                /* masked byte */
    BYTE    properties5;                /* masked byte */
    BYTE    durationByte1;              /* MSB */
    BYTE    durationByte2;              /* LSB */
    BYTE    reportsToFollow;            /**/
    BYTE    numberOfCmdToFollow;        /**/
    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_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    scheduleId;                 /**/
    BYTE    scheduleIdBlock;            /**/
    BYTE    startYear;                  /**/
    BYTE    properties1;                /* masked byte */
    BYTE    properties2;                /* masked byte */
    BYTE    properties3;                /* masked byte */
    BYTE    properties4;                /* masked byte */
    BYTE    properties5;                /* masked byte */
    BYTE    durationByte1;              /* MSB */
    BYTE    durationByte2;              /* LSB */
    BYTE    reportsToFollow;            /**/
    BYTE    numberOfCmdToFollow;        /**/
    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 */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleId;             /**/
    BYTE    scheduleIdBlock;        /**/
} ZW_COMMAND_SCHEDULE_GET_V2_FRAME;

/*****
/* Command Schedule Report V2 variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_REPORT_1BYTE_V2_VG_
{
    BYTE    cmdLength;              /**/
    BYTE    cmdByte1;               /**/
} VG_COMMAND_SCHEDULE_REPORT_1BYTE_V2_VG;

/*****
/* Command Schedule Report V2 variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_REPORT_2BYTE_V2_VG_
{
    BYTE    cmdLength;              /**/
    BYTE    cmdByte1;               /* MSB */
    BYTE    cmdByte2;               /* LSB */
} 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;              /**/
    BYTE    cmdByte1;               /* MSB */
    BYTE    cmdByte2;               /* MSB */
    BYTE    cmdByte3;               /* LSB */
} VG_COMMAND_SCHEDULE_REPORT_3BYTE_V2_VG;

/*****
/* Command Schedule Report V2 variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG_
{
    BYTE    cmdLength;              /**/
    BYTE    cmdByte1;               /* MSB */
    BYTE    cmdByte2;               /* MSB */
    BYTE    cmdByte3;               /* MSB */
    BYTE    cmdByte4;               /* LSB */
} VG_COMMAND_SCHEDULE_REPORT_4BYTE_V2_VG;

/*****
/* Command Schedule Report 1byte V2 command class structs */
*****/
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleId;             /**/
    BYTE    scheduleIdBlock;        /**/
    BYTE    startYear;              /**/
    BYTE    properties1;            /* masked byte */
    BYTE    properties2;            /* masked byte */
    BYTE    properties3;            /* masked byte */
    BYTE    properties4;            /* masked byte */
    BYTE    properties5;            /* masked byte */
    BYTE    durationByte1;          /* MSB */
    BYTE    durationByte2;          /* LSB */
    BYTE    reportsToFollow;        /**/
    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 */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleId;             /**/
    BYTE    scheduleIdBlock;        /**/
    BYTE    startYear;              /**/
    BYTE    properties1;            /* masked byte */

```

```

    BYTE    properties2;                /* masked byte */
    BYTE    properties3;                /* masked byte */
    BYTE    properties4;                /* masked byte */
    BYTE    properties5;                /* masked byte */
    BYTE    durationByte1;              /* MSB */
    BYTE    durationByte2;              /* LSB */
    BYTE    reportsToFollow;            /**/
    BYTE    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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    scheduleId;                /**/
    BYTE    scheduleIdBlock;           /**/
    BYTE    startYear;                 /**/
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    properties3;               /* masked byte */
    BYTE    properties4;               /* masked byte */
    BYTE    properties5;               /* masked byte */
    BYTE    durationByte1;              /* MSB */
    BYTE    durationByte2;              /* LSB */
    BYTE    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;    /**/
} ZW_COMMAND_SCHEDULE_REPORT_3BYTE_V2_FRAME;

/*****/
/* Command Schedule Report 4byte V2 command class structs */
/*****/
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    scheduleId;                /**/
    BYTE    scheduleIdBlock;           /**/
    BYTE    startYear;                 /**/
    BYTE    properties1;               /* masked byte */
    BYTE    properties2;               /* masked byte */
    BYTE    properties3;               /* masked byte */
    BYTE    properties4;               /* masked byte */
    BYTE    properties5;               /* masked byte */
    BYTE    durationByte1;              /* MSB */
    BYTE    durationByte2;              /* LSB */
    BYTE    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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    scheduleId;                /**/
    BYTE    scheduleIdBlock;           /**/
} ZW_SCHEDULE_REMOVE_V2_FRAME;

/*****/
/* Schedule State Set V2 command class structs */
/*****/
typedef struct _ZW_SCHEDULE_STATE_SET_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    scheduleId;                /**/
    BYTE    scheduleState;             /**/
}

```

```

    BYTE    scheduleIdBlock;                /**/
} ZW_SCHEDULE_STATE_SET_V2_FRAME;

/*****
/* Schedule State Get V2 command class structs */
*****/
typedef struct _ZW_SCHEDULE_STATE_GET_V2_FRAME_
{
    BYTE    cmdClass;                       /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    scheduleIdBlock;                /**/
} 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 */
    BYTE    cmd;                           /* The command */
    BYTE    numberOfSupportedScheduleId;    /**/
    BYTE    properties1;                    /* masked byte */
    BYTE    properties2;                    /* masked byte */
    BYTE    properties3;                    /* masked byte */
    BYTE    scheduleIdBlock;                /**/
} ZW_SCHEDULE_STATE_REPORT_V2_FRAME;

/*****
/* Schedule Supported Get V3 command class structs */
*****/
typedef struct _ZW_SCHEDULE_SUPPORTED_GET_V3_FRAME_
{
    BYTE    cmdClass;                       /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    scheduleIdBlock;                /**/
} ZW_SCHEDULE_SUPPORTED_GET_V3_FRAME;

/*****
/* Schedule Supported Report V3 variant group structs */
*****/
typedef struct _VG_SCHEDULE_SUPPORTED_REPORT_V3_VG_
{
    BYTE    supportedCc;                    /**/
    BYTE    properties2;                    /* masked byte */
} VG_SCHEDULE_SUPPORTED_REPORT_V3_VG;

/*****
/* Schedule Supported Report 1byte V3 command class structs */
*****/
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;                       /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    numberOfSupportedScheduleId;    /**/
    BYTE    properties1;                    /* masked byte */
    BYTE    numberOfSupportedCc;            /**/
    VG_SCHEDULE_SUPPORTED_REPORT_V3_VG variantgroup1; /**/
    BYTE    properties3;                    /* masked byte */
    BYTE    scheduleIdBlock;                /**/
    BYTE    numberOfSupportedScheduleBlocks; /**/
} ZW_SCHEDULE_SUPPORTED_REPORT_1BYTE_V3_FRAME;

/*****
/* Schedule Supported Report 2byte V3 command class structs */
*****/
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;                       /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    numberOfSupportedScheduleId;    /**/
    BYTE    properties1;                    /* masked byte */
    BYTE    numberOfSupportedCc;            /**/
    VG_SCHEDULE_SUPPORTED_REPORT_V3_VG variantgroup1; /**/
    VG_SCHEDULE_SUPPORTED_REPORT_V3_VG variantgroup2; /**/
    BYTE    properties3;                    /* masked byte */
    BYTE    scheduleIdBlock;                /**/
    BYTE    numberOfSupportedScheduleBlocks; /**/
} ZW_SCHEDULE_SUPPORTED_REPORT_2BYTE_V3_FRAME;

/*****
/* Schedule Supported Report 3byte V3 command class structs */
*****/

```

```

/*****
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    numberOfSupportedScheduleId; /**/
    BYTE    properties1;            /* masked byte */
    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 */
    BYTE    scheduleIdBlock;        /**/
    BYTE    numberOfSupportedScheduleBlocks; /**/
} ZW_SCHEDULE_SUPPORTED_REPORT_3BYTE_V3_FRAME;

/*****
/* Schedule Supported Report 4byte V3 command class structs */
/*****
typedef struct _ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    numberOfSupportedScheduleId; /**/
    BYTE    properties1;            /* masked byte */
    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;            /* masked byte */
    BYTE    scheduleIdBlock;        /**/
    BYTE    numberOfSupportedScheduleBlocks; /**/
} ZW_SCHEDULE_SUPPORTED_REPORT_4BYTE_V3_FRAME;

/*****
/* Command Schedule Set V3 variant group structs */
/*****
typedef struct _VG_COMMAND_SCHEDULE_SET_1BYTE_V3_VG_
{
    BYTE    cmdLength;                /**/
    BYTE    cmdByte1;
} VG_COMMAND_SCHEDULE_SET_1BYTE_V3_VG;

/*****
/* Command Schedule Set V3 variant group structs */
/*****
typedef struct _VG_COMMAND_SCHEDULE_SET_2BYTE_V3_VG_
{
    BYTE    cmdLength;                /**/
    BYTE    cmdByte1;                /* MSB */
    BYTE    cmdByte2;                /* LSB */
} 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;                /**/
    BYTE    cmdByte1;                /* MSB */
    BYTE    cmdByte2;
    BYTE    cmdByte3;                /* LSB */
} 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;                /**/
    BYTE    cmdByte1;                /* MSB */
    BYTE    cmdByte2;
    BYTE    cmdByte3;
    BYTE    cmdByte4;                /* LSB */
} VG_COMMAND_SCHEDULE_SET_4BYTE_V3_VG;

/*****
/* Command Schedule Set 1byte V3 command class structs */
/*****
typedef struct _ZW_COMMAND_SCHEDULE_SET_1BYTE_V3_FRAME_

```

```

{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleId;              /**/
    BYTE    scheduleIdBlock;         /**/
    BYTE    startYear;              /**/
    BYTE    properties1;             /* masked byte */
    BYTE    properties2;             /* masked byte */
    BYTE    properties3;             /* masked byte */
    BYTE    properties4;             /* masked byte */
    BYTE    properties5;             /* masked byte */
    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 */
    BYTE    scheduleId;              /**/
    BYTE    scheduleIdBlock;         /**/
    BYTE    startYear;              /**/
    BYTE    properties1;             /* masked byte */
    BYTE    properties2;             /* masked byte */
    BYTE    properties3;             /* masked byte */
    BYTE    properties4;             /* masked byte */
    BYTE    properties5;             /* masked byte */
    BYTE    durationByte1;           /* MSB */
    BYTE    durationByte2;           /* LSB */
    BYTE    reportsToFollow;         /**/
    BYTE    numberOfCmdToFollow;     /**/
    VG_COMMAND_SCHEDULE_SET_4BYTE_V3_VG variantgroup1; /**/
    VG_COMMAND_SCHEDULE_SET_4BYTE_V3_VG variantgroup2; /**/
} ZW_COMMAND_SCHEDULE_SET_2BYTE_V3_FRAME;

/*****
/* Command Schedule Set 3byte V3 command class structs */
*****/
typedef struct _ZW_COMMAND_SCHEDULE_SET_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleId;              /**/
    BYTE    scheduleIdBlock;         /**/
    BYTE    startYear;              /**/
    BYTE    properties1;             /* masked byte */
    BYTE    properties2;             /* masked byte */
    BYTE    properties3;             /* masked byte */
    BYTE    properties4;             /* masked byte */
    BYTE    properties5;             /* masked byte */
    BYTE    durationByte1;           /* MSB */
    BYTE    durationByte2;           /* LSB */
    BYTE    reportsToFollow;         /**/
    BYTE    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; /**/
} ZW_COMMAND_SCHEDULE_SET_3BYTE_V3_FRAME;

/*****
/* Command Schedule Set 4byte V3 command class structs */
*****/
typedef struct _ZW_COMMAND_SCHEDULE_SET_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleId;              /**/
    BYTE    scheduleIdBlock;         /**/
    BYTE    startYear;              /**/
    BYTE    properties1;             /* masked byte */
    BYTE    properties2;             /* masked byte */
    BYTE    properties3;             /* masked byte */
    BYTE    properties4;             /* masked byte */
    BYTE    properties5;             /* masked byte */
    BYTE    durationByte1;           /* MSB */

```



```

    BYTE    durationByte2;                /* LSB */
    BYTE    reportsToFollow;              /**/
    BYTE    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;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    scheduleId;                 /**/
    BYTE    scheduleIdBlock;            /**/
    BYTE    properties1;                /* masked byte */
} ZW_COMMAND_SCHEDULE_GET_V3_FRAME;

/*****
/* Command Schedule Report V3 variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_REPORT_1BYTE_V3_VG_
{
    BYTE    cmdLength;                  /**/
    BYTE    cmdByte1;
} VG_COMMAND_SCHEDULE_REPORT_1BYTE_V3_VG;

/*****
/* Command Schedule Report V3 variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_REPORT_2BYTE_V3_VG_
{
    BYTE    cmdLength;                  /**/
    BYTE    cmdByte1;                  /* MSB */
    BYTE    cmdByte2;                  /* LSB */
} VG_COMMAND_SCHEDULE_REPORT_2BYTE_V3_VG;

/*****
/* Command Schedule Report V3 variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_REPORT_3BYTE_V3_VG_
{
    BYTE    cmdLength;                  /**/
    BYTE    cmdByte1;                  /* MSB */
    BYTE    cmdByte2;
    BYTE    cmdByte3;                  /* LSB */
} VG_COMMAND_SCHEDULE_REPORT_3BYTE_V3_VG;

/*****
/* Command Schedule Report V3 variant group structs */
*****/
typedef struct _VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG_
{
    BYTE    cmdLength;                  /**/
    BYTE    cmdByte1;                  /* MSB */
    BYTE    cmdByte2;
    BYTE    cmdByte3;
    BYTE    cmdByte4;                  /* LSB */
} VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG;

/*****
/* Command Schedule Report 1byte V3 command class structs */
*****/
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    scheduleId;                 /**/
    BYTE    scheduleIdBlock;            /**/
    BYTE    startYear;                 /**/
    BYTE    properties1;                /* masked byte */
    BYTE    properties2;                /* masked byte */
    BYTE    properties3;                /* masked byte */
    BYTE    properties4;                /* masked byte */
    BYTE    properties5;                /* masked byte */
    BYTE    durationByte1;              /* MSB */
    BYTE    durationByte2;              /* LSB */
    BYTE    reportsToFollow;            /**/

```

```

    BYTE    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_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    scheduleId;                  /**/
    BYTE    scheduleIdBlock;             /**/
    BYTE    startYear;                   /**/
    BYTE    properties1;                  /* masked byte */
    BYTE    properties2;                  /* masked byte */
    BYTE    properties3;                  /* masked byte */
    BYTE    properties4;                  /* masked byte */
    BYTE    properties5;                  /* masked byte */
    BYTE    durationByte1;                /* MSB */
    BYTE    durationByte2;                /* LSB */
    BYTE    reportsToFollow;              /**/
    BYTE    numberOfCmdToFollow;          /**/
    VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG variantgroup1;          /**/
    VG_COMMAND_SCHEDULE_REPORT_4BYTE_V3_VG variantgroup2;          /**/
} ZW_COMMAND_SCHEDULE_REPORT_2BYTE_V3_FRAME;

/*****
/* Command Schedule Report 3byte V3 command class structs */
*****/
typedef struct _ZW_COMMAND_SCHEDULE_REPORT_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    scheduleId;                  /**/
    BYTE    scheduleIdBlock;             /**/
    BYTE    startYear;                   /**/
    BYTE    properties1;                  /* masked byte */
    BYTE    properties2;                  /* masked byte */
    BYTE    properties3;                  /* masked byte */
    BYTE    properties4;                  /* masked byte */
    BYTE    properties5;                  /* masked byte */
    BYTE    durationByte1;                /* MSB */
    BYTE    durationByte2;                /* LSB */
    BYTE    reportsToFollow;              /**/
    BYTE    numberOfCmdToFollow;          /**/
    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_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    scheduleId;                  /**/
    BYTE    scheduleIdBlock;             /**/
    BYTE    startYear;                   /**/
    BYTE    properties1;                  /* masked byte */
    BYTE    properties2;                  /* masked byte */
    BYTE    properties3;                  /* masked byte */
    BYTE    properties4;                  /* masked byte */
    BYTE    properties5;                  /* masked byte */
    BYTE    durationByte1;                /* MSB */
    BYTE    durationByte2;                /* LSB */
    BYTE    reportsToFollow;              /**/
    BYTE    numberOfCmdToFollow;          /**/
    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    cmd;                    /* The command */
    BYTE    scheduleId;              /**/
    BYTE    scheduleIdBlock;         /**/
} ZW_SCHEDULE_REMOVE_V3_FRAME;

/*****/
/* Schedule State Set V3 command class structs */
/*****/
typedef struct _ZW_SCHEDULE_STATE_SET_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleId;              /**/
    BYTE    scheduleState;           /**/
    BYTE    scheduleIdBlock;         /**/
} ZW_SCHEDULE_STATE_SET_V3_FRAME;

/*****/
/* Schedule State Get V3 command class structs */
/*****/
typedef struct _ZW_SCHEDULE_STATE_GET_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    scheduleIdBlock;         /**/
} ZW_SCHEDULE_STATE_GET_V3_FRAME;

/*****/
/* Schedule State Report V3 command class structs */
/*****/
typedef struct _ZW_SCHEDULE_STATE_REPORT_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    numberOfSupportedScheduleId; /**/
    BYTE    properties1;             /* masked byte */
    BYTE    properties2;             /* masked byte */
    BYTE    properties3;             /* masked byte */
    BYTE    scheduleIdBlock;         /**/
} ZW_SCHEDULE_STATE_REPORT_V3_FRAME;

/*****/
/* Controller Change command class structs */
/*****/
typedef struct _ZW_CONTROLLER_CHANGE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    reserved;               /**/
    BYTE    mode;                   /**/
    BYTE    txOptions;              /**/
} ZW_CONTROLLER_CHANGE_FRAME;

/*****/
/* Controller Change Status 1byte command class structs */
/*****/
typedef struct _ZW_CONTROLLER_CHANGE_STATUS_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    seqNo;                  /**/
    BYTE    status;                 /**/
    BYTE    reserved;               /**/
    BYTE    newNodeId;              /**/
    BYTE    nodeInfoLength;         /**/
    BYTE    properties1;             /* masked byte */
    BYTE    properties2;             /* masked byte */
    BYTE    basicDeviceClass;        /**/
    BYTE    genericDeviceClass;      /**/
    BYTE    specificDeviceClass;     /**/
    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 */

```

