

# P2000

Security Management System

## **Database Table Definitions**

for Creating Custom Reports

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## for Creating Custom Reports

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## DATABASE TABLE DEFINITIONS

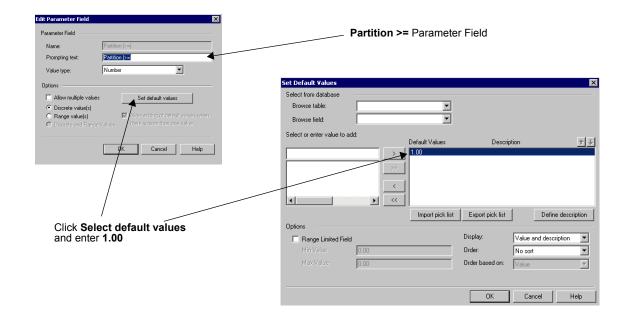
## **OVERVIEW**

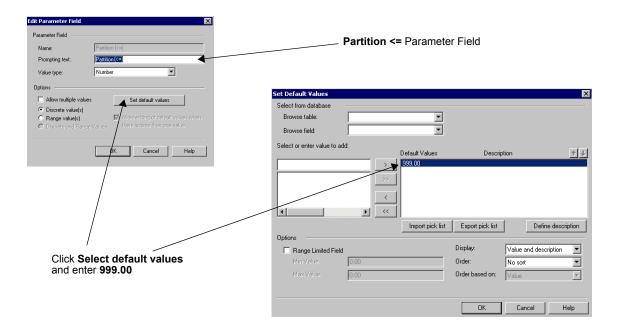
The P2000 Database Table Definitions are provided to assist you in creating custom reports using SAP® Crystal Reports®. You can create custom reports using SAP Crystal Reports and then import them into the P2000 system. You can also export a P2000 standard report, open it in SAP Crystal Reports, edit it, and then import it back into the P2000 system. This document assumes you have your own copy of Crystal Reports, and you are familiar on how reports are run by the P2000 system.

To write custom reports you need to know how the database is constructed. You must know the field/table relationships for the information you need before you can create new fields for your reports. This document contains a description of all the database tables used in the P2000 system and a brief description of what each field contains. Tables often contain a unique identifier field that is generated by the database engine as items are added. This identifier is used to relate entries in the database to each other. For example, all terminals installed on a panel with a *p\_panel\_id* of 1000 will have their *tp\_panel\_id* field also set to a value of 1000, this allows a report to print a list of all terminals on a specific panel.

In a partitioned system, custom reports created for the P2000 system must include two parameter fields, "Partition (>=)" and "Partition (<=)", these will be supplied by the P2000 system when the report is launched. These parameters must be used to filter the report data so only information for the correct partition(s) appears on the report.

The following examples show how the Partition parameter fields are defined. These dialog boxes may differ slightly depending on the Crystal Reports version you are using.





When creating your reports, be sure to use the Pegasys ODBC Data Source as your database connection. Using another data source may prevent the report from running correctly from P2000 workstations. The Pegasys ODBC Data Source is created by the P2000 installation.

## NOTE

Custom reports may need to be modified after a P2000 software version upgrade, since the database structure may have changed.

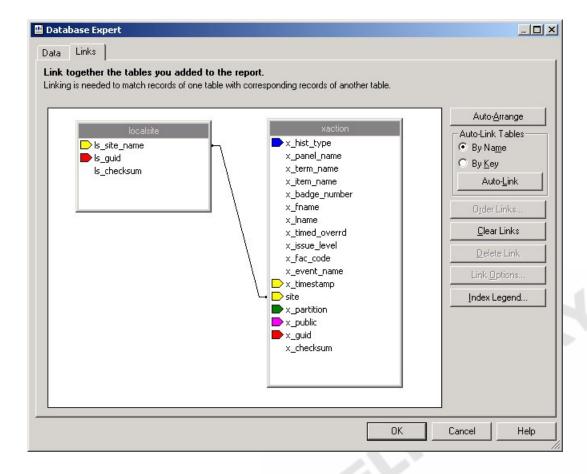
Refer to the field/table relationship information starting on page 8 to create your reports, and follow the instructions provided in your Crystal Reports documentation.

## P2000 VER. 3.0 (AND HIGHER) IMPACT ON CUSTOM REPORTS

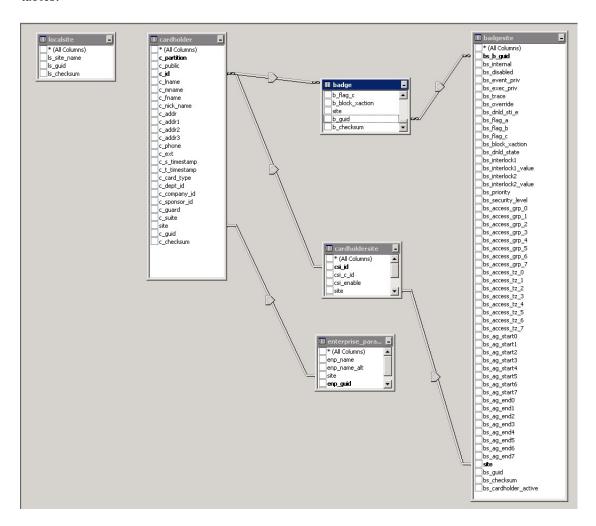
P2000 version 3.0 introduced the P2000 Enterprise option, which allows customers with multiple sites to communicate with each other to share Cardholder/Badge information. Cardholders can be granted access to doors at all assigned sites within the Enterprise system.

In order to implement the centralized cardholder management for P2000 Enterprise systems, the existing cardholder/badge relationships and tables had to be modified. Accordingly, new rules must be applied to both new and existing Custom Reports implemented on any P2000 system that reports upon cardholder/badge records.