```

    BYTE    cmd;                                /* The command */
    BYTE    seqNo;                              /**/
    BYTE    status;                             /**/
    BYTE    reserved;                           /**/
    BYTE    newNodeId;                          /**/
    BYTE    nodeInfoLength;                     /**/
    BYTE    properties1;                        /* masked byte */
    BYTE    properties2;                        /* masked byte */
    BYTE    basicDeviceClass;                   /**/
    BYTE    genericDeviceClass;                 /**/
    BYTE    specificDeviceClass;                /**/
    BYTE    commandClass1;                      /* MSB */
    BYTE    commandClass2;                      /* LSB */
} ZW_CONTROLLER_CHANGE_STATUS_2BYTE_FRAME;

/*****
/* Controller Change Status 3byte command class structs */
*****/
typedef struct _ZW_CONTROLLER_CHANGE_STATUS_3BYTE_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                               /* The command */
    BYTE    seqNo;                              /**/
    BYTE    status;                             /**/
    BYTE    reserved;                           /**/
    BYTE    newNodeId;                          /**/
    BYTE    nodeInfoLength;                     /**/
    BYTE    properties1;                        /* masked byte */
    BYTE    properties2;                        /* masked byte */
    BYTE    basicDeviceClass;                   /**/
    BYTE    genericDeviceClass;                 /**/
    BYTE    specificDeviceClass;                /**/
    BYTE    commandClass1;                      /* MSB */
    BYTE    commandClass2;                      /* LSB */
    BYTE    commandClass3;                      /* LSB */
} ZW_CONTROLLER_CHANGE_STATUS_3BYTE_FRAME;

/*****
/* Controller Change Status 4byte command class structs */
*****/
typedef struct _ZW_CONTROLLER_CHANGE_STATUS_4BYTE_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                               /* The command */
    BYTE    seqNo;                              /**/
    BYTE    status;                             /**/
    BYTE    reserved;                           /**/
    BYTE    newNodeId;                          /**/
    BYTE    nodeInfoLength;                     /**/
    BYTE    properties1;                        /* masked byte */
    BYTE    properties2;                        /* masked byte */
    BYTE    basicDeviceClass;                   /**/
    BYTE    genericDeviceClass;                 /**/
    BYTE    specificDeviceClass;                /**/
    BYTE    commandClass1;                      /* MSB */
    BYTE    commandClass2;                      /* MSB */
    BYTE    commandClass3;                      /* MSB */
    BYTE    commandClass4;                      /* LSB */
} ZW_CONTROLLER_CHANGE_STATUS_4BYTE_FRAME;

/*****
/* Zip Node Solicitation command class structs */
*****/
typedef struct _ZW_ZIP_NODE_SOLICITATION_FRAME_
{
    BYTE    cmdClass;                          /* The command class */
    BYTE    cmd;                               /* The command */
    BYTE    reserved;                           /**/
    BYTE    nodeId;                             /**/
    BYTE    ipv6Address1;                       /* MSB */
    BYTE    ipv6Address2;
    BYTE    ipv6Address3;
    BYTE    ipv6Address4;
    BYTE    ipv6Address5;
    BYTE    ipv6Address6;
    BYTE    ipv6Address7;
    BYTE    ipv6Address8;
    BYTE    ipv6Address9;
    BYTE    ipv6Address10;
    BYTE    ipv6Address11;
    BYTE    ipv6Address12;

```

```

    BYTE    ipv6Address13;
    BYTE    ipv6Address14;
    BYTE    ipv6Address15;
    BYTE    ipv6Address16;                /* LSB */
} ZW_ZIP_NODE_SOLICITATION_FRAME;

/*****/
/* Zip Inv Node Solicitation command class structs */
/*****/
typedef struct _ZW_ZIP_INV_NODE_SOLICITATION_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    properties1;                /* masked byte */
    BYTE    nodeId;                    /**/
} ZW_ZIP_INV_NODE_SOLICITATION_FRAME;

/*****/
/* Zip Node Advertisement command class structs */
/*****/
typedef struct _ZW_ZIP_NODE_ADVERTISEMENT_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    properties1;                /* masked byte */
    BYTE    nodeId;                    /**/
    BYTE    ipv6Address1;                /* MSB */
    BYTE    ipv6Address2;
    BYTE    ipv6Address3;
    BYTE    ipv6Address4;
    BYTE    ipv6Address5;
    BYTE    ipv6Address6;
    BYTE    ipv6Address7;
    BYTE    ipv6Address8;
    BYTE    ipv6Address9;
    BYTE    ipv6Address10;
    BYTE    ipv6Address11;
    BYTE    ipv6Address12;
    BYTE    ipv6Address13;
    BYTE    ipv6Address14;
    BYTE    ipv6Address15;
    BYTE    ipv6Address16;                /* LSB */
    BYTE    homeId1;                    /* MSB */
    BYTE    homeId2;
    BYTE    homeId3;
    BYTE    homeId4;                    /* LSB */
} ZW_ZIP_NODE_ADVERTISEMENT_FRAME;

/*****/
/* Association Group Name Get command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_GROUP_NAME_GET_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    groupingIdentifier;          /**/
} ZW_ASSOCIATION_GROUP_NAME_GET_FRAME;

/*****/
/* Association Group Name Report 1byte command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    groupingIdentifier;          /**/
    BYTE    lengthOfName;                /**/
    BYTE    name1;
} ZW_ASSOCIATION_GROUP_NAME_REPORT_1BYTE_FRAME;

/*****/
/* Association Group Name Report 2byte command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    groupingIdentifier;          /**/
    BYTE    lengthOfName;                /**/
    BYTE    name1;                        /* MSB */
    BYTE    name2;                        /* LSB */
}

```

```

} ZW_ASSOCIATION_GROUP_NAME_REPORT_2BYTE_FRAME;

/*****
/* Association Group Name Report 3byte command class structs */
*****/
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    groupingIdentifier; /* */
    BYTE    lengthOfName;      /* */
    BYTE    name1;             /* MSB */
    BYTE    name2;
    BYTE    name3;             /* LSB */
} ZW_ASSOCIATION_GROUP_NAME_REPORT_3BYTE_FRAME;

/*****
/* Association Group Name Report 4byte command class structs */
*****/
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    groupingIdentifier; /* */
    BYTE    lengthOfName;      /* */
    BYTE    name1;             /* MSB */
    BYTE    name2;
    BYTE    name3;
    BYTE    name4;             /* LSB */
} ZW_ASSOCIATION_GROUP_NAME_REPORT_4BYTE_FRAME;

/*****
/* Association Group Info Get command class structs */
*****/
typedef struct _ZW_ASSOCIATION_GROUP_INFO_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    groupingIdentifier; /* */
} ZW_ASSOCIATION_GROUP_INFO_GET_FRAME;

/*****
/* Association Group Info Report variant group structs */
*****/
typedef struct _VG_ASSOCIATION_GROUP_INFO_REPORT_VG_
{
    BYTE    groupingIdentifier; /* */
    BYTE    mode;              /* */
    BYTE    profile1;          /* */
    BYTE    profile2;          /* */
    BYTE    reserved;          /* */
    BYTE    eventCode1;        /* MSB */
    BYTE    eventCode2;        /* LSB */
} VG_ASSOCIATION_GROUP_INFO_REPORT_VG;

/*****
/* Association Group Info Report 1byte command class structs */
*****/
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    properties1;        /* masked byte */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    properties1;        /* masked byte */
    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;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked 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;

/*****
/* Association Group Info Report 4byte command class structs */
/*****
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_4BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* 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;

/*****
/* Association Group Command List Get command class structs */
/*****
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_GET_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    BYTE      groupingIdentifier; /**/
} 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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      groupingIdentifier; /**/
    BYTE      listLength;        /**/
    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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      groupingIdentifier; /**/
    BYTE      listLength;        /**/
    BYTE      command1;          /* MSB */
    BYTE      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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      groupingIdentifier; /**/
    BYTE      listLength;        /**/
    BYTE      command1;          /* MSB */
    BYTE      command2;
    BYTE      command3;          /* LSB */
} 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_
{
    BYTE      cmdClass;          /* The command class */

```

```

    BYTE      cmd;                                /* The command */
    BYTE      groupingIdentifier;                   /**/
    BYTE      listLength;                          /**/
    BYTE      command1;                            /* MSB */
    BYTE      command2;
    BYTE      command3;
    BYTE      command4;                            /* LSB */
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_FRAME;

/*****/
/* Association Group Name Get V2 command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_GROUP_NAME_GET_V2_FRAME_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      groupingIdentifier;                   /**/
} ZW_ASSOCIATION_GROUP_NAME_GET_V2_FRAME;

/*****/
/* Association Group Name Report 1byte V2 command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_1BYTE_V2_FRAME_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      groupingIdentifier;                   /**/
    BYTE      lengthOfName;                        /**/
    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_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      groupingIdentifier;                   /**/
    BYTE      lengthOfName;                        /**/
    BYTE      name1;                               /* MSB */
    BYTE      name2;                               /* LSB */
} 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_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      groupingIdentifier;                   /**/
    BYTE      lengthOfName;                        /**/
    BYTE      name1;                               /* MSB */
    BYTE      name2;
    BYTE      name3;                               /* LSB */
} 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 */
    BYTE      cmd;                                /* The command */
    BYTE      groupingIdentifier;                   /**/
    BYTE      lengthOfName;                        /**/
    BYTE      name1;                               /* MSB */
    BYTE      name2;
    BYTE      name3;
    BYTE      name4;                               /* LSB */
} ZW_ASSOCIATION_GROUP_NAME_REPORT_4BYTE_V2_FRAME;

/*****/
/* Association Group Info Get V2 command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_GROUP_INFO_GET_V2_FRAME_
{
    BYTE      cmdClass;                            /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      properties1;                        /* masked byte */

```



```

    BYTE    groupingIdentifier;          /**/
} ZW_ASSOCIATION_GROUP_INFO_GET_V2_FRAME;

/*****
/* Association Group Info Report V2 variant group structs */
*****/
typedef struct _VG_ASSOCIATION_GROUP_INFO_REPORT_V2_VG_
{
    BYTE    groupingIdentifier;          /**/
    BYTE    mode;                        /**/
    BYTE    profile1;                     /**/
    BYTE    profile2;                     /**/
    BYTE    reserved;                     /**/
    BYTE    eventCode1;                   /* MSB */
    BYTE    eventCode2;                   /* LSB */
} VG_ASSOCIATION_GROUP_INFO_REPORT_V2_VG;

/*****
/* Association Group Info Report 1byte V2 command class structs */
*****/
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    properties1;                   /* masked byte */
    VG_ASSOCIATION_GROUP_INFO_REPORT_V2_VG variantgroup1; /**/
} ZW_ASSOCIATION_GROUP_INFO_REPORT_1BYTE_V2_FRAME;

/*****
/* Association Group Info Report 2byte V2 command class structs */
*****/
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    properties1;                   /* 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_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    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_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    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; /**/
    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_
{
    BYTE    cmdClass;                     /* The command class */
    BYTE    cmd;                           /* The command */
    BYTE    properties1;                   /* masked byte */
    BYTE    groupingIdentifier;           /**/
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /* */
    BYTE    listLength;         /* */
    BYTE    command1;           /* MSB */
    BYTE    command2;           /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /* */
    BYTE    listLength;         /* */
    BYTE    command1;           /* MSB */
    BYTE    command2;
    BYTE    command3;           /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /* */
    BYTE    listLength;         /* */
    BYTE    command1;           /* MSB */
    BYTE    command2;
    BYTE    command3;
    BYTE    command4;           /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /* */
    BYTE    lengthOfName;
    BYTE    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /* */

```

```

    BYTE    lengthOfName;           /**/
    BYTE    name1;                  /* MSB */
    BYTE    name2;                  /* LSB */
} ZW_ASSOCIATION_GROUP_NAME_REPORT_2BYTE_V3_FRAME;

/*****/
/* Association Group Name Report 3byte V3 command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_3BYTE_V3_FRAME_
{
    BYTE    cmdClass;               /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;     /**/
    BYTE    lengthOfName;           /**/
    BYTE    name1;                  /* MSB */
    BYTE    name2;                  /* LSB */
} ZW_ASSOCIATION_GROUP_NAME_REPORT_3BYTE_V3_FRAME;

/*****/
/* Association Group Name Report 4byte V3 command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_GROUP_NAME_REPORT_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;               /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;     /**/
    BYTE    lengthOfName;           /**/
    BYTE    name1;                  /* MSB */
    BYTE    name2;
    BYTE    name3;
    BYTE    name4;                  /* LSB */
} 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_
{
    BYTE    cmdClass;               /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    groupingIdentifier;     /**/
} ZW_ASSOCIATION_GROUP_INFO_GET_V3_FRAME;

/*****/
/* Association Group Info Report V3 variant group structs */
/*****/
typedef struct _VG_ASSOCIATION_GROUP_INFO_REPORT_V3_VG_
{
    BYTE    groupingIdentifier;     /**/
    BYTE    mode;                   /**/
    BYTE    profile1;               /**/
    BYTE    profile2;               /**/
    BYTE    reserved;               /**/
    BYTE    eventCode1;             /* MSB */
    BYTE    eventCode2;             /* LSB */
} 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_
{
    BYTE    cmdClass;               /* The command class */
    BYTE    cmd;                    /* The command */
    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_
{
    BYTE    cmdClass;               /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    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;    /**/
} ZW_ASSOCIATION_GROUP_INFO_REPORT_3BYTE_V3_FRAME;

/*****
/* Association Group Info Report 4byte V3 command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_GROUP_INFO_REPORT_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    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;    /**/
} ZW_ASSOCIATION_GROUP_INFO_REPORT_4BYTE_V3_FRAME;

/*****
/* Association Group Command List Get V3 command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_GET_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    groupingIdentifier;  /**/
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_GET_V3_FRAME;

/*****
/* Association Group Command List Report 1byte V3 command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_1BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /**/
    BYTE    listLength;         /**/
    BYTE    command1;
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_1BYTE_V3_FRAME;

/*****
/* Association Group Command List Report 2byte V3 command class structs */
/*****/
typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_2BYTE_V3_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /**/
    BYTE    listLength;         /**/
    BYTE    command1;           /* MSB */
    BYTE    command2;           /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    groupingIdentifier;  /**/
    BYTE    listLength;         /**/
    BYTE    command1;           /* MSB */
    BYTE    command2;
    BYTE    command3;           /* LSB */
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_3BYTE_V3_FRAME;

/*****
/* Association Group Command List Report 4byte V3 command class structs */
/*****/

```

```

typedef struct _ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_V3_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    groupingIdentifier;      /**/
    BYTE    listLength;             /**/
    BYTE    command1;               /* MSB */
    BYTE    command2;
    BYTE    command3;
    BYTE    command4;              /* LSB */
} ZW_ASSOCIATION_GROUP_COMMAND_LIST_REPORT_4BYTE_V3_FRAME;

/*****
/* Device Reset Locally Notification command class structs */
*****/
typedef struct _ZW_DEVICE_RESET_LOCALLY_NOTIFICATION_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_DEVICE_RESET_LOCALLY_NOTIFICATION_FRAME;

/*****
/* Central Scene Supported Get command class structs */
*****/
typedef struct _ZW_CENTRAL_SCENE_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_CENTRAL_SCENE_SUPPORTED_GET_FRAME;

/*****
/* Central Scene Supported Report command class structs */
*****/
typedef struct _ZW_CENTRAL_SCENE_SUPPORTED_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    supportedScenes;        /**/
} ZW_CENTRAL_SCENE_SUPPORTED_REPORT_FRAME;

/*****
/* Central Scene Notification command class structs */
*****/
typedef struct _ZW_CENTRAL_SCENE_NOTIFICATION_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    sequenceNumber;         /**/
    BYTE    properties1;            /* masked 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_CENTRAL_SCENE_SUPPORTED_GET_V2_FRAME;

/*****
/* Central Scene Supported Report V2 variant group structs */
*****/
typedef struct _VG_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V2_VG_
{
    BYTE    supportedKeyAttributesForScene1;
} 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_
{
    BYTE    supportedKeyAttributesForScene1; /* MSB */
    BYTE    supportedKeyAttributesForScene2; /* LSB */
} VG_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V2_VG;

/*****
/* Central Scene Supported Report V2 variant group structs */
*****/

```

```

typedef struct _VG_CENTRAL_SCENE_SUPPORTED_REPORT_3BYTE_V2_VG_
{
    BYTE    supportedKeyAttributesForScene1; /* MSB */
    BYTE    supportedKeyAttributesForScene2;
    BYTE    supportedKeyAttributesForScene3; /* LSB */
} 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 */
    BYTE    supportedKeyAttributesForScene2;
    BYTE    supportedKeyAttributesForScene3;
    BYTE    supportedKeyAttributesForScene4; /* LSB */
} 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 */
    BYTE    supportedScenes;         /**/
    BYTE    properties1;             /* masked byte */
    VG_CENTRAL_SCENE_SUPPORTED_REPORT_4BYTE_V2_VG variantgroup1; /**/
} ZW_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V2_FRAME;

/*****/
/* 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    cmd;                    /* The command */
    BYTE    supportedScenes;         /**/
    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 */
    BYTE    cmd;                    /* The command */
    BYTE    supportedScenes;         /**/
    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; /**/
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    supportedScenes;         /**/
    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;

/*****/
/* Central Scene Notification V2 command class structs */
/*****/
typedef struct _ZW_CENTRAL_SCENE_NOTIFICATION_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    sequenceNumber;         /**/
    BYTE    properties1;             /* masked byte */

```

```

    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_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                         /* The command */
} 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_
{
    BYTE    supportedKeyAttributesForScene1;
} VG_CENTRAL_SCENE_SUPPORTED_REPORT_1BYTE_V3_VG;

/*****
/* Central Scene Supported Report V3 variant group structs */
*****/
typedef struct _VG_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V3_VG_
{
    BYTE    supportedKeyAttributesForScene1; /* MSB */
    BYTE    supportedKeyAttributesForScene2; /* LSB */
} VG_CENTRAL_SCENE_SUPPORTED_REPORT_2BYTE_V3_VG;

/*****
/* Central Scene Supported Report V3 variant group structs */
*****/
typedef struct _VG_CENTRAL_SCENE_SUPPORTED_REPORT_3BYTE_V3_VG_
{
    BYTE    supportedKeyAttributesForScene1; /* MSB */
    BYTE    supportedKeyAttributesForScene2;
    BYTE    supportedKeyAttributesForScene3; /* LSB */
} 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_
{
    BYTE    supportedKeyAttributesForScene1; /* MSB */
    BYTE    supportedKeyAttributesForScene2;
    BYTE    supportedKeyAttributesForScene3;
    BYTE    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_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                         /* The command */
    BYTE    supportedScenes;              /**/
    BYTE    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_
{
    BYTE    cmdClass;                    /* The command class */
    BYTE    cmd;                         /* The command */
    BYTE    supportedScenes;              /**/
    BYTE    properties1;                 /* masked byte */
    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 */

```