In addition, P2000 Enterprise users should note that even if no custom reporting is done against cardholder/badge records, the local site table must be added to the report, and linked by the site name to the corresponding site field on the respective tables. This is necessary in order to present data specific only to the site that the report is being run on. If however, it is desired that records for all sites be reported on, then linking to the **localsite** table is not necessary. An example of such linking against P2000 Transaction Records on a P2000 Enterprise system is demonstrated below:



The following diagram outlines the Entity Relationship Diagram (ERD) for cardholder and badge tables:



The tables **cardholder** and **badge** contain information that is applicable for the entire P2000 Enterprise system, where the tables **cardholdersite** and **badgesite** contain site-specific information. On a P2000 system with no Enterprise option, the tables **cardholdersite** and **badgesite** will contain the P2000 system settings.

The following table outlines the database columns that have been moved or require a different interpretation:

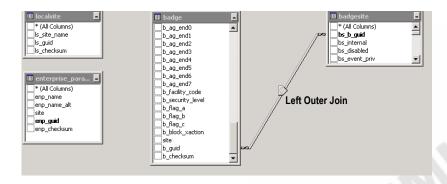
P2000 V2.5		P2000 V3.0 and higher		
Table	Column	Table	Column	Contents
Cardholder	c_cardholder_active	Cardholdersite	csi_active	Cardholder active on site cardholdersite.site     Cardholder not active on site cardholdersite.site
		Cardholdersite	csi_enable	<ul><li>1 – Cardholder enabled on site cardholdersite.site</li><li>0 – Cardholder disabled</li></ul>
Badge	b_cardholder_active	BadgeSite	bs_cardholder_active	Cardholder active on site <b>badgesite.site</b> Cardholder not active on site <b>badgesite.site</b>
Badge	b_access_grp_x	Badge	b_access_grp_x	Enterprise Access Group x
Badge	b_timezone_x	Badge	b_timezone_x	Enterprise Timezone x
Badge	b_exec_priv	Badge/BadgeSite	b_exec_priv bs_exec_priv	If (IsNull(bs_internal,1) = 1) then Use b_exec_priv Else Use bs_exec_priv 1 – Executive privilege granted
Badge	b_trace	Badge/BadgeSite	b_trace bs_trace	If (IsNull(bs_internal) = 1) then

Enterprise Access Groups do not contain any references to terminals, terminals groups or other hardware items. An Enterprise Access Group links to a local Access Group by name only.

## **Recommended Table Joins**

We recommend using the following table joins for linking the different tables:

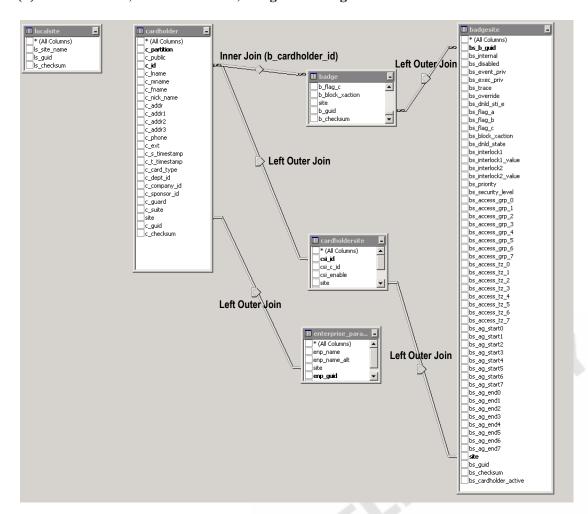
## (a) Badge and Badge Site



You can use the following selection formula in Crystal Reports to apply the Enterprise rules:

```
if isnull({enterprise_parameters.enp_name}) then
    (
    // Local Site, ie no Enterprise
    if IsNull({badgesite.site}) then
        FALSE
    else
    if ({badgesite.site} <> {localsite.ls_site_name}) then
```

## (b) Cardholder, Cardholder Site, Badge and BadgeSite



You can use the following selection formula in Crystal Reports to apply the Enterprise rules:

```
if isnull({enterprise_parameters.enp_name}) then
(
    // Local Site, ie no Enterprise
    if IsNull({badgesite.site}) then
```

```
FALSE
      else
      if ({badgesite.site} <> {localsite.ls_site_name}) then
               FALSE
      else
               TRUE
else
      if {cardholdersite.csi_enable} = 0 then
               FALSE
      else
      if ({enterprise_parameters.enp_name} <> {localsite.ls_site_name}) and
       ({cardholdersite.site} <> {localsite.ls site name}) then
               // Not central site and
               // Cardholder site not local site
               FALSE
      else
               // We are running on the central site or on local site with local records
               TRUE
     )
)
```

When coding reports for a P2000 Enterprise system, any Crystal Reports filtering and table joins should consider that a local **badgesite** record might not exist.

In order to update existing custom reports please note that the following steps must take place after P2000 is upgraded to version 3.0 (or higher):

- Using the Crystal Reports Designer component, you must verify the database by executing the Verify Database function located under the Database menu item on the Crystal Reports Designer toolbar.
- 2. If reporting on Cardholder/Badge records, the table structures outlined in this section must be incorporated by adding in and linking the appropriate table. The **Selection Formula** for the report must also be updated to incorporate the necessary filters as outlined in this section.
- 3. If reporting on site-specific data that is not related to Cardholder or Badge records on a P2000 Enterprise system, where records must be displayed only for the local site that the report is being run on, then the **localsite** table must be added to the report. In addition, the field **ls\_site\_name** must be linked to the corresponding site field on the top level table already existing in the report. An example of such table link is detailed at the beginning of this section.