```

    BYTE      cmd;                                /* The command */
    BYTE      supportedScenes;                     /**/
    BYTE      properties1;                         /* masked byte */
    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_
{
    BYTE      cmdClass;                           /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      supportedScenes;                     /**/
    BYTE      properties1;                         /* masked byte */
    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_
{
    BYTE      cmdClass;                           /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      sequenceNumber;                     /**/
    BYTE      properties1;                         /* masked byte */
    BYTE      sceneNumber;                        /**/
} ZW_CENTRAL_SCENE_NOTIFICATION_V3_FRAME;

/*****/
/* Central Scene Configuration Set V3 command class structs */
/*****/
typedef struct _ZW_CENTRAL_SCENE_CONFIGURATION_SET_V3_FRAME_
{
    BYTE      cmdClass;                           /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      properties1;                         /* masked 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_
{
    BYTE      cmdClass;                           /* The command class */
    BYTE      cmd;                                /* The command */
} 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 */
    BYTE      cmd;                                /* The command */
    BYTE      properties1;                         /* masked byte */
} ZW_CENTRAL_SCENE_CONFIGURATION_REPORT_V3_FRAME;

/*****/
/* Ip Association Set command class structs */
/*****/
typedef struct _ZW_IP_ASSOCIATION_SET_FRAME_
{
    BYTE      cmdClass;                           /* The command class */
    BYTE      cmd;                                /* The command */
    BYTE      groupingIdentifier;                 /**/
    BYTE      ipv6Address1;                       /* MSB */
    BYTE      ipv6Address2;
    BYTE      ipv6Address3;
    BYTE      ipv6Address4;
    BYTE      ipv6Address5;
    BYTE      ipv6Address6;
    BYTE      ipv6Address7;
    BYTE      ipv6Address8;
    BYTE      ipv6Address9;

```



```

    BYTE    ipv6Address10;
    BYTE    ipv6Address11;
    BYTE    ipv6Address12;
    BYTE    ipv6Address13;
    BYTE    ipv6Address14;
    BYTE    ipv6Address15;
    BYTE    ipv6Address16;          /* LSB */
    BYTE    endPoint;              /**/
} ZW_IP_ASSOCIATION_SET_FRAME;

/*****/
/* Ip Association Get command class structs */
/*****/
typedef struct _ZW_IP_ASSOCIATION_GET_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                   /* The command */
    BYTE    groupingIdentifier;    /**/
    BYTE    index;                 /**/
} ZW_IP_ASSOCIATION_GET_FRAME;

/*****/
/* Ip Association Report command class structs */
/*****/
typedef struct _ZW_IP_ASSOCIATION_REPORT_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                   /* The command */
    BYTE    groupingIdentifier;    /**/
    BYTE    index;                 /**/
    BYTE    actualNodes;           /**/
    BYTE    ipv6Address1;          /* MSB */
    BYTE    ipv6Address2;
    BYTE    ipv6Address3;
    BYTE    ipv6Address4;
    BYTE    ipv6Address5;
    BYTE    ipv6Address6;
    BYTE    ipv6Address7;
    BYTE    ipv6Address8;
    BYTE    ipv6Address9;
    BYTE    ipv6Address10;
    BYTE    ipv6Address11;
    BYTE    ipv6Address12;
    BYTE    ipv6Address13;
    BYTE    ipv6Address14;
    BYTE    ipv6Address15;
    BYTE    ipv6Address16;          /* LSB */
    BYTE    endPoint;              /**/
} ZW_IP_ASSOCIATION_REPORT_FRAME;

/*****/
/* Ip Association Remove command class structs */
/*****/
typedef struct _ZW_IP_ASSOCIATION_REMOVE_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                   /* The command */
    BYTE    groupingIdentifier;    /**/
    BYTE    ipv6Address1;          /* MSB */
    BYTE    ipv6Address2;
    BYTE    ipv6Address3;
    BYTE    ipv6Address4;
    BYTE    ipv6Address5;
    BYTE    ipv6Address6;
    BYTE    ipv6Address7;
    BYTE    ipv6Address8;
    BYTE    ipv6Address9;
    BYTE    ipv6Address10;
    BYTE    ipv6Address11;
    BYTE    ipv6Address12;
    BYTE    ipv6Address13;
    BYTE    ipv6Address14;
    BYTE    ipv6Address15;
    BYTE    ipv6Address16;          /* LSB */
    BYTE    endPoint;              /**/
} ZW_IP_ASSOCIATION_REMOVE_FRAME;

/*****/
/* Antitheft Set 1byte command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_SET_1BYTE_FRAME_

```

```

{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    magicCode1;
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    antiTheftHintNumberBytes; /* */
    BYTE    antiTheftHintByte1;
} ZW_ANTITHEFT_SET_1BYTE_FRAME;

/*****/
/* Antitheft Set 2byte command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    magicCode1;            /* MSB */
    BYTE    magicCode2;            /* LSB */
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    antiTheftHintNumberBytes; /* */
    BYTE    antiTheftHintByte1;    /* MSB */
    BYTE    antiTheftHintByte2;    /* LSB */
} ZW_ANTITHEFT_SET_2BYTE_FRAME;

/*****/
/* Antitheft Set 3byte command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    magicCode1;            /* MSB */
    BYTE    magicCode2;
    BYTE    magicCode3;            /* LSB */
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    antiTheftHintNumberBytes; /* */
    BYTE    antiTheftHintByte1;    /* MSB */
    BYTE    antiTheftHintByte2;
    BYTE    antiTheftHintByte3;    /* LSB */
} ZW_ANTITHEFT_SET_3BYTE_FRAME;

/*****/
/* Antitheft Set 4byte command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_SET_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    magicCode1;            /* MSB */
    BYTE    magicCode2;
    BYTE    magicCode3;
    BYTE    magicCode4;            /* LSB */
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    antiTheftHintNumberBytes; /* */
    BYTE    antiTheftHintByte1;    /* MSB */
    BYTE    antiTheftHintByte2;
    BYTE    antiTheftHintByte3;
    BYTE    antiTheftHintByte4;    /* LSB */
} ZW_ANTITHEFT_SET_4BYTE_FRAME;

/*****/
/* Antitheft Get command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_ANTITHEFT_GET_FRAME;

/*****/
/* Antitheft Report 1byte command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_REPORT_1BYTE_FRAME_

```

```

{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    antiTheftProtectionStatus; /* */
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    antiTheftHintNumberBytes; /* */
    BYTE    antiTheftHintByte1;
} ZW_ANTITHEFT_REPORT_1BYTE_FRAME;

/*****/
/* Antitheft Report 2byte command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    antiTheftProtectionStatus; /* */
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    antiTheftHintNumberBytes; /* */
    BYTE    antiTheftHintByte1;    /* MSB */
    BYTE    antiTheftHintByte2;    /* LSB */
} ZW_ANTITHEFT_REPORT_2BYTE_FRAME;

/*****/
/* Antitheft Report 3byte command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    antiTheftProtectionStatus; /* */
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    antiTheftHintNumberBytes; /* */
    BYTE    antiTheftHintByte1;    /* MSB */
    BYTE    antiTheftHintByte2;
    BYTE    antiTheftHintByte3;    /* LSB */
} ZW_ANTITHEFT_REPORT_3BYTE_FRAME;

/*****/
/* Antitheft Report 4byte command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    antiTheftProtectionStatus; /* */
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    antiTheftHintNumberBytes; /* */
    BYTE    antiTheftHintByte1;    /* MSB */
    BYTE    antiTheftHintByte2;
    BYTE    antiTheftHintByte3;
    BYTE    antiTheftHintByte4;    /* LSB */
} ZW_ANTITHEFT_REPORT_4BYTE_FRAME;

/*****/
/* Antitheft Set 1byte V2 command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_SET_1BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    magicCodel;
    BYTE    manufacturerId1;        /* MSB */
    BYTE    manufacturerId2;        /* LSB */
    BYTE    antiTheftHintNumberBytes; /* */
    BYTE    antiTheftHintByte1;
} ZW_ANTITHEFT_SET_1BYTE_V2_FRAME;

/*****/
/* Antitheft Set 2byte V2 command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_SET_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */

```

```

    BYTE    magicCode1;                /* MSB */
    BYTE    magicCode2;                /* LSB */
    BYTE    manufacturerId1;           /* MSB */
    BYTE    manufacturerId2;           /* LSB */
    BYTE    antiTheftHintNumberBytes;  /**/
    BYTE    antiTheftHintByte1;        /* MSB */
    BYTE    antiTheftHintByte2;        /* 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 */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    magicCode1;                /* MSB */
    BYTE    magicCode2;
    BYTE    magicCode3;                /* LSB */
    BYTE    manufacturerId1;           /* MSB */
    BYTE    manufacturerId2;           /* LSB */
    BYTE    antiTheftHintNumberBytes;  /**/
    BYTE    antiTheftHintByte1;        /* MSB */
    BYTE    antiTheftHintByte2;
    BYTE    antiTheftHintByte3;        /* LSB */
} ZW_ANTITHEFT_SET_3BYTE_V2_FRAME;

/*****/
/* Antitheft Set 4byte V2 command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_SET_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    magicCode1;                /* MSB */
    BYTE    magicCode2;
    BYTE    magicCode3;
    BYTE    magicCode4;                /* LSB */
    BYTE    manufacturerId1;           /* MSB */
    BYTE    manufacturerId2;           /* LSB */
    BYTE    antiTheftHintNumberBytes;  /**/
    BYTE    antiTheftHintByte1;        /* MSB */
    BYTE    antiTheftHintByte2;
    BYTE    antiTheftHintByte3;
    BYTE    antiTheftHintByte4;        /* LSB */
} ZW_ANTITHEFT_SET_4BYTE_V2_FRAME;

/*****/
/* Antitheft Get V2 command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_GET_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
} 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 */
    BYTE    cmd;                       /* The command */
    BYTE    antiTheftProtectionStatus; /**/
    BYTE    manufacturerId1;           /* MSB */
    BYTE    manufacturerId2;           /* LSB */
    BYTE    antiTheftHintNumberBytes;  /**/
    BYTE    antiTheftHintByte1;
} ZW_ANTITHEFT_REPORT_1BYTE_V2_FRAME;

/*****/
/* Antitheft Report 2byte V2 command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_REPORT_2BYTE_V2_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    antiTheftProtectionStatus; /**/
    BYTE    manufacturerId1;           /* MSB */

```

```

    BYTE    manufacturerId2;          /* LSB */
    BYTE    antiTheftHintNumberBytes; /* */
    BYTE    antiTheftHintByte1;       /* MSB */
    BYTE    antiTheftHintByte2;       /* LSB */
} ZW_ANTITHEFT_REPORT_2BYTE_V2_FRAME;

/*****/
/* Antitheft Report 3byte V2 command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_REPORT_3BYTE_V2_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    antiTheftProtectionStatus; /* */
    BYTE    manufacturerId1;          /* MSB */
    BYTE    manufacturerId2;          /* LSB */
    BYTE    antiTheftHintNumberBytes; /* */
    BYTE    antiTheftHintByte1;       /* MSB */
    BYTE    antiTheftHintByte2;
    BYTE    antiTheftHintByte3;       /* LSB */
} ZW_ANTITHEFT_REPORT_3BYTE_V2_FRAME;

/*****/
/* Antitheft Report 4byte V2 command class structs */
/*****/
typedef struct _ZW_ANTITHEFT_REPORT_4BYTE_V2_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    antiTheftProtectionStatus; /* */
    BYTE    manufacturerId1;          /* MSB */
    BYTE    manufacturerId2;          /* LSB */
    BYTE    antiTheftHintNumberBytes; /* */
    BYTE    antiTheftHintByte1;       /* MSB */
    BYTE    antiTheftHintByte2;
    BYTE    antiTheftHintByte3;
    BYTE    antiTheftHintByte4;       /* LSB */
} ZW_ANTITHEFT_REPORT_4BYTE_V2_FRAME;

/*****/
/* Zwaveplus Info Get command class structs */
/*****/
typedef struct _ZW_ZWAVEPLUS_INFO_GET_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
} ZW_ZWAVEPLUS_INFO_GET_FRAME;

/*****/
/* Zwaveplus Info Report command class structs */
/*****/
typedef struct _ZW_ZWAVEPLUS_INFO_REPORT_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    zwaveVersion;             /* */
    BYTE    roleType;                 /* */
    BYTE    nodeType;                 /* */
} ZW_ZWAVEPLUS_INFO_REPORT_FRAME;

/*****/
/* Zwaveplus Info Get V2 command class structs */
/*****/
typedef struct _ZW_ZWAVEPLUS_INFO_GET_V2_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
} ZW_ZWAVEPLUS_INFO_GET_V2_FRAME;

/*****/
/* Zwaveplus Info Report V2 command class structs */
/*****/
typedef struct _ZW_ZWAVEPLUS_INFO_REPORT_V2_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    zwaveVersion;             /* */
    BYTE    roleType;                 /* */
    BYTE    nodeType;                 /* */
    BYTE    installerIconType1;       /* MSB */
    BYTE    installerIconType2;       /* LSB */
}

```

```

    BYTE    userIconType1;           /* MSB */
    BYTE    userIconType2;           /* LSB */
} ZW_ZWAVEPLUS_INFO_REPORT_V2_FRAME;

/*****
/* Gateway Mode Set command class structs */
*****/
typedef struct _ZW_GATEWAY_MODE_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    mode;                    /**/
} ZW_GATEWAY_MODE_SET_FRAME;

/*****
/* Gateway Mode Get command class structs */
*****/
typedef struct _ZW_GATEWAY_MODE_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_GATEWAY_MODE_GET_FRAME;

/*****
/* Gateway Mode Report command class structs */
*****/
typedef struct _ZW_GATEWAY_MODE_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    mode;                    /**/
} ZW_GATEWAY_MODE_REPORT_FRAME;

/*****
/* Gateway Peer Set 1byte command class structs */
*****/
typedef struct _ZW_GATEWAY_PEER_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    peerProfile;             /**/
    BYTE    ipv6Address1;            /* MSB */
    BYTE    ipv6Address2;
    BYTE    ipv6Address3;
    BYTE    ipv6Address4;
    BYTE    ipv6Address5;
    BYTE    ipv6Address6;
    BYTE    ipv6Address7;
    BYTE    ipv6Address8;
    BYTE    ipv6Address9;
    BYTE    ipv6Address10;
    BYTE    ipv6Address11;
    BYTE    ipv6Address12;
    BYTE    ipv6Address13;
    BYTE    ipv6Address14;
    BYTE    ipv6Address15;
    BYTE    ipv6Address16;           /* LSB */
    BYTE    port1;                   /* MSB */
    BYTE    port2;                   /* LSB */
    BYTE    properties1;             /* masked byte */
    BYTE    peerName1;
} ZW_GATEWAY_PEER_SET_1BYTE_FRAME;

/*****
/* Gateway Peer Set 2byte command class structs */
*****/
typedef struct _ZW_GATEWAY_PEER_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    peerProfile;             /**/
    BYTE    ipv6Address1;            /* MSB */
    BYTE    ipv6Address2;
    BYTE    ipv6Address3;
    BYTE    ipv6Address4;
    BYTE    ipv6Address5;
    BYTE    ipv6Address6;
    BYTE    ipv6Address7;
    BYTE    ipv6Address8;
    BYTE    ipv6Address9;
    BYTE    ipv6Address10;

```

```

    BYTE    ipv6Address11;
    BYTE    ipv6Address12;
    BYTE    ipv6Address13;
    BYTE    ipv6Address14;
    BYTE    ipv6Address15;
    BYTE    ipv6Address16;          /* LSB */
    BYTE    port1;                  /* MSB */
    BYTE    port2;                  /* LSB */
    BYTE    properties1;            /* masked byte */
    BYTE    peerName1;              /* MSB */
    BYTE    peerName2;              /* LSB */
} ZW_GATEWAY_PEER_SET_2BYTE_FRAME;

/*****
/* Gateway Peer Set 3byte command class structs */
*****/
typedef struct _ZW_GATEWAY_PEER_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;               /* The command class */
    BYTE    cmd;                   /* The command */
    BYTE    peerProfile;            /**/
    BYTE    ipv6Address1;           /* MSB */
    BYTE    ipv6Address2;
    BYTE    ipv6Address3;
    BYTE    ipv6Address4;
    BYTE    ipv6Address5;
    BYTE    ipv6Address6;
    BYTE    ipv6Address7;
    BYTE    ipv6Address8;
    BYTE    ipv6Address9;
    BYTE    ipv6Address10;
    BYTE    ipv6Address11;
    BYTE    ipv6Address12;
    BYTE    ipv6Address13;
    BYTE    ipv6Address14;
    BYTE    ipv6Address15;
    BYTE    ipv6Address16;          /* LSB */
    BYTE    port1;                  /* MSB */
    BYTE    port2;                  /* LSB */
    BYTE    properties1;            /* masked byte */
    BYTE    peerName1;              /* MSB */
    BYTE    peerName2;
    BYTE    peerName3;              /* LSB */
} ZW_GATEWAY_PEER_SET_3BYTE_FRAME;

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

/*****
/* Gateway Peer Get command class structs */
*****/

```

```

typedef struct _ZW_GATEWAY_PEER_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    peerProfile;            /**/
} ZW_GATEWAY_PEER_GET_FRAME;

/*****/
/* Gateway Peer Report 1byte command class structs */
/*****/
typedef struct _ZW_GATEWAY_PEER_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    peerProfile;            /**/
    BYTE    peerCount;              /**/
    BYTE    ipv6Address1;           /* MSB */
    BYTE    ipv6Address2;
    BYTE    ipv6Address3;
    BYTE    ipv6Address4;
    BYTE    ipv6Address5;
    BYTE    ipv6Address6;
    BYTE    ipv6Address7;
    BYTE    ipv6Address8;
    BYTE    ipv6Address9;
    BYTE    ipv6Address10;
    BYTE    ipv6Address11;
    BYTE    ipv6Address12;
    BYTE    ipv6Address13;
    BYTE    ipv6Address14;
    BYTE    ipv6Address15;
    BYTE    ipv6Address16;          /* LSB */
    BYTE    port1;                  /* MSB */
    BYTE    port2;                  /* LSB */
    BYTE    properties1;            /* masked byte */
    BYTE    peerName1;
} ZW_GATEWAY_PEER_REPORT_1BYTE_FRAME;