It is important that if the **localsite** table is linked in the report, a field from the **localsite** table must be utilized on the report, otherwise, by default, Crystal Reports will ignore the link to the **localsite** table. This can be done by including a field from the **localsite** table on the report, and then suppressing the field.

```
CREATE TABLE accgroup
                         INTEGER REFERENCES partition(part number)
 ag partition
                             NOT FOR REPLICATION,
                                                                               -- partition ID to which this cardholder belongs
                         SMALLINT,
 ag_public
                                                                               -- 1 = access group is public, 0 = access group is private
                         INTEGER IDENTITY
 ag_id
                             NOT FOR REPLICATION UNIQUE,
                                                                               -- unique database ID
 ag_name
                         CHAR(32) NOT NULL,
                                                                               -- access group name
                                                                               -- 1 = enabled, - = disabled
 ag enable
                         SMALLINT,
 ag_default_tz
                         INTEGER REFERENCES timezone(tz id)
                                                                               -- default timezone which this cardholder has
                             NOT FOR REPLICATION,
                         CHAR(32) NOT NULL,
 site
                                                                               -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 ag_guid
                                                                               -- Global unique record identifier
 ag_checksum
                         INTEGER NOT NULL,
                                                                               -- Record checksum
 PRIMARY KEY
                        (ag partition, ag id)
 CREATE INDEX
                              ag_public ON accgroup ( ag_public );
 CREATE UNIQUE INDEX
                              ag_site_name ON accgroup (site, ag_name);
CREATE TABLE access group details
                         INTEGER REFERENCES accgroup(ag_id)
 cag_ag_id
                             NOT FOR REPLICATION,
 cag_term_id
                         INTEGER REFERENCES terminal(tp term id)
                             NOT FOR REPLICATION,
                                                                               -- terminal ID
                         INTEGER REFERENCES timezone(tz id)
 cag tz
                             NOT FOR REPLICATION,
 cag_default
                                                                               -- is default value or not
                         SMALLINT,
                         CHAR(32) NOT NULL,
                                                                               -- Site Name
 site
 cag guid
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                               -- Global unique record identifier
                         INTEGER NOT NULL,
 cag checksum
                                                                               -- Record checksum
 PRIMARY KEY
                        (cag ag id, cag term id)
);
CREATE TABLE access_group_details_save
                         INTEGER NOT NULL,
 cag_ag_id
                         INTEGER NOT NULL,
 cag_term_id
                                                                               -- terminal ID
 cag_tz
                         INTEGER,
                                                                               -- is default value or not
 cag_default
                         SMALLINT,
                         CHAR(32) NOT NULL,
                                                                               -- Site Name
 site
                         uniqueidentifier NOT NULL,
                                                                               -- Global unique record identifier
 cag_guid
 cag_checksum
                         INTEGER NOT NULL,
                                                                               -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                               -- Guid for update operation
 upd_mode
                         SMALLINT NOT NULL,
                                                                               -- Update mode (0 - delete, 1 - edit, 2 - new)
                         DATETIME NOT NULL,
                                                                               -- Date / Time of the update
 upd timestamp
 upd checksum
                         INTEGER NOT NULL,
                                                                               -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                             newid() UNIQUE NOT NULL,
                                                                               -- Global unique record identifier
 PRIMARY KEY
                         ( cag_ag_id, cag_term_id, upd_mode desc, upd_guid)
);
CREATE TABLE access_group_number
                         INTEGER REFERENCES accgroup(ag id)
 agn ag id
                             NOT FOR REPLICATION,
 agn_panel_id
                         INTEGER REFERENCES panel(p_panel_id)
                             NOT FOR REPLICATION,
                                                                               -- panel ID
 agn al number
                         SMALLINT,
 agn checksum
                         INTEGER NOT NULL,
                                                                               -- Record checksum
```

PRIMARY KEY

);

(agn\_ag\_id, agn\_panel\_id, agn\_al\_number)

#### CREATE TABLE accgroup\_save ag partition INTEGER NOT NULL, -- partition ID to which this cardholder belongs ag\_public SMALLINT, -- 1 = access group is public, 0 = access group is private $ag\_id$ INTEGER NOT NULL, -- unique database ID ag\_name CHAR(32) NOT NULL, -- access group name SMALLINT, -- 1 = enabled, - = disabled ag enable -- default timezone which this cardholder has ag\_default\_tz INTEGER, CHAR(32) NOT NULL, -- Site Name site ag\_guid uniqueidentifier NOT NULL, -- Global unique record identifier INTEGER NOT NULL, -- Record checksum ag checksum upd guid uniqueidentifier NOT NULL, -- Guid for update operation SMALLINT NOT NULL, upd\_mode -- Update mode (0 - delete, 1 - edit, 2 - new) DATETIME NOT NULL, -- Date / Time of the update upd\_timestamp upd checksum INTEGER NOT NULL, -- Checksum uniqueidentifier ROWGUIDCOL DEFAULT upd rowguid newid() UNIQUE NOT NULL, -- Global unique record identifier PRIMARY KEY ( ag\_partition, ag\_id, upd\_mode desc, upd\_guid) ); **CREATE TABLE** accgrpelevator INTEGER REFERENCES accgroup(ag\_id) age\_ag\_id NOT FOR REPLICATION, -- access group ID INTEGER REFERENCES floorgrp(fg id) age\_grp\_id NOT FOR REPLICATION, -- floor/door group ID site CHAR(32) NOT NULL, -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier age\_guid age\_checksum INTEGER NOT NULL, -- Record checksum PRIMARY KEY ( age\_ag\_id, age\_grp\_id) CREATE TABLE accgrpelevator\_save INTEGER NOT NULL, -- access group ID age\_ag\_id $age\_grp\_id$ INTEGER NOT NULL. -- floor/door group ID CHAR(32) NOT NULL, -- Site Name age guid uniqueidentifier NOT NULL, -- Global unique record identifier age\_checksum INTEGER NOT NULL, -- Record checksum upd\_guid uniqueidentifier NOT NULL, -- Guid for update operation SMALLINT NOT NULL, upd mode -- Update mode (0 - delete, 1 - edit, 2 - new) upd timestamp DATETIME NOT NULL, -- Date / Time of the update upd checksum INTEGER NOT NULL, -- Checksum uniqueidentifier ROWGUIDCOL DEFAULT upd rowguid newid() UNIQUE NOT NULL, -- Global unique record identifier PRIMARY KEY ( age\_ag\_id, age\_grp\_id, upd\_mode desc, upd\_guid) ); **CREATE TABLE** accgrpterm INTEGER REFERENCES accgroup(ag\_id) agt\_ag\_id NOT FOR REPLICATION, -- access group ID INTEGER REFERENCES terminal(tp\_term id) agt\_term\_id NOT FOR REPLICATION, -- terminal ID CHAR(32) NOT NULL, -- Site Name site uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier agt guid agt checksum INTEGER NOT NULL, -- Record checksum PRIMARY KEY ( agt\_ag\_id, agt\_term\_id) CREATE NONCLUSTERED INDEX agt ag id ON accgrpterm(agt ag id ASC);

```
CREATE TABLE accgrptermgrp
                         INTEGER REFERENCES accgroup(ag id)
 agtg ag id
                              NOT FOR REPLICATION,
                                                                                 -- access group ID
                         INTEGER REFERENCES termgrp(tg_id)
 agtg_termgrp_id
                              NOT FOR REPLICATION,
                                                                                 -- terminal group ID
                         CHAR(32) NOT NULL,
 site
                                                                                 -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 agtg_guid
                                                                                 -- Global unique record identifier
 agtg checksum
                         INTEGER NOT NULL,
                                                                                 -- Record checksum
 PRIMARY KEY
                         ( agtg_ag_id, agtg_termgrp_id)
);
 CREATE NONCLUSTERED INDEX
                                         agtg ag id ON accgrptermgrp(agtg ag id ASC);
 CREATE NONCLUSTERED INDEX
                                         agtg_termgrp_id ON accgrptermgrp(agtg_termgrp_id ASC);
CREATE TABLE accgrptermgrp_save
                         INTEGER NOT NULL,
                                                                                 -- access group ID
 agtg ag id
                         INTEGER NOT NULL,
                                                                                 -- terminal group ID
 agtg_termgrp_id
                         CHAR(32) NOT NULL,
                                                                                 -- Site Name
 agtg_guid
                         uniqueidentifier NOT NULL,
                                                                                 -- Global unique record identifier
 agtg checksum
                         INTEGER NOT NULL.
                                                                                 -- Record checksum
 upd guid
                         uniqueidentifier NOT NULL,
                                                                                 -- Guid for update operation
 upd_mode
                         SMALLINT NOT NULL,
                                                                                 -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                         DATETIME NOT NULL,
                                                                                 -- Date / Time of the update
 upd_checksum
                         INTEGER NOT NULL,
                                                                                 -- Checksum
 upd_rowguid
                         uniqueidentifier ROWGUIDCOL
                              DEFAULT newid() UNIQUE NOT NULL,
                                                                                 -- Global unique record identifier
 PRIMARY KEY
                         ( agtg ag id, agtg termgrp id, upd mode desc, upd guid)
);
CREATE TABLE accgrpterm_save
                         INTEGER NOT NULL,
                                                                                 -- access group ID
 agt ag id
                         INTEGER NOT NULL,
                                                                                 -- terminal ID
 agt_term_id
                         CHAR(32) NOT NULL,
                                                                                 -- Site Name
 site
 agt_guid
                         uniqueidentifier NOT NULL.
                                                                                 -- Global unique record identifier
 agt checksum
                         INTEGER NOT NULL,
                                                                                 -- Record checksum
 upd guid
                         uniqueidentifier NOT NULL,
                                                                                 -- Guid for update operation
 upd_mode
                         SMALLINT NOT NULL,
                                                                                 -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                                 -- Date / Time of the update
 upd_timestamp
                         DATETIME NOT NULL,
 upd checksum
                         INTEGER NOT NULL,
                                                                                 -- Checksum
 upd rowguid
                         uniqueidentifier ROWGUIDCOL DEFAULT
                                                                                 -- Global unique record identifier
                              newid() UNIQUE NOT NULL,
 PRIMARY KEY
                         ( agt ag id, agt term id, upd mode desc, upd guid)
);
CREATE TABLE acctpl
                         INTEGER REFERENCES partition(part_number)
 at partition
                                                                                 -- partition ID to which this template belongs
                              NOT FOR REPLICATION,
 at public
                         SMALLINT,
                                                                                 -1 = template is public, 0 = template is private
                         INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                 -- unique database ID
 at id
 at name
                         CHAR(32) NOT NULL,
                                                                                 -- template name
                                                                                 -- 1 = badge is disabled, 0 = badge is enabled
 at disabled
                         SMALLINT,
                         SMALLINT,
                                                                                 -- event priviledge of badge
 at event priv
 at_exec_priv
                         SMALLINT,
                                                                                 -1 = executive privilege, 0 = no executive privilege
```