/*****/
/* Gateway Peer Report 2byte command class structs */
/*****/
typedef struct _ZW_GATEWAY_PEER_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    peerProfile;            /**/
    BYTE    peerCount;              /**/
    BYTE    ipv6Address1;           /* MSB */
    BYTE    ipv6Address2;
    BYTE    ipv6Address3;
    BYTE    ipv6Address4;
    BYTE    ipv6Address5;
    BYTE    ipv6Address6;
    BYTE    ipv6Address7;
    BYTE    ipv6Address8;
    BYTE    ipv6Address9;
    BYTE    ipv6Address10;
    BYTE    ipv6Address11;
    BYTE    ipv6Address12;
    BYTE    ipv6Address13;
    BYTE    ipv6Address14;
    BYTE    ipv6Address15;
    BYTE    ipv6Address16;          /* LSB */
    BYTE    port1;                  /* MSB */
    BYTE    port2;                  /* LSB */
    BYTE    properties1;            /* masked byte */
    BYTE    peerName1;              /* MSB */
    BYTE    peerName2;              /* LSB */
} ZW_GATEWAY_PEER_REPORT_2BYTE_FRAME;

/*****/
/* Gateway Peer Report 3byte command class structs */
/*****/
typedef struct _ZW_GATEWAY_PEER_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    peerProfile;            /**/
    BYTE    peerCount;              /**/
    BYTE    ipv6Address1;           /* MSB */
    BYTE    ipv6Address2;

```



```

    BYTE    ipv6Address3;
    BYTE    ipv6Address4;
    BYTE    ipv6Address5;
    BYTE    ipv6Address6;
    BYTE    ipv6Address7;
    BYTE    ipv6Address8;
    BYTE    ipv6Address9;
    BYTE    ipv6Address10;
    BYTE    ipv6Address11;
    BYTE    ipv6Address12;
    BYTE    ipv6Address13;
    BYTE    ipv6Address14;
    BYTE    ipv6Address15;
    BYTE    ipv6Address16;          /* LSB */
    BYTE    port1;                 /* MSB */
    BYTE    port2;                 /* LSB */
    BYTE    properties1;           /* masked byte */
    BYTE    peerName1;             /* MSB */
    BYTE    peerName2;
    BYTE    peerName3;            /* LSB */
} ZW_GATEWAY_PEER_REPORT_3BYTE_FRAME;

/*****
/* Gateway Peer Report 4byte command class structs */
*****/
typedef struct _ZW_GATEWAY_PEER_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    peerProfile;          /**/
    BYTE    peerCount;            /**/
    BYTE    ipv6Address1;         /* MSB */
    BYTE    ipv6Address2;
    BYTE    ipv6Address3;
    BYTE    ipv6Address4;
    BYTE    ipv6Address5;
    BYTE    ipv6Address6;
    BYTE    ipv6Address7;
    BYTE    ipv6Address8;
    BYTE    ipv6Address9;
    BYTE    ipv6Address10;
    BYTE    ipv6Address11;
    BYTE    ipv6Address12;
    BYTE    ipv6Address13;
    BYTE    ipv6Address14;
    BYTE    ipv6Address15;
    BYTE    ipv6Address16;        /* LSB */
    BYTE    port1;               /* MSB */
    BYTE    port2;               /* LSB */
    BYTE    properties1;         /* masked byte */
    BYTE    peerName1;           /* MSB */
    BYTE    peerName2;
    BYTE    peerName3;
    BYTE    peerName4;          /* LSB */
} ZW_GATEWAY_PEER_REPORT_4BYTE_FRAME;

/*****
/* Gateway Lock Set command class structs */
*****/
typedef struct _ZW_GATEWAY_LOCK_SET_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    properties1;           /* masked byte */
} ZW_GATEWAY_LOCK_SET_FRAME;

/*****
/* Unsolicited Destination Set command class structs */
*****/
typedef struct _ZW_UNSOLICITED_DESTINATION_SET_FRAME_
{
    BYTE    cmdClass;              /* The command class */
    BYTE    cmd;                  /* The command */
    BYTE    unsolicitedIpv6Destination1; /* MSB */
    BYTE    unsolicitedIpv6Destination2;
    BYTE    unsolicitedIpv6Destination3;
    BYTE    unsolicitedIpv6Destination4;
    BYTE    unsolicitedIpv6Destination5;
    BYTE    unsolicitedIpv6Destination6;
    BYTE    unsolicitedIpv6Destination7;
    BYTE    unsolicitedIpv6Destination8;

```

```

    BYTE    unsolicitedIpv6Destination9;
    BYTE    unsolicitedIpv6Destination10;
    BYTE    unsolicitedIpv6Destination11;
    BYTE    unsolicitedIpv6Destination12;
    BYTE    unsolicitedIpv6Destination13;
    BYTE    unsolicitedIpv6Destination14;
    BYTE    unsolicitedIpv6Destination15;
    BYTE    unsolicitedIpv6Destination16; /* LSB */
    BYTE    unsolicitedDestinationPort1; /* MSB */
    BYTE    unsolicitedDestinationPort2; /* LSB */
} ZW_UNSOLICITED_DESTINATION_SET_FRAME;

/*****
/* Unsolicited Destination Get command class structs */
*****/
typedef struct _ZW_UNSOLICITED_DESTINATION_GET_FRAME_
{
    BYTE    cmdClass; /* The command class */
    BYTE    cmd; /* The command */
} ZW_UNSOLICITED_DESTINATION_GET_FRAME;

/*****
/* Unsolicited Destination Report command class structs */
*****/
typedef struct _ZW_UNSOLICITED_DESTINATION_REPORT_FRAME_
{
    BYTE    cmdClass; /* The command class */
    BYTE    cmd; /* The command */
    BYTE    unsolicitedIpv6Destination1; /* MSB */
    BYTE    unsolicitedIpv6Destination2;
    BYTE    unsolicitedIpv6Destination3;
    BYTE    unsolicitedIpv6Destination4;
    BYTE    unsolicitedIpv6Destination5;
    BYTE    unsolicitedIpv6Destination6;
    BYTE    unsolicitedIpv6Destination7;
    BYTE    unsolicitedIpv6Destination8;
    BYTE    unsolicitedIpv6Destination9;
    BYTE    unsolicitedIpv6Destination10;
    BYTE    unsolicitedIpv6Destination11;
    BYTE    unsolicitedIpv6Destination12;
    BYTE    unsolicitedIpv6Destination13;
    BYTE    unsolicitedIpv6Destination14;
    BYTE    unsolicitedIpv6Destination15;
    BYTE    unsolicitedIpv6Destination16; /* LSB */
    BYTE    unsolicitedDestinationPort1; /* MSB */
    BYTE    unsolicitedDestinationPort2; /* LSB */
} ZW_UNSOLICITED_DESTINATION_REPORT_FRAME;

/*****
/* Command Application Node Info Set 1byte command class structs */
*****/
typedef struct _ZW_COMMAND_APPLICATION_NODE_INFO_SET_1BYTE_FRAME_
{
    BYTE    cmdClass; /* The command class */
    BYTE    cmd; /* The command */
    BYTE    nonSecureCommandClass1;
    BYTE    securityScheme0Mark1; /* MSB */
    BYTE    securityScheme0Mark2; /* LSB */
    BYTE    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_
{
    BYTE    cmdClass; /* The command class */
    BYTE    cmd; /* The command */
    BYTE    nonSecureCommandClass1; /* MSB */
    BYTE    nonSecureCommandClass2; /* LSB */
    BYTE    securityScheme0Mark1; /* MSB */
    BYTE    securityScheme0Mark2; /* LSB */
    BYTE    securityScheme0CommandClass1; /* MSB */
    BYTE    securityScheme0CommandClass2; /* LSB */
} 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_
{

```

```

    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    nonSecureCommandClass1; /* MSB */
    BYTE    nonSecureCommandClass2;
    BYTE    nonSecureCommandClass3; /* LSB */
    BYTE    securityScheme0Mark1;   /* MSB */
    BYTE    securityScheme0Mark2;   /* LSB */
    BYTE    securityScheme0CommandClass1; /* MSB */
    BYTE    securityScheme0CommandClass2;
    BYTE    securityScheme0CommandClass3; /* LSB */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    nonSecureCommandClass1; /* MSB */
    BYTE    nonSecureCommandClass2;
    BYTE    nonSecureCommandClass3;
    BYTE    nonSecureCommandClass4; /* LSB */
    BYTE    securityScheme0Mark1;   /* MSB */
    BYTE    securityScheme0Mark2;   /* LSB */
    BYTE    securityScheme0CommandClass1; /* MSB */
    BYTE    securityScheme0CommandClass2;
    BYTE    securityScheme0CommandClass3;
    BYTE    securityScheme0CommandClass4; /* LSB */
} ZW_COMMAND_APPLICATION_NODE_INFO_SET_4BYTE_FRAME;

/*****/
/* Command Application Node Info Get command class structs */
/*****/
typedef struct _ZW_COMMAND_APPLICATION_NODE_INFO_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_COMMAND_APPLICATION_NODE_INFO_GET_FRAME;

/*****/
/* Command Application Node Info Report 1byte command class structs */
/*****/
typedef struct _ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    nonSecureCommandClass1;
    BYTE    securityScheme0Mark1;   /* MSB */
    BYTE    securityScheme0Mark2;   /* LSB */
    BYTE    securityScheme0CommandClass1;
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    nonSecureCommandClass1; /* MSB */
    BYTE    nonSecureCommandClass2; /* LSB */
    BYTE    securityScheme0Mark1;   /* MSB */
    BYTE    securityScheme0Mark2;   /* LSB */
    BYTE    securityScheme0CommandClass1; /* MSB */
    BYTE    securityScheme0CommandClass2; /* LSB */
} ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_2BYTE_FRAME;

/*****/
/* Command Application Node Info Report 3byte command class structs */
/*****/
typedef struct _ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    nonSecureCommandClass1; /* MSB */
    BYTE    nonSecureCommandClass2;
    BYTE    nonSecureCommandClass3; /* LSB */
    BYTE    securityScheme0Mark1;   /* MSB */
    BYTE    securityScheme0Mark2;   /* LSB */
    BYTE    securityScheme0CommandClass1; /* MSB */

```

```
    BYTE        securityScheme0CommandClass2;
    BYTE        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 */
    BYTE        cmd;                    /* The command */
    BYTE        nonSecureCommandClass1; /* MSB */
    BYTE        nonSecureCommandClass2;
    BYTE        nonSecureCommandClass3;
    BYTE        nonSecureCommandClass4; /* LSB */
    BYTE        securityScheme0Mark1;   /* MSB */
    BYTE        securityScheme0Mark2;   /* LSB */
    BYTE        securityScheme0CommandClass1; /* MSB */
    BYTE        securityScheme0CommandClass2;
    BYTE        securityScheme0CommandClass3;
    BYTE        securityScheme0CommandClass4; /* LSB */
} ZW_COMMAND_APPLICATION_NODE_INFO_REPORT_4BYTE_FRAME;

/*****
/* Gateway Configuration Set command class structs */
*****/
typedef struct _ZW_GATEWAY_CONFIGURATION_SET_FRAME_
{
    BYTE        cmdClass;                /* The command class */
    BYTE        cmd;                    /* The command */
    BYTE        lanIpv6Address1;         /* MSB */
    BYTE        lanIpv6Address2;
    BYTE        lanIpv6Address3;
    BYTE        lanIpv6Address4;
    BYTE        lanIpv6Address5;
    BYTE        lanIpv6Address6;
    BYTE        lanIpv6Address7;
    BYTE        lanIpv6Address8;
    BYTE        lanIpv6Address9;
    BYTE        lanIpv6Address10;
    BYTE        lanIpv6Address11;
    BYTE        lanIpv6Address12;
    BYTE        lanIpv6Address13;
    BYTE        lanIpv6Address14;
    BYTE        lanIpv6Address15;
    BYTE        lanIpv6Address16;        /* LSB */
    BYTE        lanIpv6PrefixLength;    /**/
    BYTE        portalIpv6Prefix1;      /* MSB */
    BYTE        portalIpv6Prefix2;
    BYTE        portalIpv6Prefix3;
    BYTE        portalIpv6Prefix4;
    BYTE        portalIpv6Prefix5;
    BYTE        portalIpv6Prefix6;
    BYTE        portalIpv6Prefix7;
    BYTE        portalIpv6Prefix8;
    BYTE        portalIpv6Prefix9;
    BYTE        portalIpv6Prefix10;
    BYTE        portalIpv6Prefix11;
    BYTE        portalIpv6Prefix12;
    BYTE        portalIpv6Prefix13;
    BYTE        portalIpv6Prefix14;
    BYTE        portalIpv6Prefix15;
    BYTE        portalIpv6Prefix16;     /* LSB */
    BYTE        portalIpv6PrefixLength; /**/
    BYTE        defaultGatewayIpv6Address1; /* MSB */
    BYTE        defaultGatewayIpv6Address2;
    BYTE        defaultGatewayIpv6Address3;
    BYTE        defaultGatewayIpv6Address4;
    BYTE        defaultGatewayIpv6Address5;
    BYTE        defaultGatewayIpv6Address6;
    BYTE        defaultGatewayIpv6Address7;
    BYTE        defaultGatewayIpv6Address8;
    BYTE        defaultGatewayIpv6Address9;
    BYTE        defaultGatewayIpv6Address10;
    BYTE        defaultGatewayIpv6Address11;
    BYTE        defaultGatewayIpv6Address12;
    BYTE        defaultGatewayIpv6Address13;
    BYTE        defaultGatewayIpv6Address14;
    BYTE        defaultGatewayIpv6Address15;
    BYTE        defaultGatewayIpv6Address16; /* LSB */
    BYTE        panIpv6Prefix1;         /* MSB */
}
```

```

    BYTE    panIpv6Prefix2;
    BYTE    panIpv6Prefix3;
    BYTE    panIpv6Prefix4;
    BYTE    panIpv6Prefix5;
    BYTE    panIpv6Prefix6;
    BYTE    panIpv6Prefix7;
    BYTE    panIpv6Prefix8;
    BYTE    panIpv6Prefix9;
    BYTE    panIpv6Prefix10;
    BYTE    panIpv6Prefix11;
    BYTE    panIpv6Prefix12;
    BYTE    panIpv6Prefix13;
    BYTE    panIpv6Prefix14;
    BYTE    panIpv6Prefix15;
    BYTE    panIpv6Prefix16;          /* LSB */
} ZW_GATEWAY_CONFIGURATION_SET_FRAME;

/*****
/* Gateway Configuration Status command class structs */
*****/
typedef struct _ZW_GATEWAY_CONFIGURATION_STATUS_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    status;                  /**/
} ZW_GATEWAY_CONFIGURATION_STATUS_FRAME;

/*****
/* Gateway Configuration Get command class structs */
*****/
typedef struct _ZW_GATEWAY_CONFIGURATION_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_GATEWAY_CONFIGURATION_GET_FRAME;

/*****
/* Gateway Configuration Report command class structs */
*****/
typedef struct _ZW_GATEWAY_CONFIGURATION_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    lanIpv6Address1;          /* MSB */
    BYTE    lanIpv6Address2;
    BYTE    lanIpv6Address3;
    BYTE    lanIpv6Address4;
    BYTE    lanIpv6Address5;
    BYTE    lanIpv6Address6;
    BYTE    lanIpv6Address7;
    BYTE    lanIpv6Address8;
    BYTE    lanIpv6Address9;
    BYTE    lanIpv6Address10;
    BYTE    lanIpv6Address11;
    BYTE    lanIpv6Address12;
    BYTE    lanIpv6Address13;
    BYTE    lanIpv6Address14;
    BYTE    lanIpv6Address15;
    BYTE    lanIpv6Address16;          /* LSB */
    BYTE    lanIpv6PrefixLength;      /**/
    BYTE    portalIpv6Prefix1;        /* MSB */
    BYTE    portalIpv6Prefix2;
    BYTE    portalIpv6Prefix3;
    BYTE    portalIpv6Prefix4;
    BYTE    portalIpv6Prefix5;
    BYTE    portalIpv6Prefix6;
    BYTE    portalIpv6Prefix7;
    BYTE    portalIpv6Prefix8;
    BYTE    portalIpv6Prefix9;
    BYTE    portalIpv6Prefix10;
    BYTE    portalIpv6Prefix11;
    BYTE    portalIpv6Prefix12;
    BYTE    portalIpv6Prefix13;
    BYTE    portalIpv6Prefix14;
    BYTE    portalIpv6Prefix15;
    BYTE    portalIpv6Prefix16;          /* LSB */
    BYTE    portalIpv6PrefixLength;    /**/
    BYTE    defaultGatewayIpv6Address1; /* MSB */
    BYTE    defaultGatewayIpv6Address2;
    BYTE    defaultGatewayIpv6Address3;
    BYTE    defaultGatewayIpv6Address4;

```

```

    BYTE    defaultGatewayIpv6Address5;
    BYTE    defaultGatewayIpv6Address6;
    BYTE    defaultGatewayIpv6Address7;
    BYTE    defaultGatewayIpv6Address8;
    BYTE    defaultGatewayIpv6Address9;
    BYTE    defaultGatewayIpv6Address10;
    BYTE    defaultGatewayIpv6Address11;
    BYTE    defaultGatewayIpv6Address12;
    BYTE    defaultGatewayIpv6Address13;
    BYTE    defaultGatewayIpv6Address14;
    BYTE    defaultGatewayIpv6Address15;
    BYTE    defaultGatewayIpv6Address16; /* LSB */
    BYTE    panIpv6Prefix1;             /* MSB */
    BYTE    panIpv6Prefix2;
    BYTE    panIpv6Prefix3;
    BYTE    panIpv6Prefix4;
    BYTE    panIpv6Prefix5;
    BYTE    panIpv6Prefix6;
    BYTE    panIpv6Prefix7;
    BYTE    panIpv6Prefix8;
    BYTE    panIpv6Prefix9;
    BYTE    panIpv6Prefix10;
    BYTE    panIpv6Prefix11;
    BYTE    panIpv6Prefix12;
    BYTE    panIpv6Prefix13;
    BYTE    panIpv6Prefix14;
    BYTE    panIpv6Prefix15;
    BYTE    panIpv6Prefix16;           /* LSB */
} ZW_GATEWAY_CONFIGURATION_REPORT_FRAME;