INTEGER NULL REFERENCES accgroup(ag\_id) NOT FOR REPLICATION,

INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,

INTEGER NULL REFERENCES accgroup(ag\_id) NOT FOR REPLICATION,

at trace

at override

at\_access\_grp\_0

at\_access\_grp\_1 at\_access\_grp\_2 SMALLINT,

SMALLINT,

-1 = badge trace, 0 = no trace

-1 = cardholder override enabled, 0 = override disabled

-- access group 1

-- access group 2

-- access group 3

```
INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
at access grp 3
                                                                                               -- access group 4
at_access_grp_4
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group 5
at_access_grp_5
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group 6
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
at_access_grp_6
                                                                                               -- access group 7
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
at access grp 7
                                                                                               -- access group 8
at_access_tz_0
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                               -- access timezone 1
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
at access tz 1
                                                                                               -- access timezone 2
at access tz 2
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                               -- access timezone 3
at access tz 3
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                               -- access timezone 4
at access tz 4
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                               -- access timezone 5
at_access_tz_5
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                               -- access timezone 6
at_access_tz_6
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                               -- access timezone 7
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
at_access_tz_7
                                                                                               -- access timezone 8
at facility code
                       INTEGER.
                                                                                               -- badge facility code for Cotag panel
at priority
                       SMALLINT,
                                                                                               -- badge priority level
at_special_access_a
                       SMALLINT,
                                                                                               -- special access flag a
at_special_access_b
                       SMALLINT,
                                                                                               -- special access flag b
at_special_access_c
                                                                                               -- special access flag c
                       SMALLINT,
at security level
                       SMALLINT,
                                                                                               -- security level
at interlock1
                       INTEGER.
                                                                                               -- bacnet interlock name1
at_interlock1_value
                       FLOAT,
                                                                                               -- bacnet interlock value1
at interlock2
                       INTEGER,
                                                                                               -- bacnet interlock name2
at_interlock2_value
                                                                                               -- bacnet interlock value2
                       FLOAT,
                       CHAR(32) NOT NULL,
                                                                                               -- Site Name
                       uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                               -- Global unique record identifier
at guid
                                                                                               -- Record checksum
at checksum
                       INTEGER NOT NULL,
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
at_access_grp_8
                                                                                               -- access group # 9
at_access_grp_9
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                                                                                               -- access group # 10
at access grp 10
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                                                                                               -- access group # 11
at_access_grp_11
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group # 12
                                                                                               -- access group # 13
at_access_grp_12
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
at_access_grp_13
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group # 14
at_access_grp_14
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group # 15
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                                                                                               -- access group # 16
at access grp 15
at_access_grp_16
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group # 17
                                                                                               -- access group # 18
at_access_grp_17
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
at access grp 18
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                                                                                               -- access group # 19
at access grp 19
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group # 20
at_access_grp_20
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group # 21
at_access_grp_21
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group # 22
at_access_grp_22
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group # 23
at_access_grp_23
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group # 24
at access grp 24
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                                                                                               -- access group # 25
at_access_grp_25
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group # 26
at_access_grp_26
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group # 27
at_access_grp_27
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group # 28
at access grp 28
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                                                                                               -- access group # 29
at access grp 29
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                                                                                               -- access group # 30
at_access_grp_30
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group # 31
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                               -- access group # 32
at_access_grp_31
at_access_tz_8
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 9
at access tz 9
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                                -- access timezone # 10
at access tz 10
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 11
at_access_tz_11
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 12
at_access_tz_12
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 13
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 14
at access tz 13
at access tz 14
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 15
at access tz 15
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 16
at access tz 16
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 17
at_access_tz_17
                                                                                               -- access timezone # 18
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
at access tz 18
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 19
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
at access tz 19
                                                                                               -- access timezone # 20
at_access_tz_20
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 21
                                                                                               -- access timezone # 22
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
at access tz 21
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 23
at access tz 22
```

```
at access tz 23
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 24
at_access_tz_24
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 25
at_access_tz_25
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 26
at_access_tz_26
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 27
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
at access tz 27
                                                                                               -- access timezone # 28
at_access_tz_28
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 29
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
at access tz 29
                                                                                               -- access timezone # 30
at access tz 30
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 31
at access tz 31
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                               -- access timezone # 32
PRIMARY KEY
                       (at partition, at id)
CREATE INDEX
                             at_public ON acctpl ( at_public );
CREATE UNIQUE INDEX
                             at_name_part ON acctpl (site, at_name, at_partition );
CREATE UNIQUE INDEX
                            at site name ON acctpl (site, at name);
```

### CREATE TABLE acctpl\_save

```
INTEGER NOT NULL,
at_partition
                                                                               -- partition ID to which this template belongs
at_public
                                                                               -- 1 = template is public, 0 = template is private
                         SMALLINT.
                         INTEGER NOT NULL,
at id
                                                                               -- unique database ID
at name
                         CHAR(32) NOT NULL,
                                                                               -- template name
                                                                               -- 1 = badge is disabled, 0 = badge is enabled
at_disabled
                         SMALLINT,
                         SMALLINT,
                                                                               -- event priviledge of badge
at_event_priv
at_exec_priv
                         SMALLINT.
                                                                               -- 1 = executive privilege, 0 = no executive privilege
                         SMALLINT,
                                                                               -1 = badge trace, 0 = no trace
at trace
at override
                         SMALLINT,
                                                                               -- 1 = cardholder override enabled, 0 = override disabled
at_access_grp_0
                         INTEGER NULL,
                                                                               -- access group 1
                         INTEGER NULL,
                                                                               -- access group 2
at_access_grp_1
at access grp 2
                         INTEGER NULL,
                                                                               -- access group 3
at access grp 3
                         INTEGER NULL,
                                                                               -- access group 4
at_access_grp_4
                         INTEGER NULL,
                                                                               -- access group 5
                         INTEGER NULL,
at access grp 5
                                                                               -- access group 6
                         INTEGER NULL.
at_access_grp_6
                                                                               -- access group 7
at_access_grp_7
                         INTEGER NULL,
                                                                               -- access group 8
at access tz 0
                         INTEGER NULL,
                                                                               -- access timezone 1
at access tz 1
                         INTEGER NULL,
                                                                               -- access timezone 2
                         INTEGER NULL,
at access tz 2
                                                                               -- access timezone 3
                         INTEGER NULL,
                                                                               -- access timezone 4
at access tz 3
at access tz 4
                         INTEGER NULL,
                                                                               -- access timezone 5
at_access_tz_5
                         INTEGER NULL,
                                                                               -- access timezone 6
at access tz 6
                         INTEGER NULL,
                                                                               -- access timezone 7
at access tz 7
                         INTEGER NULL.
                                                                               -- access timezone 8
at_facility_code
                         INTEGER,
                                                                               -- badge facility code for Cotag panel
                         SMALLINT,
at priority
                                                                               -- badge priority level
at_special_access_a
                         SMALLINT,
                                                                               -- special access flag a
at_special_access_b
                         SMALLINT,
                                                                               -- special access flag b
                                                                               -- special access flag c
at_special_access_c
                         SMALLINT,
at security level
                         SMALLINT,
                                                                               -- security level
at_interlock1
                         INTEGER,
                                                                               -- bacnet interlock name1
at interlock1 value
                         FLOAT,
                                                                               -- bacnet interlock value1
at interlock2
                         INTEGER
                                                                               -- bacnet interlock name?
at interlock2 value
                                                                               -- bacnet interlock value2
                         FLOAT
                         CHAR(32) NOT NULL,
site
                                                                               -- Site Name
at guid
                         uniqueidentifier NOT NULL,
                                                                               -- Global unique record identifier
                         INTEGER NOT NULL,
                                                                               -- Record checksum
at_checksum
                         uniqueidentifier NOT NULL,
                                                                               -- Guid for update operation
upd_guid
upd mode
                         SMALLINT NOT NULL.
                                                                               -- Update mode (0 - delete, 1 - edit, 2 - new)
upd timestamp
                                                                               -- Date / Time of the update
                         DATETIME NOT NULL,
upd checksum
                         INTEGER NOT NULL,
                                                                               -- Checksum
upd_rowguid
                         uniqueidentifier ROWGUIDCOL DEFAULT
                              newid() UNIQUE NOT NULL,
                                                                               -- Global unique record identifier
                         INTEGER NULL,
                                                                               -- access group #9
at_access_grp_8
at access grp 9
                         INTEGER NULL,
                                                                               -- access group # 10
```

```
INTEGER NULL,
                                                                             -- access group # 11
at access grp 10
at_access_grp_11
                         INTEGER NULL,
                                                                             -- access group # 12
at_access_grp_12
                         INTEGER NULL,
                                                                             -- access group # 13
at_access_grp_13
                         INTEGER NULL,
                                                                             -- access group # 14
                         INTEGER NULL,
                                                                             -- access group # 15
at_access_grp_14
at_access_grp_15
                         INTEGER NULL,
                                                                             -- access group # 16
                                                                             -- access group # 17
at access grp 16
                         INTEGER NULL,
at_access_grp_17
                         INTEGER NULL.
                                                                             -- access group # 18
at access grp 18
                         INTEGER NULL.
                                                                             -- access group # 19
                                                                             -- access group # 20
at access grp 19
                         INTEGER NULL,
at_access_grp_20
                         INTEGER NULL,
                                                                             -- access group # 21
at_access_grp_21
                         INTEGER NULL,
                                                                             -- access group # 22
                                                                             -- access group # 23
at_access_grp_22
                         INTEGER NULL,
at_access_grp_23
                         INTEGER NULL.
                                                                             -- access group # 24
at access grp 24
                         INTEGER NULL,
                                                                             -- access group # 25
at_access_grp_25
                         INTEGER NULL,
                                                                             -- access group # 26
at_access_grp_26
                         INTEGER NULL,
                                                                             -- access group # 27
at_access_grp_27
                         INTEGER NULL,
                                                                             -- access group # 28
at access grp 28
                         INTEGER NULL,
                                                                             -- access group # 29
at access grp 29
                         INTEGER NULL.
                                                                             -- access group # 30
at_access_grp_30
                         INTEGER NULL,
                                                                             -- access group # 31
                                                                             -- access group # 32
                         INTEGER NULL,
at_access_grp_31
at access tz 8
                         INTEGER NULL.
                                                                             -- access timezone # 9
at access tz 9
                         INTEGER NULL,
                                                                             -- access timezone # 10
at access tz 10
                         INTEGER NULL,
                                                                             -- access timezone # 11
                         INTEGER NULL,
at access tz 11
                                                                             -- access timezone # 12
                         INTEGER NULL,
at_access_tz_12
                                                                             -- access timezone # 13
at access tz 13
                         INTEGER NULL,
                                                                             -- access timezone # 14
                         INTEGER NULL,
at access tz 14
                                                                             -- access timezone # 15
at_access_tz_15
                         INTEGER NULL,
                                                                             -- access timezone # 16
at access tz 16
                         INTEGER NULL,
                                                                             -- access timezone # 17
                         INTEGER NULL,
                                                                             -- access timezone # 18
at_access_tz_17
at access tz 18
                         INTEGER NULL,
                                                                             -- access timezone # 19
at access tz 19
                         INTEGER NULL,
                                                                             -- access timezone # 20
at access tz 20
                         INTEGER NULL,
                                                                             -- access timezone # 21
at_access_tz_21
                                                                             -- access timezone # 22
                         INTEGER NULL,
at access tz 22
                         INTEGER NULL,
                                                                             -- access timezone # 23
at access tz 23
                         INTEGER NULL,
                                                                             -- access timezone # 24
at_access_tz_24
                         INTEGER NULL,
                                                                             -- access timezone # 25
at_access_tz_25
                         INTEGER NULL,
                                                                             -- access timezone # 26
at_access_tz_26
                         INTEGER NULL.
                                                                             -- access timezone # 27
at access tz 27
                         INTEGER NULL.
                                                                             -- access timezone # 28
                         INTEGER NULL,
                                                                             -- access timezone # 29
at access tz 28
at_access_tz_29
                         INTEGER NULL,
                                                                             -- access timezone # 30
at_access_tz_30
                        INTEGER NULL,
                                                                             -- access timezone # 31
at access tz 31
                                                                             -- access timezone # 32
                        INTEGER NULL,
                        (at_partition, at_id, upd_mode desc, upd_guid)
PRIMARY KEY
```