/*****
/* Dmx Address Set command class structs */
*****/
typedef struct _ZW_DMx_ADDRESS_SET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    channelId;                /**/
} ZW_DMx_ADDRESS_SET_FRAME;

/*****
/* Dmx Address Get command class structs */
*****/
typedef struct _ZW_DMx_ADDRESS_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
} ZW_DMx_ADDRESS_GET_FRAME;

/*****
/* Dmx Address Report command class structs */
*****/
typedef struct _ZW_DMx_ADDRESS_REPORT_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    channelId;                /**/
} ZW_DMx_ADDRESS_REPORT_FRAME;

/*****
/* Dmx Capability Get command class structs */
*****/
typedef struct _ZW_DMx_CAPABILITY_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    channelId;                /**/
} ZW_DMx_CAPABILITY_GET_FRAME;

/*****
/* Dmx Capability Report command class structs */
*****/
typedef struct _ZW_DMx_CAPABILITY_REPORT_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    channelId;                /**/
    BYTE    propertyId1;               /* MSB */
    BYTE    propertyId2;               /* LSB */
}

```

```
    BYTE    deviceChannels;          /**/
    BYTE    maxChannels;             /**/
} ZW_DMUX_CAPABILITY_REPORT_FRAME;

/*****/
/* Dmx Data 1byte command class structs */
/*****/
typedef struct _ZW_DMUX_DATA_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    source;                  /**/
    BYTE    properties1;              /* masked byte */
    BYTE    dmxChannel1;              /* masked byte */
} ZW_DMUX_DATA_1BYTE_FRAME;

/*****/
/* Dmx Data 2byte command class structs */
/*****/
typedef struct _ZW_DMUX_DATA_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    source;                  /**/
    BYTE    properties1;              /* masked byte */
    BYTE    dmxChannel1;              /* MSB */
    BYTE    dmxChannel2;              /* LSB */
} ZW_DMUX_DATA_2BYTE_FRAME;

/*****/
/* Dmx Data 3byte command class structs */
/*****/
typedef struct _ZW_DMUX_DATA_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    source;                  /**/
    BYTE    properties1;              /* masked byte */
    BYTE    dmxChannel1;              /* MSB */
    BYTE    dmxChannel2;              /* MSB */
    BYTE    dmxChannel3;              /* LSB */
} ZW_DMUX_DATA_3BYTE_FRAME;

/*****/
/* Dmx Data 4byte command class structs */
/*****/
typedef struct _ZW_DMUX_DATA_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    source;                  /**/
    BYTE    properties1;              /* masked byte */
    BYTE    dmxChannel1;              /* MSB */
    BYTE    dmxChannel2;              /* MSB */
    BYTE    dmxChannel3;              /* MSB */
    BYTE    dmxChannel4;              /* LSB */
} ZW_DMUX_DATA_4BYTE_FRAME;

/*****/
/* Barrier Operator Set command class structs */
/*****/
typedef struct _ZW_BARRIER_OPERATOR_SET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    targetValue;              /**/
} ZW_BARRIER_OPERATOR_SET_FRAME;

/*****/
/* Barrier Operator Get command class structs */
/*****/
typedef struct _ZW_BARRIER_OPERATOR_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
} ZW_BARRIER_OPERATOR_GET_FRAME;

/*****/
/* Barrier Operator Report command class structs */
/*****/
typedef struct _ZW_BARRIER_OPERATOR_REPORT_FRAME_
```

```

{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    state;              /**/
} ZW_BARRIER_OPERATOR_REPORT_FRAME;

/*****/
/* Barrier Operator Signal Supported Get command class structs */
/*****/
typedef struct _ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;           /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;           /* LSB */
} ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT_3BYTE_FRAME;

/*****/
/* Barrier Operator Signal Supported Report 4byte command class structs */
/*****/
typedef struct _ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    bitMask1;           /* MSB */
    BYTE    bitMask2;
    BYTE    bitMask3;
    BYTE    bitMask4;           /* LSB */
} ZW_BARRIER_OPERATOR_SIGNAL_SUPPORTED_REPORT_4BYTE_FRAME;

/*****/
/* Barrier Operator Signal Set command class structs */
/*****/
typedef struct _ZW_BARRIER_OPERATOR_SIGNAL_SET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    subsystemType;      /**/
    BYTE    subsystemState;     /**/
} ZW_BARRIER_OPERATOR_SIGNAL_SET_FRAME;

/*****/
/* Barrier Operator Signal Get command class structs */
/*****/
typedef struct _ZW_BARRIER_OPERATOR_SIGNAL_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    subsystemType;      /**/
} ZW_BARRIER_OPERATOR_SIGNAL_GET_FRAME;

```



```

/*****
/* Barrier Operator Signal Report command class structs */
/*****/
typedef struct _ZW_BARRIER_OPERATOR_SIGNAL_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    subsystemType;      /**/
    BYTE    subsystemState;     /**/
} ZW_BARRIER_OPERATOR_SIGNAL_REPORT_FRAME;

/*****
/* Last Working Route Set command class structs */
/*****/
typedef struct _ZW_LAST_WORKING_ROUTE_SET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    nodeid;             /**/
    BYTE    repeater1;          /**/
    BYTE    repeater2;          /**/
    BYTE    repeater3;          /**/
    BYTE    repeater4;          /**/
    BYTE    speed;              /**/
} ZW_LAST_WORKING_ROUTE_SET_FRAME;

/*****
/* Last Working Route Get command class structs */
/*****/
typedef struct _ZW_LAST_WORKING_ROUTE_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    nodeid;             /**/
} ZW_LAST_WORKING_ROUTE_GET_FRAME;

/*****
/* Last Working Route Report command class structs */
/*****/
typedef struct _ZW_LAST_WORKING_ROUTE_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    nodeid;             /**/
    BYTE    repeater1;          /**/
    BYTE    repeater2;          /**/
    BYTE    repeater3;          /**/
    BYTE    repeater4;          /**/
    BYTE    speed;              /**/
} ZW_LAST_WORKING_ROUTE_REPORT_FRAME;

/*****
/* Statistics Get command class structs */
/*****/
typedef struct _ZW_STATISTICS_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    nodeid;             /**/
} ZW_STATISTICS_GET_FRAME;

/*****
/* Statistics Report variant group structs */
/*****/
typedef struct _VG_STATISTICS_REPORT_1BYTE_VG_
{
    BYTE    type;               /**/
    BYTE    length;             /**/
    BYTE    value1;              /**/
} VG_STATISTICS_REPORT_1BYTE_VG;

/*****
/* Statistics Report variant group structs */
/*****/
typedef struct _VG_STATISTICS_REPORT_2BYTE_VG_
{
    BYTE    type;               /**/
    BYTE    length;             /**/
    BYTE    value1;              /* MSB */
    BYTE    value2;              /* LSB */
}

```

```
} VG_STATISTICS_REPORT_2BYTE_VG;

/*****
/* Statistics Report variant group structs */
*****/
typedef struct _VG_STATISTICS_REPORT_3BYTE_VG_
{
    BYTE    type;                /**/
    BYTE    length;              /**/
    BYTE    value1;              /* MSB */
    BYTE    value2;
    BYTE    value3;              /* LSB */
} VG_STATISTICS_REPORT_3BYTE_VG;

/*****
/* Statistics Report variant group structs */
*****/
typedef struct _VG_STATISTICS_REPORT_4BYTE_VG_
{
    BYTE    type;                /**/
    BYTE    length;              /**/
    BYTE    value1;              /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;              /* LSB */
} VG_STATISTICS_REPORT_4BYTE_VG;

/*****
/* Statistics Report 1byte command class structs */
*****/
typedef struct _ZW_STATISTICS_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    nodeid;              /**/
    VG_STATISTICS_REPORT_4BYTE_VG variantgroup1;          /**/
} ZW_STATISTICS_REPORT_1BYTE_FRAME;

/*****
/* Statistics Report 2byte command class structs */
*****/
typedef struct _ZW_STATISTICS_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    nodeid;              /**/
    VG_STATISTICS_REPORT_4BYTE_VG variantgroup1;          /**/
    VG_STATISTICS_REPORT_4BYTE_VG variantgroup2;          /**/
} ZW_STATISTICS_REPORT_2BYTE_FRAME;

/*****
/* Statistics Report 3byte command class structs */
*****/
typedef struct _ZW_STATISTICS_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;            /* The command class */
    BYTE    cmd;                 /* The command */
    BYTE    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 */
    BYTE    cmd;                 /* The command */
    BYTE    nodeid;              /**/
    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_
```

```
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} 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 */
    BYTE    cmd;                    /* The command */
    BYTE    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    name1;                  /* MSB */
    BYTE    name2;                  /* LSB */
} ZW_ZIP_NAMING_NAME_SET_2BYTE_FRAME;

/*****/
/* Zip Naming Name Set 3byte command class structs */
/*****/
typedef struct _ZW_ZIP_NAMING_NAME_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    name1;                  /* MSB */
    BYTE    name2;
    BYTE    name3;                  /* LSB */
} ZW_ZIP_NAMING_NAME_SET_3BYTE_FRAME;

/*****/
/* Zip Naming Name Set 4byte command class structs */
/*****/
typedef struct _ZW_ZIP_NAMING_NAME_SET_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    name1;                  /* MSB */
    BYTE    name2;
    BYTE    name3;
    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_ZIP_NAMING_NAME_GET_FRAME;

/*****/
/* Zip Naming Name Report 1byte command class structs */
/*****/
typedef struct _ZW_ZIP_NAMING_NAME_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    name1;
} ZW_ZIP_NAMING_NAME_REPORT_1BYTE_FRAME;

/*****/
/* Zip Naming Name Report 2byte command class structs */
/*****/
typedef struct _ZW_ZIP_NAMING_NAME_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    name1;                  /* MSB */
    BYTE    name2;                  /* LSB */
} ZW_ZIP_NAMING_NAME_REPORT_2BYTE_FRAME;
```

```

/*****
/* Zip Naming Name Report 3byte command class structs */
/*****/
typedef struct _ZW_ZIP_NAMING_NAME_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    name1;              /* MSB */
    BYTE    name2;
    BYTE    name3;              /* LSB */
} ZW_ZIP_NAMING_NAME_REPORT_3BYTE_FRAME;

/*****
/* Zip Naming Name Report 4byte command class structs */
/*****/
typedef struct _ZW_ZIP_NAMING_NAME_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    name1;              /* MSB */
    BYTE    name2;
    BYTE    name3;
    BYTE    name4;              /* LSB */
} ZW_ZIP_NAMING_NAME_REPORT_4BYTE_FRAME;

/*****
/* Zip Naming Location Set 1byte command class structs */
/*****/
typedef struct _ZW_ZIP_NAMING_LOCATION_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    location1;
} ZW_ZIP_NAMING_LOCATION_SET_1BYTE_FRAME;

/*****
/* Zip Naming Location Set 2byte command class structs */
/*****/
typedef struct _ZW_ZIP_NAMING_LOCATION_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    location1;          /* MSB */
    BYTE    location2;          /* LSB */
} ZW_ZIP_NAMING_LOCATION_SET_2BYTE_FRAME;

/*****
/* Zip Naming Location Set 3byte command class structs */
/*****/
typedef struct _ZW_ZIP_NAMING_LOCATION_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    location1;          /* MSB */
    BYTE    location2;
    BYTE    location3;          /* LSB */
} 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 */
    BYTE    cmd;                /* The command */
    BYTE    location1;          /* MSB */
    BYTE    location2;
    BYTE    location3;
    BYTE    location4;          /* LSB */
} ZW_ZIP_NAMING_LOCATION_SET_4BYTE_FRAME;

/*****
/* Zip Naming Location Get command class structs */
/*****/
typedef struct _ZW_ZIP_NAMING_LOCATION_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_ZIP_NAMING_LOCATION_GET_FRAME;

/*****/

```

```
/* Zip Naming Location Report 1byte command class structs */
/*****
typedef struct _ZW_ZIP_NAMING_LOCATION_REPORT_1BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      location1;
} ZW_ZIP_NAMING_LOCATION_REPORT_1BYTE_FRAME;

/* Zip Naming Location Report 2byte command class structs */
/*****
typedef struct _ZW_ZIP_NAMING_LOCATION_REPORT_2BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      location1;         /* MSB */
    BYTE      location2;         /* LSB */
} ZW_ZIP_NAMING_LOCATION_REPORT_2BYTE_FRAME;

/* Zip Naming Location Report 3byte command class structs */
/*****
typedef struct _ZW_ZIP_NAMING_LOCATION_REPORT_3BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      location1;         /* MSB */
    BYTE      location2;
    BYTE      location3;         /* LSB */
} ZW_ZIP_NAMING_LOCATION_REPORT_3BYTE_FRAME;

/* Zip Naming Location Report 4byte command class structs */
/*****
typedef struct _ZW_ZIP_NAMING_LOCATION_REPORT_4BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      location1;         /* MSB */
    BYTE      location2;
    BYTE      location3;
    BYTE      location4;         /* LSB */
} ZW_ZIP_NAMING_LOCATION_REPORT_4BYTE_FRAME;

/* Mailbox Configuration Get command class structs */
/*****
typedef struct _ZW_MAILBOX_CONFIGURATION_GET_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_MAILBOX_CONFIGURATION_GET_FRAME;

/* Mailbox Configuration Set command class structs */
/*****
typedef struct _ZW_MAILBOX_CONFIGURATION_SET_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    BYTE      forwardingDestinationIpv6Address1; /* MSB */
    BYTE      forwardingDestinationIpv6Address2;
    BYTE      forwardingDestinationIpv6Address3;
    BYTE      forwardingDestinationIpv6Address4;
    BYTE      forwardingDestinationIpv6Address5;
    BYTE      forwardingDestinationIpv6Address6;
    BYTE      forwardingDestinationIpv6Address7;
    BYTE      forwardingDestinationIpv6Address8;
    BYTE      forwardingDestinationIpv6Address9;
    BYTE      forwardingDestinationIpv6Address10;
    BYTE      forwardingDestinationIpv6Address11;
    BYTE      forwardingDestinationIpv6Address12;
    BYTE      forwardingDestinationIpv6Address13;
    BYTE      forwardingDestinationIpv6Address14;
    BYTE      forwardingDestinationIpv6Address15;
    BYTE      forwardingDestinationIpv6Address16; /* LSB */
    BYTE      udpPortNumber1;      /* MSB */
    BYTE      udpPortNumber2;      /* LSB */
} ZW_MAILBOX_CONFIGURATION_SET_FRAME;
```

```

/*****
/* Mailbox Configuration Report command class structs */
/*****
typedef struct _ZW_MAILBOX_CONFIGURATION_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    mailboxCapacity1;       /* MSB */
    BYTE    mailboxCapacity2;       /* LSB */
    BYTE    forwardingDestinationIpv6Address1; /* MSB */
    BYTE    forwardingDestinationIpv6Address2;
    BYTE    forwardingDestinationIpv6Address3;
    BYTE    forwardingDestinationIpv6Address4;
    BYTE    forwardingDestinationIpv6Address5;
    BYTE    forwardingDestinationIpv6Address6;
    BYTE    forwardingDestinationIpv6Address7;
    BYTE    forwardingDestinationIpv6Address8;
    BYTE    forwardingDestinationIpv6Address9;
    BYTE    forwardingDestinationIpv6Address10;
    BYTE    forwardingDestinationIpv6Address11;
    BYTE    forwardingDestinationIpv6Address12;
    BYTE    forwardingDestinationIpv6Address13;
    BYTE    forwardingDestinationIpv6Address14;
    BYTE    forwardingDestinationIpv6Address15;
    BYTE    forwardingDestinationIpv6Address16; /* LSB */
    BYTE    udpPortNumber1;          /* MSB */
    BYTE    udpPortNumber2;          /* LSB */
} ZW_MAILBOX_CONFIGURATION_REPORT_FRAME;

/*****
/* Mailbox Queue 1byte command class structs */
/*****
typedef struct _ZW_MAILBOX_QUEUE_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    sequenceNumber;          /**/
    BYTE    properties1;            /* masked byte */
    BYTE    queueHandle;            /**/
    BYTE    mailboxEntry1;
} ZW_MAILBOX_QUEUE_1BYTE_FRAME;

/*****
/* Mailbox Queue 2byte command class structs */
/*****
typedef struct _ZW_MAILBOX_QUEUE_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    sequenceNumber;          /**/
    BYTE    properties1;            /* masked byte */
    BYTE    queueHandle;            /**/
    BYTE    mailboxEntry1;          /* MSB */
    BYTE    mailboxEntry2;          /* LSB */
} ZW_MAILBOX_QUEUE_2BYTE_FRAME;

/*****
/* Mailbox Queue 3byte command class structs */
/*****
typedef struct _ZW_MAILBOX_QUEUE_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    sequenceNumber;          /**/
    BYTE    properties1;            /* masked byte */
    BYTE    queueHandle;            /**/
    BYTE    mailboxEntry1;          /* MSB */
    BYTE    mailboxEntry2;
    BYTE    mailboxEntry3;          /* LSB */
} ZW_MAILBOX_QUEUE_3BYTE_FRAME;

/*****
/* Mailbox Queue 4byte command class structs */
/*****
typedef struct _ZW_MAILBOX_QUEUE_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    sequenceNumber;          /**/

```

```

    BYTE    properties1;                /* masked byte */
    BYTE    queueHandle;               /**/
    BYTE    mailboxEntry1;             /* MSB */
    BYTE    mailboxEntry2;
    BYTE    mailboxEntry3;
    BYTE    mailboxEntry4;             /* LSB */
} ZW_MAILBOX_QUEUE_4BYTE_FRAME;

/*****/
/* Mailbox Wakeup Notification command class structs */
/*****/
typedef struct _ZW_MAILBOX_WAKEUP_NOTIFICATION_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    queueHandle;               /**/
} ZW_MAILBOX_WAKEUP_NOTIFICATION_FRAME;

/*****/
/* Mailbox Node Failing command class structs */
/*****/
typedef struct _ZW_MAILBOX_NODE_FAILING_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    queueHandle;               /**/
} ZW_MAILBOX_NODE_FAILING_FRAME;

/*****/
/* Window Covering Supported Get command class structs */
/*****/
typedef struct _ZW_WINDOW_COVERING_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
} 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;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    properties1;               /* masked byte */
    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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    parameterMask1;           /* MSB */
    BYTE    parameterMask2;           /* LSB */
} 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 */
    BYTE    cmd;                      /* The command */
    BYTE    properties1;               /* masked byte */
    BYTE    parameterMask1;           /* MSB */
    BYTE    parameterMask2;
    BYTE    parameterMask3;           /* LSB */
} ZW_WINDOW_COVERING_SUPPORTED_REPORT_3BYTE_FRAME;

/*****/
/* Window Covering Supported Report 4byte command class structs */
/*****/
typedef struct _ZW_WINDOW_COVERING_SUPPORTED_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    properties1;               /* masked byte */

```

```

    BYTE    parameterMask1;          /* MSB */
    BYTE    parameterMask2;
    BYTE    parameterMask3;
    BYTE    parameterMask4;          /* LSB */
} ZW_WINDOW_COVERING_SUPPORTED_REPORT_4BYTE_FRAME;

/*****
/* Window Covering Get command class structs */
*****/
typedef struct _ZW_WINDOW_COVERING_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    parameterId;             /**/
} ZW_WINDOW_COVERING_GET_FRAME;

/*****
/* Window Covering Report command class structs */
*****/
typedef struct _ZW_WINDOW_COVERING_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    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_
{
    BYTE    parameterId;             /**/
    BYTE    value;                   /**/
} VG_WINDOW_COVERING_SET_VG;

/*****
/* Window Covering Set 1byte command class structs */
*****/
typedef struct _ZW_WINDOW_COVERING_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;             /* masked 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;             /* masked byte */
    VG_WINDOW_COVERING_SET_VG variantgroup1; /**/
    VG_WINDOW_COVERING_SET_VG variantgroup2; /**/
    BYTE    duration;                /**/
} ZW_WINDOW_COVERING_SET_2BYTE_FRAME;

/*****
/* Window Covering Set 3byte command class structs */
*****/
typedef struct _ZW_WINDOW_COVERING_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                     /* The command */
    BYTE    properties1;             /* masked byte */
    VG_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 */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    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 */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    parameterId;            /**/
    BYTE    duration;              /**/
} ZW_WINDOW_COVERING_START_LEVEL_CHANGE_FRAME;

/*****/
/* Window Covering Stop Level Change command class structs */
/*****/
typedef struct _ZW_WINDOW_COVERING_STOP_LEVEL_CHANGE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    parameterId;            /**/
} ZW_WINDOW_COVERING_STOP_LEVEL_CHANGE_FRAME;

/*****/
/* Security 2 Nonce Get command class structs */
/*****/
typedef struct _ZW_SECURITY_2_NONCE_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    sequenceNumber;         /**/
} ZW_SECURITY_2_NONCE_GET_FRAME;

/*****/
/* Security 2 Nonce Report command class structs */
/*****/
typedef struct _ZW_SECURITY_2_NONCE_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    sequenceNumber;         /**/
    BYTE    properties1;            /* masked byte */
    BYTE    receiversEntropyInput1; /* MSB */
    BYTE    receiversEntropyInput2;
    BYTE    receiversEntropyInput3;
    BYTE    receiversEntropyInput4;
    BYTE    receiversEntropyInput5;
    BYTE    receiversEntropyInput6;
    BYTE    receiversEntropyInput7;
    BYTE    receiversEntropyInput8;
    BYTE    receiversEntropyInput9;
    BYTE    receiversEntropyInput10;
    BYTE    receiversEntropyInput11;
    BYTE    receiversEntropyInput12;
    BYTE    receiversEntropyInput13;
    BYTE    receiversEntropyInput14;
    BYTE    receiversEntropyInput15;
    BYTE    receiversEntropyInput16; /* LSB */
} ZW_SECURITY_2_NONCE_REPORT_FRAME;

/*****/
/* Security 2 Message Encapsulation variant group structs */
/*****/
typedef struct _VG_SECURITY_2_MESSAGE_ENCAPSULATION_1BYTE_VG_
{
    BYTE    extensionLength;        /**/
    BYTE    properties1;            /* masked byte */
    BYTE    extension1;
} VG_SECURITY_2_MESSAGE_ENCAPSULATION_1BYTE_VG;

/*****/

```

```

/* Security 2 Message Encapsulation variant group structs */
/*****
typedef struct _VG_SECURITY_2_MESSAGE_ENCAPSULATION_2BYTE_VG_
{
    BYTE    extensionLength;           /**/
    BYTE    properties1;               /* masked byte */
    BYTE    extension1;               /* MSB */
    BYTE    extension2;               /* 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;           /**/
    BYTE    properties1;               /* masked byte */
    BYTE    extension1;               /* MSB */
    BYTE    extension2;
    BYTE    extension3;               /* LSB */
} VG_SECURITY_2_MESSAGE_ENCAPSULATION_3BYTE_VG;

/*****
/* Security 2 Message Encapsulation variant group structs */
/*****
typedef struct _VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG_
{
    BYTE    extensionLength;           /**/
    BYTE    properties1;               /* masked byte */
    BYTE    extension1;               /* MSB */
    BYTE    extension2;
    BYTE    extension3;
    BYTE    extension4;               /* LSB */
} VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG;

/*****
/* Security 2 Message Encapsulation 1byte command class structs */
/*****
typedef struct _ZW_SECURITY_2_MESSAGE_ENCAPSULATION_1BYTE_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    sequenceNumber;           /**/
    BYTE    properties1;               /* masked byte */
    VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG variantgroup1; /**/
    BYTE    ccmCiphertextObject1;     /**/
} ZW_SECURITY_2_MESSAGE_ENCAPSULATION_1BYTE_FRAME;

/*****
/* Security 2 Message Encapsulation 2byte command class structs */
/*****
typedef struct _ZW_SECURITY_2_MESSAGE_ENCAPSULATION_2BYTE_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    sequenceNumber;           /**/
    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 */
} ZW_SECURITY_2_MESSAGE_ENCAPSULATION_2BYTE_FRAME;

/*****
/* Security 2 Message Encapsulation 3byte command class structs */
/*****
typedef struct _ZW_SECURITY_2_MESSAGE_ENCAPSULATION_3BYTE_FRAME_
{
    BYTE    cmdClass;                 /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    sequenceNumber;           /**/
    BYTE    properties1;               /* masked byte */
    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 */
    BYTE    ccmCiphertextObject2;
    BYTE    ccmCiphertextObject3;     /* LSB */
} ZW_SECURITY_2_MESSAGE_ENCAPSULATION_3BYTE_FRAME;

/*****

```

```

/* Security 2 Message Encapsulation 4byte command class structs */
/*****
typedef struct _ZW_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      sequenceNumber;    /**/
    BYTE      properties1;       /* masked byte */
    VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG variantgroup1;    /**/
    VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG variantgroup2;    /**/
    VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG variantgroup3;    /**/
    VG_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_VG variantgroup4;    /**/
    BYTE      ccmCiphertextObject1; /* MSB */
    BYTE      ccmCiphertextObject2;
    BYTE      ccmCiphertextObject3;
    BYTE      ccmCiphertextObject4; /* LSB */
} ZW_SECURITY_2_MESSAGE_ENCAPSULATION_4BYTE_FRAME;

/*****
/* Kex Get command class structs */
/*****
typedef struct _ZW_KEX_GET_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
} ZW_KEX_GET_FRAME;

/*****
/* Kex Report command class structs */
/*****
typedef struct _ZW_KEX_REPORT_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    BYTE      supportedKexSchemes; /**/
    BYTE      supportedEcdhProfiles; /**/
    BYTE      requestedKeys;      /**/
} ZW_KEX_REPORT_FRAME;

/*****
/* Kex Set command class structs */
/*****
typedef struct _ZW_KEX_SET_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    BYTE      selectedKexScheme;  /**/
    BYTE      selectedEcdhProfile; /**/
    BYTE      grantedKeys;        /**/
} ZW_KEX_SET_FRAME;

/*****
/* Kex Fail command class structs */
/*****
typedef struct _ZW_KEX_FAIL_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      kexFailType;       /**/
} ZW_KEX_FAIL_FRAME;

/*****
/* Public Key Report 1byte command class structs */
/*****
typedef struct _ZW_PUBLIC_KEY_REPORT_1BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    BYTE      ecdhPublicKey1;
} ZW_PUBLIC_KEY_REPORT_1BYTE_FRAME;

/*****
/* Public Key Report 2byte command class structs */
/*****
typedef struct _ZW_PUBLIC_KEY_REPORT_2BYTE_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */

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```

    BYTE    properties1;                /* masked byte */
    BYTE    ecdhPublicKey1;            /* MSB */
    BYTE    ecdhPublicKey2;            /* 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 */
    BYTE    cmd;                      /* The command */
    BYTE    properties1;                /* masked byte */
    BYTE    ecdhPublicKey1;            /* MSB */
    BYTE    ecdhPublicKey2;
    BYTE    ecdhPublicKey3;            /* LSB */
} ZW_PUBLIC_KEY_REPORT_3BYTE_FRAME;

/*****
/* Public Key Report 4byte command class structs */
*****/
typedef struct _ZW_PUBLIC_KEY_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    properties1;                /* masked byte */
    BYTE    ecdhPublicKey1;            /* MSB */
    BYTE    ecdhPublicKey2;
    BYTE    ecdhPublicKey3;
    BYTE    ecdhPublicKey4;            /* LSB */
} ZW_PUBLIC_KEY_REPORT_4BYTE_FRAME;

/*****
/* Security 2 Network Key Get command class structs */
*****/
typedef struct _ZW_SECURITY_2_NETWORK_KEY_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    requestedKey;              /**/
} ZW_SECURITY_2_NETWORK_KEY_GET_FRAME;

/*****
/* Security 2 Network Key Report command class structs */
*****/
typedef struct _ZW_SECURITY_2_NETWORK_KEY_REPORT_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
    BYTE    grantedKey;                /**/
    BYTE    networkKey1;                /* MSB */
    BYTE    networkKey2;
    BYTE    networkKey3;
    BYTE    networkKey4;
    BYTE    networkKey5;
    BYTE    networkKey6;
    BYTE    networkKey7;
    BYTE    networkKey8;
    BYTE    networkKey9;
    BYTE    networkKey10;
    BYTE    networkKey11;
    BYTE    networkKey12;
    BYTE    networkKey13;
    BYTE    networkKey14;
    BYTE    networkKey15;
    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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                      /* The command */
} ZW_SECURITY_2_NETWORK_KEY_VERIFY_FRAME;

/*****
/* Security 2 Transfer End command class structs */
*****/
typedef struct _ZW_SECURITY_2_TRANSFER_END_FRAME_

```

```

{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
} ZW_SECURITY_2_TRANSFER_END_FRAME;

/*****/
/* Security 2 Commands Supported Get command class structs */
/*****/
typedef struct _ZW_SECURITY_2_COMMANDS_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    commandClass1;
} 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;                    /* The command */
    BYTE    commandClass1;          /* MSB */
    BYTE    commandClass2;          /* 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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    commandClass1;          /* MSB */
    BYTE    commandClass2;
    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    commandClass1;          /* MSB */
    BYTE    commandClass2;
    BYTE    commandClass3;
    BYTE    commandClass4;          /* LSB */
} ZW_SECURITY_2_COMMANDS_SUPPORTED_REPORT_4BYTE_FRAME;

/*****/
/* Security 2 Capabilities Get command class structs */
/*****/
typedef struct _ZW_SECURITY_2_CAPABILITIES_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_SECURITY_2_CAPABILITIES_GET_FRAME;

/*****/
/* Security 2 Capabilities Report command class structs */
/*****/
typedef struct _ZW_SECURITY_2_CAPABILITIES_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    supportedSpans;          /**/
    BYTE    supportedMpans;          /**/
} ZW_SECURITY_2_CAPABILITIES_REPORT_FRAME;

```

```

/*****
/* Irrigation System Info Get command class structs */
/*****/
typedef struct _ZW_IRRIGATION_SYSTEM_INFO_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_IRRIGATION_SYSTEM_INFO_GET_FRAME;

/*****
/* Irrigation System Info Report command class structs */
/*****/
typedef struct _ZW_IRRIGATION_SYSTEM_INFO_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    totalNumberOfValves; /* */
    BYTE    totalNumberOfValveTables; /* */
    BYTE    properties2;        /* masked byte */
} ZW_IRRIGATION_SYSTEM_INFO_REPORT_FRAME;

/*****
/* Irrigation System Status Get command class structs */
/*****/
typedef struct _ZW_IRRIGATION_SYSTEM_STATUS_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
} ZW_IRRIGATION_SYSTEM_STATUS_GET_FRAME;

/*****
/* Irrigation System Status Report 1byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_SYSTEM_STATUS_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    systemVoltage;       /* */
    BYTE    sensorStatus;        /* */
    BYTE    properties1;        /* masked byte */
    BYTE    flowValue1;          /* */
    BYTE    properties2;        /* masked byte */
    BYTE    pressureValue1;      /* */
    BYTE    shutoffDuration;     /* */
    BYTE    systemErrorStatus;   /* */
    BYTE    properties3;        /* masked byte */
    BYTE    valveId;            /* */
} ZW_IRRIGATION_SYSTEM_STATUS_REPORT_1BYTE_FRAME;

/*****
/* Irrigation System Status Report 2byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_SYSTEM_STATUS_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    systemVoltage;       /* */
    BYTE    sensorStatus;        /* */
    BYTE    properties1;        /* masked byte */
    BYTE    flowValue1;          /* MSB */
    BYTE    flowValue2;          /* LSB */
    BYTE    properties2;        /* masked byte */
    BYTE    pressureValue1;      /* MSB */
    BYTE    pressureValue2;      /* LSB */
    BYTE    shutoffDuration;     /* */
    BYTE    systemErrorStatus;   /* */
    BYTE    properties3;        /* masked byte */
    BYTE    valveId;            /* */
} ZW_IRRIGATION_SYSTEM_STATUS_REPORT_2BYTE_FRAME;

/*****
/* Irrigation System Status Report 3byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_SYSTEM_STATUS_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    systemVoltage;       /* */
    BYTE    sensorStatus;        /* */
    BYTE    properties1;        /* masked byte */

```

```

    BYTE    flowValue1;                /* MSB */
    BYTE    flowValue2;
    BYTE    flowValue3;                /* LSB */
    BYTE    properties2;                /* masked byte */
    BYTE    pressureValue1;            /* MSB */
    BYTE    pressureValue2;
    BYTE    pressureValue3;            /* LSB */
    BYTE    shutoffDuration;            /**/
    BYTE    systemErrorStatus;          /**/
    BYTE    properties3;                /* masked byte */
    BYTE    valveId;                    /**/
} ZW_IRRIGATION_SYSTEM_STATUS_REPORT_3BYTE_FRAME;

/*****
/* Irrigation System Status Report 4byte command class structs */
*****/
typedef struct _ZW_IRRIGATION_SYSTEM_STATUS_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    systemVoltage;              /**/
    BYTE    sensorStatus;              /**/
    BYTE    properties1;                /* masked byte */
    BYTE    flowValue1;                /* MSB */
    BYTE    flowValue2;
    BYTE    flowValue3;
    BYTE    flowValue4;                /* LSB */
    BYTE    properties2;                /* masked byte */
    BYTE    pressureValue1;            /* MSB */
    BYTE    pressureValue2;
    BYTE    pressureValue3;
    BYTE    pressureValue4;            /* LSB */
    BYTE    shutoffDuration;            /**/
    BYTE    systemErrorStatus;          /**/
    BYTE    properties3;                /* masked byte */
    BYTE    valveId;                    /**/
} ZW_IRRIGATION_SYSTEM_STATUS_REPORT_4BYTE_FRAME;

/*****
/* Irrigation System Config Set 1byte command class structs */
*****/
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    masterValveDelay;           /**/
    BYTE    properties1;                /* masked byte */
    BYTE    highPressureThresholdValue1;
    BYTE    properties2;                /* masked byte */
    BYTE    lowPressureThresholdValue1;
    BYTE    sensorPolarity;            /**/
} ZW_IRRIGATION_SYSTEM_CONFIG_SET_1BYTE_FRAME;

/*****
/* Irrigation System Config Set 2byte command class structs */
*****/
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    masterValveDelay;           /**/
    BYTE    properties1;                /* masked byte */
    BYTE    highPressureThresholdValue1; /* MSB */
    BYTE    highPressureThresholdValue2; /* LSB */
    BYTE    properties2;                /* masked byte */
    BYTE    lowPressureThresholdValue1; /* MSB */
    BYTE    lowPressureThresholdValue2; /* LSB */
    BYTE    sensorPolarity;            /**/
} ZW_IRRIGATION_SYSTEM_CONFIG_SET_2BYTE_FRAME;

/*****
/* Irrigation System Config Set 3byte command class structs */
*****/
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    masterValveDelay;           /**/
    BYTE    properties1;                /* masked byte */
    BYTE    highPressureThresholdValue1; /* MSB */
    BYTE    highPressureThresholdValue2;

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    BYTE    highPressureThresholdValue3; /* LSB */
    BYTE    properties2; /* masked byte */
    BYTE    lowPressureThresholdValue1; /* MSB */
    BYTE    lowPressureThresholdValue2;
    BYTE    lowPressureThresholdValue3; /* LSB */
    BYTE    sensorPolarity; /**/
} ZW_IRRIGATION_SYSTEM_CONFIG_SET_3BYTE_FRAME;

/*****
/* Irrigation System Config Set 4byte command class structs */
*****/
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_SET_4BYTE_FRAME_
{
    BYTE    cmdClass; /* The command class */
    BYTE    cmd; /* The command */
    BYTE    masterValveDelay; /**/
    BYTE    properties1; /* masked byte */
    BYTE    highPressureThresholdValue1; /* MSB */
    BYTE    highPressureThresholdValue2;
    BYTE    highPressureThresholdValue3;
    BYTE    highPressureThresholdValue4; /* LSB */
    BYTE    properties2; /* masked byte */
    BYTE    lowPressureThresholdValue1; /* MSB */
    BYTE    lowPressureThresholdValue2;
    BYTE    lowPressureThresholdValue3;
    BYTE    lowPressureThresholdValue4; /* LSB */
    BYTE    sensorPolarity; /**/
} ZW_IRRIGATION_SYSTEM_CONFIG_SET_4BYTE_FRAME;

/*****
/* Irrigation System Config Get command class structs */
*****/
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_GET_FRAME_
{
    BYTE    cmdClass; /* The command class */
    BYTE    cmd; /* The command */
} ZW_IRRIGATION_SYSTEM_CONFIG_GET_FRAME;