### **CREATE TABLE** actioninterlock

ai id INTEGER IDENTITY NOT FOR REPLICATION UNIOUE. -- unique database ID ai\_partition INTEGER REFERENCES partition(part\_number) NOT FOR REPLICATION, -- partition ID to which this alarm action interlock belongs ai public SMALLINT, -- 1 = action interlock is public, 0 = action interlock is private CHAR(32) NOT NULL, ai name -- action interlock name ai\_object\_name CHAR(32) NOT NULL, -- BACnet object name this action interlock will modify SMALLINT NOT NULL, ai object prop - BACnet object attribute this action interlock will modify ai\_prop\_type SMALLINT NOT NULL, -- 1 = Bool, 3 = Long, 4 = Float, 5 = Double, 16 = Byte, 17 = Short ai\_priority SMALLINT NOT NULL, -- The BACnet priority to use when writing to the attribute CHAR(32) NOT NULL. -- Site Name site uniqueidentifier ROWGUIDCOL UNIQUE ai\_guid NOT NULL, -- Global unique record identifier

```
INTEGER NOT NULL,
                                                                          -- Record checksum
 ai checksum
 PRIMARY KEY
                         (ai_partition, ai_id)
 CREATE INDEX
                         ai site name ON actioninterlock (site, ai object name);
CREATE TABLE actioninterlock_save
 ai id
                         INTEGER NOT NULL,
                                                                          -- unique database ID
                         INTEGER NOT NULL.
 ai_partition
                                                                          -- partition ID to which this alarm action interlock belongs
 ai_public
                         SMALLINT,
                                                                          -1 = action interlock is public, 0 = action interlock is private
                         CHAR(32) NOT NULL,
 ai name
                                                                          -- action interlock name
 ai_object_name
                         CHAR(32) NOT NULL,
                                                                          -- BACnet object name this action interlock will modify
                         SMALLINT NOT NULL,
                                                                          -- BACnet object attribute this action interlock will modify
 ai_object_prop
                         SMALLINT NOT NULL,
                                                                          -- 1 = Bool, 3 = Long, 4 = Float, 5 = Double, 16 = Byte, 17 = Short
 ai_prop_type
 ai_priority
                         SMALLINT NOT NULL,
                                                                          -- The BACnet priority to use when writing to the attribute
                         CHAR(32) NOT NULL,
                                                                          -- Site Name
 site
 ai guid
                         uniqueidentifier NOT NULL,
                                                                          -- Global unique record identifier
                         INTEGER NOT NULL,
                                                                          -- Record checksum
 ai_checksum
 upd guid
                         uniqueidentifier NOT NULL,
                                                                          -- Guid for update operation
                         SMALLINT NOT NULL,
                                                                          -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
 upd timestamp
                         DATETIME NOT NULL,
                                                                          -- Date / Time of the update
 upd_checksum
                         INTEGER NOT NULL,
                                                                          -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                              newid() UNIQUE NOT NULL,
                                                                          -- Global unique record identifier
 PRIMARY KEY
                         (ai partition, ai id, upd mode desc, upd guid)
);
CREATE TABLE alarmcategory
                         int IDENTITY NOT FOR REPLICATION UNIQUE NOT NULL,
 ac alarmcategory id
 ac alarmcategory url
                         varchar(256) NOT NULL,
                         int NOT NULL,
 ac checksum
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 ac_guid
 ac default
                         smallint NOT NULL,
 PRIMARY KEY
                         (ac alarmcategory id)
 CREATE UNIQUE INDEX
                               ac_alarmcategory_url ON alarmcategory (ac_alarmcategory_url);
CREATE TABLE alarmcategory_save
 ac alarmcategory id
                         int NOT NULL,
                         varchar (256) NOT NULL,
 ac_alarmcategory_url
                         int NOT NULL,
 ac checksum
 ac_guid
                         uniqueidentifier NOT NULL,
 ac default
                         smallint NOT NULL,
 upd guid
                         uniqueidentifier NOT NULL,
                         smallint NOT NULL,
 upd mode
 upd_timestamp
                         datetime NOT NULL,
 upd_checksum
                         int NOT NULL,
 upd rowguid
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL,
 PRIMARY KEY
                         (ac_alarmcategory_id, upd_guid)
CREATE TABLE alarmcolors
 ac guid
                            uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                 -- Global unique record identifier
 ac priority
                            INTEGER NOT NULL,
                                                                                 -- 0 thru 255
                            INTEGER NOT NULL,
                                                                                 -- Color
 ac_text_color_pending
                            INTEGER NOT NULL,
 ac text color acked
                                                                                 -- Color
 ac_text_color_respond
                            INTEGER NOT NULL,
                                                                                 -- Color
```

```
ac text color complete
                           INTEGER NOT NULL,
                                                                                -- Color
 ac_bkgnd_color_pending
                           INTEGER NOT NULL,
                                                                                -- Color
                                                                                -- Color
 ac_bkgnd_color_acked
                           INTEGER NOT NULL,
 ac bkgnd color respond
                           INTEGER NOT NULL,
                                                                                -- Color
                           INTEGER NOT NULL,
                                                                                -- Color
 ac_bkgnd_color_complete
                           CHAR(32) NOT NULL,
                                                                                -- Site Name
                           INTEGER NOT NULL,
                                                                                -- Record checksum
 ac checksum
 PRIMARY KEY
                           (ac_priority, site)
CREATE TABLE alarmcolors_save
                           uniqueidentifier NOT NULL,
                                                                                -- Global unique record identifier
 ac_guid
 ac_priority
                           INTEGER NOT NULL,
                                                                                -- 0 thru 255
                           INTEGER NOT NULL,
 ac text color pending
                                                                                -- Color
 ac_text_color_acked
                           INTEGER NOT NULL,
                                                                                -- Color
 ac_text_color_respond
                                                                                -- Color
                           INTEGER NOT NULL,
 ac_text_color_complete
                                                                                -- Color
                           INTEGER NOT NULL,
 ac bkgnd color pending
                           INTEGER NOT NULL,
                                                                                -- Color
 ac bkgnd color acked
                                                                                -- Color
                           INTEGER NOT NULL,
 ac bkgnd color respond
                           INTEGER NOT NULL,
                                                                                -- Color
 ac_bkgnd_color_complete
                           INTEGER NOT NULL,
                                                                                -- Color
                           CHAR(32) NOT NULL,
                                                                                -- Site Name
 site
 ac checksum
                           INTEGER NOT NULL.