/*****
/* Irrigation System Config Report 1byte command class structs */
*****/
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass; /* The command class */
    BYTE    cmd; /* The command */
    BYTE    masterValveDelay; /**/
    BYTE    properties1; /* masked byte */
    BYTE    highPressureThresholdValue1; /* MSB */
    BYTE    properties2; /* masked byte */
    BYTE    lowPressureThresholdValue1; /* MSB */
    BYTE    sensorPolarity; /**/
} ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_1BYTE_FRAME;

/*****
/* Irrigation System Config Report 2byte command class structs */
*****/
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass; /* The command class */
    BYTE    cmd; /* The command */
    BYTE    masterValveDelay; /**/
    BYTE    properties1; /* masked byte */
    BYTE    highPressureThresholdValue1; /* MSB */
    BYTE    highPressureThresholdValue2; /* LSB */
    BYTE    properties2; /* masked byte */
    BYTE    lowPressureThresholdValue1; /* MSB */
    BYTE    lowPressureThresholdValue2; /* LSB */
    BYTE    sensorPolarity; /**/
} ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_2BYTE_FRAME;

/*****
/* Irrigation System Config Report 3byte command class structs */
*****/
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass; /* The command class */
    BYTE    cmd; /* The command */
    BYTE    masterValveDelay; /**/
    BYTE    properties1; /* masked byte */
    BYTE    highPressureThresholdValue1; /* MSB */
    BYTE    highPressureThresholdValue2;

```



```

    BYTE    highPressureThresholdValue3; /* LSB */
    BYTE    properties2; /* masked byte */
    BYTE    lowPressureThresholdValue1; /* MSB */
    BYTE    lowPressureThresholdValue2;
    BYTE    lowPressureThresholdValue3; /* LSB */
    BYTE    sensorPolarity; /**/
} ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_3BYTE_FRAME;

/*****/
/* Irrigation System Config Report 4byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_SYSTEM_CONFIG_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass; /* The command class */
    BYTE    cmd; /* The command */
    BYTE    masterValveDelay; /**/
    BYTE    properties1; /* masked byte */
    BYTE    highPressureThresholdValue1; /* MSB */
    BYTE    highPressureThresholdValue2;
    BYTE    highPressureThresholdValue3;
    BYTE    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 */
    BYTE    cmd; /* The command */
    BYTE    properties1; /* masked byte */
    BYTE    valveId; /**/
} ZW_IRRIGATION_VALVE_INFO_GET_FRAME;

/*****/
/* Irrigation Valve Info Report command class structs */
/*****/
typedef struct _ZW_IRRIGATION_VALVE_INFO_REPORT_FRAME_
{
    BYTE    cmdClass; /* The command class */
    BYTE    cmd; /* The command */
    BYTE    properties1; /* masked byte */
    BYTE    valveId; /**/
    BYTE    nominalCurrent; /**/
    BYTE    valveErrorStatus; /**/
} ZW_IRRIGATION_VALVE_INFO_REPORT_FRAME;

/*****/
/* Irrigation Valve Config Set 1byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_SET_1BYTE_FRAME_
{
    BYTE    cmdClass; /* The command class */
    BYTE    cmd; /* The command */
    BYTE    properties1; /* masked byte */
    BYTE    valveId; /**/
    BYTE    nominalCurrentHighThreshold; /**/
    BYTE    nominalCurrentLowThreshold; /**/
    BYTE    properties2; /* masked byte */
    BYTE    maximumFlowValue1;
    BYTE    properties3; /* masked byte */
    BYTE    flowHighThresholdValue1;
    BYTE    properties4; /* masked byte */
    BYTE    flowLowThresholdValue1;
    BYTE    sensorUsage; /**/
} ZW_IRRIGATION_VALVE_CONFIG_SET_1BYTE_FRAME;

/*****/
/* Irrigation Valve Config Set 2byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_SET_2BYTE_FRAME_
{
    BYTE    cmdClass; /* The command class */
    BYTE    cmd; /* The command */
    BYTE    properties1; /* masked byte */

```

```

    BYTE    valveId;                                /**/
    BYTE    nominalCurrentHighThreshold;            /**/
    BYTE    nominalCurrentLowThreshold;             /**/
    BYTE    properties2;                            /* masked byte */
    BYTE    maximumFlowValue1;                      /* MSB */
    BYTE    maximumFlowValue2;                      /* LSB */
    BYTE    properties3;                            /* masked byte */
    BYTE    flowHighThresholdValue1;                /* MSB */
    BYTE    flowHighThresholdValue2;                /* LSB */
    BYTE    properties4;                            /* masked byte */
    BYTE    flowLowThresholdValue1;                 /* MSB */
    BYTE    flowLowThresholdValue2;                 /* LSB */
    BYTE    sensorUsage;                            /**/
} ZW_IRRIGATION_VALVE_CONFIG_SET_2BYTE_FRAME;

/*****
/* Irrigation Valve Config Set 3byte command class structs */
*****/
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;                              /* The command class */
    BYTE    cmd;                                    /* The command */
    BYTE    properties1;                            /* masked byte */
    BYTE    valveId;                                /**/
    BYTE    nominalCurrentHighThreshold;            /**/
    BYTE    nominalCurrentLowThreshold;             /**/
    BYTE    properties2;                            /* masked byte */
    BYTE    maximumFlowValue1;                      /* MSB */
    BYTE    maximumFlowValue2;                      /* LSB */
    BYTE    maximumFlowValue3;                      /* masked byte */
    BYTE    properties3;                            /* MSB */
    BYTE    flowHighThresholdValue1;                /* MSB */
    BYTE    flowHighThresholdValue2;                /* LSB */
    BYTE    flowHighThresholdValue3;                /* masked byte */
    BYTE    properties4;                            /* MSB */
    BYTE    flowLowThresholdValue1;                 /* MSB */
    BYTE    flowLowThresholdValue2;                 /* LSB */
    BYTE    flowLowThresholdValue3;                 /* LSB */
    BYTE    sensorUsage;                            /**/
} ZW_IRRIGATION_VALVE_CONFIG_SET_3BYTE_FRAME;

/*****
/* Irrigation Valve Config Set 4byte command class structs */
*****/
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_SET_4BYTE_FRAME_
{
    BYTE    cmdClass;                              /* The command class */
    BYTE    cmd;                                    /* The command */
    BYTE    properties1;                            /* masked byte */
    BYTE    valveId;                                /**/
    BYTE    nominalCurrentHighThreshold;            /**/
    BYTE    nominalCurrentLowThreshold;             /**/
    BYTE    properties2;                            /* masked byte */
    BYTE    maximumFlowValue1;                      /* MSB */
    BYTE    maximumFlowValue2;                      /* LSB */
    BYTE    maximumFlowValue3;                      /* masked byte */
    BYTE    maximumFlowValue4;                      /* MSB */
    BYTE    properties3;                            /* masked byte */
    BYTE    flowHighThresholdValue1;                /* MSB */
    BYTE    flowHighThresholdValue2;                /* LSB */
    BYTE    flowHighThresholdValue3;                /* masked byte */
    BYTE    flowHighThresholdValue4;                /* MSB */
    BYTE    properties4;                            /* masked byte */
    BYTE    flowLowThresholdValue1;                 /* MSB */
    BYTE    flowLowThresholdValue2;                 /* LSB */
    BYTE    flowLowThresholdValue3;                 /* masked byte */
    BYTE    flowLowThresholdValue4;                 /* LSB */
    BYTE    sensorUsage;                            /**/
} ZW_IRRIGATION_VALVE_CONFIG_SET_4BYTE_FRAME;

/*****
/* Irrigation Valve Config Get command class structs */
*****/
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_GET_FRAME_
{
    BYTE    cmdClass;                              /* The command class */
    BYTE    cmd;                                    /* The command */
    BYTE    properties1;                            /* masked byte */
    BYTE    valveId;                                /**/
} ZW_IRRIGATION_VALVE_CONFIG_GET_FRAME;

```

```

/*****
/* Irrigation Valve Config Report 1byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    valveId;                /**/
    BYTE    nominalCurrentHighThreshold; /**/
    BYTE    nominalCurrentLowThreshold; /**/
    BYTE    properties2;             /* masked byte */
    BYTE    maximumFlowValue1;
    BYTE    properties3;             /* masked byte */
    BYTE    flowHighThresholdValue1;
    BYTE    properties4;             /* masked byte */
    BYTE    flowLowThresholdValue1;
    BYTE    sensorUsage;            /**/
} ZW_IRRIGATION_VALVE_CONFIG_REPORT_1BYTE_FRAME;

/*****
/* Irrigation Valve Config Report 2byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    valveId;                /**/
    BYTE    nominalCurrentHighThreshold; /**/
    BYTE    nominalCurrentLowThreshold; /**/
    BYTE    properties2;             /* masked byte */
    BYTE    maximumFlowValue1;       /* MSB */
    BYTE    maximumFlowValue2;       /* LSB */
    BYTE    properties3;             /* masked byte */
    BYTE    flowHighThresholdValue1; /* MSB */
    BYTE    flowHighThresholdValue2; /* LSB */
    BYTE    properties4;             /* masked byte */
    BYTE    flowLowThresholdValue1;  /* MSB */
    BYTE    flowLowThresholdValue2;  /* LSB */
    BYTE    sensorUsage;            /**/
} ZW_IRRIGATION_VALVE_CONFIG_REPORT_2BYTE_FRAME;

/*****
/* Irrigation Valve Config Report 3byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    valveId;                /**/
    BYTE    nominalCurrentHighThreshold; /**/
    BYTE    nominalCurrentLowThreshold; /**/
    BYTE    properties2;             /* masked byte */
    BYTE    maximumFlowValue1;       /* MSB */
    BYTE    maximumFlowValue2;
    BYTE    maximumFlowValue3;       /* LSB */
    BYTE    properties3;             /* masked byte */
    BYTE    flowHighThresholdValue1; /* MSB */
    BYTE    flowHighThresholdValue2;
    BYTE    flowHighThresholdValue3; /* LSB */
    BYTE    properties4;             /* masked byte */
    BYTE    flowLowThresholdValue1;  /* MSB */
    BYTE    flowLowThresholdValue2;
    BYTE    flowLowThresholdValue3;  /* LSB */
    BYTE    sensorUsage;            /**/
} ZW_IRRIGATION_VALVE_CONFIG_REPORT_3BYTE_FRAME;

/*****
/* Irrigation Valve Config Report 4byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_VALVE_CONFIG_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    valveId;                /**/
    BYTE    nominalCurrentHighThreshold; /**/
    BYTE    nominalCurrentLowThreshold; /**/
    BYTE    properties2;             /* masked byte */

```

```

    BYTE    maximumFlowValue1;          /* MSB */
    BYTE    maximumFlowValue2;
    BYTE    maximumFlowValue3;
    BYTE    maximumFlowValue4;          /* LSB */
    BYTE    properties3;                 /* masked byte */
    BYTE    flowHighThresholdValue1;     /* MSB */
    BYTE    flowHighThresholdValue2;
    BYTE    flowHighThresholdValue3;
    BYTE    flowHighThresholdValue4;     /* LSB */
    BYTE    properties4;                 /* masked byte */
    BYTE    flowLowThresholdValue1;       /* MSB */
    BYTE    flowLowThresholdValue2;
    BYTE    flowLowThresholdValue3;
    BYTE    flowLowThresholdValue4;     /* 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 */
    BYTE    cmd;                        /* The command */
    BYTE    properties1;                 /* masked byte */
    BYTE    valveId;                    /**/
    BYTE    duration1;                  /* MSB */
    BYTE    duration2;                  /* LSB */
} ZW_IRRIGATION_VALVE_RUN_FRAME;

/*****/
/* Irrigation Valve Table Set variant group structs */
/*****/
typedef struct _VG_IRRIGATION_VALVE_TABLE_SET_VG_
{
    BYTE    valveId;                    /**/
    BYTE    duration1;                  /* MSB */
    BYTE    duration2;                  /* LSB */
} VG_IRRIGATION_VALVE_TABLE_SET_VG;

/*****/
/* Irrigation Valve Table Set 1byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_VALVE_TABLE_SET_1BYTE_FRAME_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    valveTableId;               /**/
    VG_IRRIGATION_VALVE_TABLE_SET_VG variantgroup1; /**/
} ZW_IRRIGATION_VALVE_TABLE_SET_1BYTE_FRAME;

/*****/
/* Irrigation Valve Table Set 2byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_VALVE_TABLE_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    valveTableId;               /**/
    VG_IRRIGATION_VALVE_TABLE_SET_VG variantgroup1; /**/
    VG_IRRIGATION_VALVE_TABLE_SET_VG variantgroup2; /**/
} ZW_IRRIGATION_VALVE_TABLE_SET_2BYTE_FRAME;

/*****/
/* Irrigation Valve Table Set 3byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_VALVE_TABLE_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;                   /* The command class */
    BYTE    cmd;                        /* The command */
    BYTE    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_
{

```

```

    BYTE      cmdClass;                /* The command class */
    BYTE      cmd;                     /* The command */
    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;

/*****
/* Irrigation Valve Table Get command class structs */
*****/
typedef struct _ZW_IRRIGATION_VALVE_TABLE_GET_FRAME_
{
    BYTE      cmdClass;                /* The command class */
    BYTE      cmd;                     /* The command */
    BYTE      valveTableId;            /**/
} ZW_IRRIGATION_VALVE_TABLE_GET_FRAME;

/*****
/* Irrigation Valve Table Report variant group structs */
*****/
typedef struct _VG_IRRIGATION_VALVE_TABLE_REPORT_VG_
{
    BYTE      valveId;                 /**/
    BYTE      duration1;               /* MSB */
    BYTE      duration2;               /* LSB */
} VG_IRRIGATION_VALVE_TABLE_REPORT_VG;

/*****
/* Irrigation Valve Table Report 1byte command class structs */
*****/
typedef struct _ZW_IRRIGATION_VALVE_TABLE_REPORT_1BYTE_FRAME_
{
    BYTE      cmdClass;                /* The command class */
    BYTE      cmd;                     /* The command */
    BYTE      valveTableId;            /**/
    VG_IRRIGATION_VALVE_TABLE_REPORT_VG variantgroup1;          /**/
} ZW_IRRIGATION_VALVE_TABLE_REPORT_1BYTE_FRAME;

/*****
/* Irrigation Valve Table Report 2byte command class structs */
*****/
typedef struct _ZW_IRRIGATION_VALVE_TABLE_REPORT_2BYTE_FRAME_
{
    BYTE      cmdClass;                /* The command class */
    BYTE      cmd;                     /* The command */
    BYTE      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_
{
    BYTE      cmdClass;                /* The command class */
    BYTE      cmd;                     /* The command */
    BYTE      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;

/*****
/* Irrigation Valve Table Report 4byte command class structs */
*****/
typedef struct _ZW_IRRIGATION_VALVE_TABLE_REPORT_4BYTE_FRAME_
{
    BYTE      cmdClass;                /* The command class */
    BYTE      cmd;                     /* The command */
    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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    valveTableId1;
} ZW_IRRIGATION_VALVE_TABLE_RUN_1BYTE_FRAME;

/*****/
/* Irrigation Valve Table Run 2byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_VALVE_TABLE_RUN_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    valveTableId1;      /* MSB */
    BYTE    valveTableId2;      /* LSB */
} ZW_IRRIGATION_VALVE_TABLE_RUN_2BYTE_FRAME;

/*****/
/* Irrigation Valve Table Run 3byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_VALVE_TABLE_RUN_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    valveTableId1;      /* MSB */
    BYTE    valveTableId2;
    BYTE    valveTableId3;      /* LSB */
} ZW_IRRIGATION_VALVE_TABLE_RUN_3BYTE_FRAME;

/*****/
/* Irrigation Valve Table Run 4byte command class structs */
/*****/
typedef struct _ZW_IRRIGATION_VALVE_TABLE_RUN_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    valveTableId1;      /* MSB */
    BYTE    valveTableId2;
    BYTE    valveTableId3;
    BYTE    valveTableId4;      /* LSB */
} ZW_IRRIGATION_VALVE_TABLE_RUN_4BYTE_FRAME;

/*****/
/* Irrigation System Shutoff command class structs */
/*****/
typedef struct _ZW_IRRIGATION_SYSTEM_SHUTOFF_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    duration;           /**/
} ZW_IRRIGATION_SYSTEM_SHUTOFF_FRAME;

/*****/
/* Supervision Get command class structs */
/*****/
typedef struct _ZW_SUPERVISION_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    encapsulatedCommandLength; /**/
} ZW_SUPERVISION_GET_FRAME;

/*****/
/* Supervision Report command class structs */
/*****/
typedef struct _ZW_SUPERVISION_REPORT_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    status;             /**/
    BYTE    duration;           /**/
} ZW_SUPERVISION_REPORT_FRAME;

/*****/
/* Humidity Control Setpoint Set 1byte command class structs */
/*****/
typedef struct _ZW_HUMIDITY_CONTROL_SETPPOINT_SET_1BYTE_FRAME_

```

```

{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    value1;
} ZW_HUMIDITY_CONTROL_SETPPOINT_SET_1BYTE_FRAME;

/*****/
/* Humidity Control Setpoint Set 2byte command class structs */
/*****/
typedef struct _ZW_HUMIDITY_CONTROL_SETPPOINT_SET_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;             /* LSB */
} ZW_HUMIDITY_CONTROL_SETPPOINT_SET_2BYTE_FRAME;

/*****/
/* Humidity Control Setpoint Set 3byte command class structs */
/*****/
typedef struct _ZW_HUMIDITY_CONTROL_SETPPOINT_SET_3BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;
    BYTE    value3;             /* LSB */
} ZW_HUMIDITY_CONTROL_SETPPOINT_SET_3BYTE_FRAME;

/*****/
/* Humidity Control Setpoint Set 4byte command class structs */
/*****/
typedef struct _ZW_HUMIDITY_CONTROL_SETPPOINT_SET_4BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    value1;             /* MSB */
    BYTE    value2;
    BYTE    value3;
    BYTE    value4;             /* LSB */
} ZW_HUMIDITY_CONTROL_SETPPOINT_SET_4BYTE_FRAME;

/*****/
/* Humidity Control Setpoint Get command class structs */
/*****/
typedef struct _ZW_HUMIDITY_CONTROL_SETPPOINT_GET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
} ZW_HUMIDITY_CONTROL_SETPPOINT_GET_FRAME;

/*****/
/* Humidity Control Setpoint Report 1byte command class structs */
/*****/
typedef struct _ZW_HUMIDITY_CONTROL_SETPPOINT_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    value1;
} ZW_HUMIDITY_CONTROL_SETPPOINT_REPORT_1BYTE_FRAME;

/*****/
/* Humidity Control Setpoint Report 2byte command class structs */
/*****/
typedef struct _ZW_HUMIDITY_CONTROL_SETPPOINT_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */

```

```

        BYTE    value1;                                /* MSB */
        BYTE    value2;                                /* LSB */
    } 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 */
    BYTE    cmd;                                    /* The command */
    BYTE    properties1;                            /* masked byte */
    BYTE    properties2;                            /* masked byte */
    BYTE    value1;                                /* MSB */
    BYTE    value2;
    BYTE    value3;                                /* LSB */
} 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 */
    BYTE    properties2;                            /* masked byte */
    BYTE    value1;                                /* MSB */
    BYTE    value2;
    BYTE    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_
{
    BYTE    cmdClass;                                /* The command class */
    BYTE    cmd;                                    /* The command */
} ZW_HUMIDITY_CONTROL_SETPOINT_SUPPORTED_GET_FRAME;

/*****/
/* Humidity Control Setpoint Supported Report command class structs */
/*****/
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_SUPPORTED_REPORT_FRAME_
{
    BYTE    cmdClass;                                /* The command class */
    BYTE    cmd;                                    /* The command */
    BYTE    bitMask;                                /**/
} ZW_HUMIDITY_CONTROL_SETPOINT_SUPPORTED_REPORT_FRAME;

/*****/
/* Humidity Control Setpoint Scale Supported Get command class structs */
/*****/
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;                                /* The command class */
    BYTE    cmd;                                    /* The command */
    BYTE    properties1;                            /* 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_
{
    BYTE    cmdClass;                                /* The command class */
    BYTE    cmd;                                    /* The command */
    BYTE    properties1;                            /* masked byte */
} ZW_HUMIDITY_CONTROL_SETPOINT_SCALE_SUPPORTED_REPORT_FRAME;

/*****/
/* Humidity Control Setpoint Capabilities Get command class structs */
/*****/
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_GET_FRAME_
{
    BYTE    cmdClass;                                /* The command class */
    BYTE    cmd;                                    /* The command */
    BYTE    properties1;                            /* masked 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    minimumValue1;
    BYTE    properties3;        /* masked byte */
    BYTE    maximumValue1;
} ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_1BYTE_FRAME;

/*****
/* Humidity Control Setpoint Capabilities Report 2byte command class structs */
/*****
typedef struct _ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    minimumValue1;      /* MSB */
    BYTE    minimumValue2;      /* LSB */
    BYTE    properties3;        /* masked byte */
    BYTE    maximumValue1;      /* MSB */
    BYTE    maximumValue2;      /* 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    minimumValue1;      /* MSB */
    BYTE    minimumValue2;
    BYTE    minimumValue3;      /* LSB */
    BYTE    properties3;        /* masked byte */
    BYTE    maximumValue1;      /* MSB */
    BYTE    maximumValue2;
    BYTE    maximumValue3;      /* LSB */
} 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_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
    BYTE    properties2;        /* masked byte */
    BYTE    minimumValue1;      /* MSB */
    BYTE    minimumValue2;
    BYTE    minimumValue3;
    BYTE    minimumValue4;      /* LSB */
    BYTE    properties3;        /* masked byte */
    BYTE    maximumValue1;      /* MSB */
    BYTE    maximumValue2;
    BYTE    maximumValue3;
    BYTE    maximumValue4;      /* LSB */
} ZW_HUMIDITY_CONTROL_SETPOINT_CAPABILITIES_REPORT_4BYTE_FRAME;

/*****
/* Humidity Control Mode Set command class structs */
/*****
typedef struct _ZW_HUMIDITY_CONTROL_MODE_SET_FRAME_
{
    BYTE    cmdClass;           /* The command class */
    BYTE    cmd;                /* The command */
    BYTE    properties1;        /* masked byte */
} ZW_HUMIDITY_CONTROL_MODE_SET_FRAME;

/*****
/* Humidity Control Mode Get command class structs */
/****

```

```

/*****/
typedef struct _ZW_HUMIDITY_CONTROL_MODE_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_HUMIDITY_CONTROL_MODE_GET_FRAME;

/*****/
/* Humidity Control Mode Report command class structs */
/*****/
typedef struct _ZW_HUMIDITY_CONTROL_MODE_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    properties1;       /* masked byte */
} ZW_HUMIDITY_CONTROL_MODE_REPORT_FRAME;

/*****/
/* Humidity Control Mode Supported Get command class structs */
/*****/
typedef struct _ZW_HUMIDITY_CONTROL_MODE_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_HUMIDITY_CONTROL_MODE_SUPPORTED_GET_FRAME;

/*****/
/* Humidity Control Mode Supported Report command class structs */
/*****/
typedef struct _ZW_HUMIDITY_CONTROL_MODE_SUPPORTED_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    bitMask;           /* */
} ZW_HUMIDITY_CONTROL_MODE_SUPPORTED_REPORT_FRAME;

/*****/
/* Humidity Control Operating State Get command class structs */
/*****/
typedef struct _ZW_HUMIDITY_CONTROL_OPERATING_STATE_GET_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
} ZW_HUMIDITY_CONTROL_OPERATING_STATE_GET_FRAME;

/*****/
/* Humidity Control Operating State Report command class structs */
/*****/
typedef struct _ZW_HUMIDITY_CONTROL_OPERATING_STATE_REPORT_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    properties1;       /* masked byte */
} ZW_HUMIDITY_CONTROL_OPERATING_STATE_REPORT_FRAME;

/*****/
/* Entry Control Notification 1byte command class structs */
/*****/
typedef struct _ZW_ENTRY_CONTROL_NOTIFICATION_1BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    sequenceNumber;    /* */
    BYTE    properties1;       /* masked byte */
    BYTE    eventType;         /* */
    BYTE    eventDataLength;    /* */
    BYTE    eventDatal;
} ZW_ENTRY_CONTROL_NOTIFICATION_1BYTE_FRAME;

/*****/
/* Entry Control Notification 2byte command class structs */
/*****/
typedef struct _ZW_ENTRY_CONTROL_NOTIFICATION_2BYTE_FRAME_
{
    BYTE    cmdClass;          /* The command class */
    BYTE    cmd;               /* The command */
    BYTE    sequenceNumber;    /* */
    BYTE    properties1;       /* masked byte */
    BYTE    eventType;         /* */
    BYTE    eventDataLength;    /* */
    BYTE    eventDatal;        /* MSB */
}

```

```
    BYTE    eventData2;                /* LSB */
} ZW_ENTRY_CONTROL_NOTIFICATION_2BYTE_FRAME;

/*****
/* Entry Control Notification 3byte command class structs */
*****/
typedef struct _ZW_ENTRY_CONTROL_NOTIFICATION_3BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    sequenceNumber;            /**/
    BYTE    properties1;               /* masked byte */
    BYTE    eventType;                /**/
    BYTE    eventDataLength;           /**/
    BYTE    eventData1;                /* MSB */
    BYTE    eventData2;
    BYTE    eventData3;                /* LSB */
} ZW_ENTRY_CONTROL_NOTIFICATION_3BYTE_FRAME;

/*****
/* Entry Control Notification 4byte command class structs */
*****/
typedef struct _ZW_ENTRY_CONTROL_NOTIFICATION_4BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    sequenceNumber;            /**/
    BYTE    properties1;               /* masked byte */
    BYTE    eventType;                /**/
    BYTE    eventDataLength;           /**/
    BYTE    eventData1;                /* MSB */
    BYTE    eventData2;
    BYTE    eventData3;
    BYTE    eventData4;                /* LSB */
} ZW_ENTRY_CONTROL_NOTIFICATION_4BYTE_FRAME;

/*****
/* Entry Control Key Supported Get command class structs */
*****/
typedef struct _ZW_ENTRY_CONTROL_KEY_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* 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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    keySupportedBitMaskLength; /**/
    BYTE    keySupportedBitMask1;
} ZW_ENTRY_CONTROL_KEY_SUPPORTED_REPORT_1BYTE_FRAME;

/*****
/* Entry Control Key Supported Report 2byte command class structs */
*****/
typedef struct _ZW_ENTRY_CONTROL_KEY_SUPPORTED_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    keySupportedBitMaskLength; /**/
    BYTE    keySupportedBitMask1;      /* MSB */
    BYTE    keySupportedBitMask2;      /* LSB */
} 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_
{
    BYTE    cmdClass;                  /* The command class */
    BYTE    cmd;                       /* The command */
    BYTE    keySupportedBitMaskLength; /**/
    BYTE    keySupportedBitMask1;      /* MSB */
    BYTE    keySupportedBitMask2;
    BYTE    keySupportedBitMask3;      /* LSB */
} ZW_ENTRY_CONTROL_KEY_SUPPORTED_REPORT_3BYTE_FRAME;
```

```
/* Entry Control Key Supported Report 4byte command class structs */
/* Entry Control Key Supported Report 4byte command class structs */
typedef struct _ZW_ENTRY_CONTROL_KEY_SUPPORTED_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    keySupportedBitMaskLength; /* */
    BYTE    keySupportedBitMask1;    /* MSB */
    BYTE    keySupportedBitMask2;
    BYTE    keySupportedBitMask3;
    BYTE    keySupportedBitMask4;    /* LSB */
} ZW_ENTRY_CONTROL_KEY_SUPPORTED_REPORT_4BYTE_FRAME;

/* Entry Control Event Supported Get command class structs */
/* Entry Control Event Supported Get command class structs */
typedef struct _ZW_ENTRY_CONTROL_EVENT_SUPPORTED_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_ENTRY_CONTROL_EVENT_SUPPORTED_GET_FRAME;

/* Entry Control Event Supported Report 1byte command class structs */
/* Entry Control Event Supported Report 1byte command class structs */
typedef struct _ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_1BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    dataTypeSupportedBitMask1;
    BYTE    properties2;             /* masked byte */
    BYTE    eventTypeSupportedBitMask1;
    BYTE    keyCachedSizeSupportedMinimum; /* */
    BYTE    keyCachedSizeSupportedMaximum; /* */
    BYTE    keyCachedTimeoutSupportedMinimum; /* */
    BYTE    keyCachedTimeoutSupportedMaximum; /* */
} ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_1BYTE_FRAME;

/* Entry Control Event Supported Report 2byte command class structs */
/* Entry Control Event Supported Report 2byte command class structs */
typedef struct _ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_2BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    dataTypeSupportedBitMask1; /* MSB */
    BYTE    dataTypeSupportedBitMask2; /* LSB */
    BYTE    properties2;             /* masked byte */
    BYTE    eventTypeSupportedBitMask1; /* MSB */
    BYTE    eventTypeSupportedBitMask2; /* LSB */
    BYTE    keyCachedSizeSupportedMinimum; /* */
    BYTE    keyCachedSizeSupportedMaximum; /* */
    BYTE    keyCachedTimeoutSupportedMinimum; /* */
    BYTE    keyCachedTimeoutSupportedMaximum; /* */
} ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_2BYTE_FRAME;

/* Entry Control Event Supported Report 3byte command class structs */
/* Entry Control Event Supported Report 3byte command class structs */
typedef struct _ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_3BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;             /* masked byte */
    BYTE    dataTypeSupportedBitMask1; /* MSB */
    BYTE    dataTypeSupportedBitMask2;
    BYTE    dataTypeSupportedBitMask3; /* LSB */
    BYTE    properties2;             /* masked byte */
    BYTE    eventTypeSupportedBitMask1; /* MSB */
    BYTE    eventTypeSupportedBitMask2;
    BYTE    eventTypeSupportedBitMask3; /* LSB */
    BYTE    keyCachedSizeSupportedMinimum; /* */
    BYTE    keyCachedSizeSupportedMaximum; /* */
    BYTE    keyCachedTimeoutSupportedMinimum; /* */
    BYTE    keyCachedTimeoutSupportedMaximum; /* */
} ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_3BYTE_FRAME;

/* Entry Control Event Supported Report 3byte command class structs */
/* Entry Control Event Supported Report 3byte command class structs */
```

```
/* Entry Control Event Supported Report 4byte command class structs */
/*****
typedef struct _ZW_ENTRY_CONTROL_EVENT_SUPPORTED_REPORT_4BYTE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    properties1;            /* masked byte */
    BYTE    dataTypeSupportedBitMask1; /* MSB */
    BYTE    dataTypeSupportedBitMask2;
    BYTE    dataTypeSupportedBitMask3;
    BYTE    dataTypeSupportedBitMask4; /* LSB */
    BYTE    properties2;            /* masked byte */
    BYTE    eventTypeSupportedBitMask1; /* MSB */
    BYTE    eventTypeSupportedBitMask2;
    BYTE    eventTypeSupportedBitMask3;
    BYTE    eventTypeSupportedBitMask4; /* LSB */
    BYTE    keyCachedSizeSupportedMinimum; /**/
    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_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    keyCacheSize;            /**/
    BYTE    keyCacheTimeout;        /**/
} ZW_ENTRY_CONTROL_CONFIGURATION_SET_FRAME;

/*****
/* Entry Control Configuration Get command class structs */
/*****
typedef struct _ZW_ENTRY_CONTROL_CONFIGURATION_GET_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
} ZW_ENTRY_CONTROL_CONFIGURATION_GET_FRAME;

/*****
/* Entry Control Configuration Report command class structs */
/*****
typedef struct _ZW_ENTRY_CONTROL_CONFIGURATION_REPORT_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    keyCacheSize;            /**/
    BYTE    keyCacheTimeout;        /**/
} ZW_ENTRY_CONTROL_CONFIGURATION_REPORT_FRAME;

/*****
/* Initiate command class structs */
/*****
typedef struct _ZW_INITIATE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    nodeId;                 /**/
    BYTE    stepId;                 /**/
} ZW_INITIATE_FRAME;

/*****
/* Complete command class structs */
/*****
typedef struct _ZW_COMPLETE_FRAME_
{
    BYTE    cmdClass;                /* The command class */
    BYTE    cmd;                    /* The command */
    BYTE    stepId;                 /**/
    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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      numberOfCommands;
    BYTE      commandLength;
    ALL_EXCEPT_ENCAP  encapFrame;
} ZW_MULTI_COMMAND_ENCAP_FRAME;

typedef struct _ZW_COMPOSITE_CMD_ENCAP_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    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_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      endPoint;          /* Bit7-5=Reserved and Bit0-4=End Point */
    ALL_EXCEPT_ENCAP  encapFrame;
} ZW_COMPOSITE_REPLY_ENCAP_FRAME;

typedef struct _ZW_MULTI_INSTANCE_CMD_ENCAP_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      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 */
    BYTE      cmd;               /* The command */
    BYTE      properties1;       /* masked byte */
    BYTE      properties2;       /* masked byte */
    ALL_EXCEPT_ENCAP  encapFrame;
} ZW_MULTI_CHANNEL_CMD_ENCAP_V2_FRAME;

typedef struct _ZW_SECURITY_MESSAGE_ENCAP_FRAME_
{
    BYTE      cmdClass;          /* The command class */
    BYTE      cmd;               /* The command */
    BYTE      initVectorByte1;   /* The initialization vector byte 1 (MSB) */
    BYTE      initVectorByte2;   /* The initialization vector byte 2 */
    BYTE      initVectorByte3;   /* The initialization vector byte 3 */
    BYTE      initVectorByte4;   /* The initialization vector byte 4 */
    BYTE      initVectorByte5;   /* The initialization vector byte 5 */
    BYTE      initVectorByte6;   /* The initialization vector byte 6 */
    BYTE      initVectorByte7;   /* The initialization vector byte 7 */
    BYTE      initVectorByte8;   /* The initialization vector byte 8 (LSB) */
    BYTE      securityEncapMessage[29];
    BYTE      receiverNonceIdent;
    BYTE      messageAuthenticationCodeByte1; /* The Authentication code byte 1 (MSB) */
    BYTE      messageAuthenticationCodeByte2; /* The Authentication code byte 2 */
    BYTE      messageAuthenticationCodeByte3; /* The Authentication code byte 3 */
    BYTE      messageAuthenticationCodeByte4; /* The Authentication code byte 4 */
    BYTE      messageAuthenticationCodeByte5; /* The Authentication code byte 5 */
    BYTE      messageAuthenticationCodeByte6; /* The Authentication code byte 6 */
    BYTE      messageAuthenticationCodeByte7; /* The Authentication code byte 7 */
    BYTE      messageAuthenticationCodeByte8; /* The Authentication code byte 8 (LSB) */
} ZW_SECURITY_MESSAGE_ENCAP_FRAME;

/*****/
/* Union of all command classes */
/*****/

```

```
typedef union _ZW_APPLICATION_TX_BUFFER_
{
    ZW_MULTI_COMMAND_ENCAP_FRAME          ZW_MultiCommandEncapFrame;
    ZW_COMPOSITE_CMD_ENCAP_FRAME          ZW_CompositeCmdEncapFrame;
    ZW_COMPOSITE_REPLY_ENCAP_FRAME        ZW_CompositeReplyEncapFrame;
    ZW_MULTI_INSTANCE_CMD_ENCAP_FRAME      ZW_MultiInstanceCmdEncapFrame;
    ZW_MULTI_CHANNEL_CMD_ENCAP_V2_FRAME    ZW_MultiChannelCmdEncapV2Frame;
    ZW_FRAME_COLLECTION_MACRO0
    ZW_FRAME_COLLECTION_MACRO1
    ZW_FRAME_COLLECTION_MACRO2
    ZW_FRAME_COLLECTION_MACRO3
    ZW_FRAME_COLLECTION_MACRO4
    ZW_FRAME_COLLECTION_MACRO5
} ZW_APPLICATION_TX_BUFFER;

/*****
/* Union of all command classes with room for a full
/* meta data frame
*****/
typedef union _ZW_APPLICATION_META_TX_BUFFER_
{
    ZW_MULTI_COMMAND_ENCAP_FRAME          ZW_MultiCommandEncapFrame;
    ZW_COMPOSITE_CMD_ENCAP_FRAME          ZW_CompositeCmdEncapFrame;
    ZW_COMPOSITE_REPLY_ENCAP_FRAME        ZW_CompositeReplyEncapFrame;
    ZW_MULTI_INSTANCE_CMD_ENCAP_FRAME      ZW_MultiInstanceCmdEncapFrame;
    ZW_MULTI_CHANNEL_CMD_ENCAP_V2_FRAME    ZW_MultiChannelCmdEncapV2Frame;
    ZW_FRAME_COLLECTION_MACRO0
    ZW_FRAME_COLLECTION_MACRO1
    ZW_FRAME_COLLECTION_MACRO2
    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.