                                                                                -- Record checksum
 upd guid
                           uniqueidentifier NOT NULL,
                                                                                -- Guid for update operation
 upd mode
                           SMALLINT NOT NULL,
                                                                                -- Update mode (0 - delete, 1 - edit, 2 - new)
                           DATETIME NOT NULL,
 upd_timestamp
                                                                                -- Date / Time of the update
                           INTEGER NOT NULL,
                                                                                -- Checksum
 upd_checksum
 upd rowguid
                           uniqueidentifier ROWGUIDCOL DEFAULT
                              newid() UNIQUE NOT NULL,
                                                                                -- Global unique record identifier
 PRIMARY KEY
                           (ac_priority, site, upd_guid)
);
CREATE TABLE alarmfw
 alarmfw id
                           INTEGER IDENTITY
                              NOT FOR REPLICATION UNIQUE,
                                                                                -- unique database ID
 alarmfw_from_id
                           INTEGER REFERENCES station(stn_id)
                              NOT FOR REPLICATION,
                                                                                -- ID of workstation that is forwarding alarms
 alarmfw_to_id
                            INTEGER REFERENCES station(stn id)
                                                                                -- ID of workstation that will receive forwarded alarms
                              NOT FOR REPLICATION,
 alarmfw mfg id station
                           INTEGER REFERENCES msgfiltergroup(mfg id)
                              NOT FOR REPLICATION,
                                                                                -- ID of station message filter group
 alarmfw_mfg_id_user
                           INTEGER REFERENCES msgfiltergroup(mfg_id)
                              NOT FOR REPLICATION,
                                                                                -- ID of user message filter group
 site
                           CHAR(32) NOT NULL,
                                                                                -- Site Name
                           uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 alarmfw_guid
                                                                                -- Global unique record identifier
                                                                                -- Record checksum
 alarmfw checksum
                           INTEGER NOT NULL,
 PRIMARY KEY
                           (alarmfw_id)
CREATE TABLE alarmfw save
 alarmfw_id
                           INTEGER NOT NULL,
                                                                                -- unique database ID
 alarmfw from id
                           INTEGER NOT NULL,
                                                                                -- ID of workstation that is forwarding alarms
 alarmfw to id
                           INTEGER NOT NULL,
                                                                                -- ID of workstation that will receive forwarded alarms
 alarmfw_mfg_id_station
                           INTEGER,
                                                                                -- ID of station message filter group
                           INTEGER,
                                                                                -- ID of user message filter group
 alarmfw_mfg_id_user
                           CHAR(32) NOT NULL,
                                                                                -- Site Name
 alarmfw_guid
                           uniqueidentifier NOT NULL,
                                                                                -- Global unique record identifier
 alarmfw_checksum
                           INTEGER NOT NULL,
                                                                                -- Record checksum
```

```
uniqueidentifier NOT NULL,
                                                                               -- Guid for update operation
 upd guid
 upd mode
                           SMALLINT NOT NULL,
                                                                               -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                               -- Date / Time of the update
 upd_timestamp
                           DATETIME NOT NULL,
 upd_checksum
                           INTEGER NOT NULL,
                                                                               -- Checksum
                           uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                             newid() UNIQUE NOT NULL,
                                                                                -- Global unique record identifier
 PRIMARY KEY
                           (alarmfw_id, upd_mode desc, upd_guid)
CREATE TABLE AlarmOptions
 alo_alarm_type
                             INTEGER NOT NULL,
                                                                             -- Unique alarm type
 alo_alarm_type_guid
                             uniqueidentifier NOT NULL,
                                                                             -- Unique ID of each instance of this alarm for this alarm type
 alo priority
                             SMALLINT NOT NULL,
                                                                             -- priority
 alo disable_alarm
                             SMALLINT NOT NULL,
                                                                             -- 1 = disable alarm
 alo_popup_alarm
                             SMALLINT NOT NULL,
                                                                             -- 1 = auto popup of alarm monitor for alarm state
 alo_popup_normal
                             SMALLINT NOT NULL,
                                                                             -- 1 = auto popup of alarm monitor for normal state
 alo_popup_others
                             SMALLINT NOT NULL,
                                                                             -- 1 = auto popup of alarm monitor for other states
 alo_inst_alarm
                             INTEGER NULL REFERENCES alrminst(ai id)
                                NOT FOR REPLICATION,
                                                                             -- instruction text ID for Alarm state
 alo inst normal
                             INTEGER NULL REFERENCES alrminst(ai id)
                                NOT FOR REPLICATION,
                                                                             -- instruction text ID for Normal state
                             INTEGER NULL REFERENCES alrminst(ai id)
 alo_inst_others
                                NOT FOR REPLICATION,
                                                                             -- instruction text ID for Other states
 alo event 1
                             INTEGER NULL REFERENCES event(ev id) NOT FOR REPLICATION,
 alo event 2
                             INTEGER NULL REFERENCES event(ev id) NOT FOR REPLICATION,
 alo_event_3
                             INTEGER NULL REFERENCES event(ev_id) NOT FOR REPLICATION,
                             INTEGER NULL REFERENCES event(ev_id) NOT FOR REPLICATION,
 alo event 4
 alo event label 1
                             CHAR(32) NULL,
 alo event label 2
                             CHAR(32) NULL,
 alo event label 3
                             CHAR(32) NULL,
 alo_event_label_4
                             CHAR(32) NULL,
                             INTEGER NULL REFERENCES timezone(tz_id)
 alo_alarm_tz
                                NOT FOR REPLICATION,
                                                                             -- timezone ID when input
                             uniqueidentifier ROWGUIDCOL
 alo guid
                                 UNIQUE NOT NULL,
                                                                             -- Global unique record identifier
                             INTEGER NOT NULL,
                                                                             -- Record checksum
 alo checksum
                             VARCHAR(256) NOT NULL,
 alo category
 alo ack required
                             SMALLINT NOT NULL,
 alo_resp_required
                             SMALLINT NOT NULL,
 alo associated av channel
                             INTEGER NULL REFERENCES avchannel(cch_id) NOT FOR REPLICATION,
                             INTEGER NULL REFERENCES map(map_id) NOT FOR REPLICATION,
 alo_associated_realtime_map
 alo_escalation_category
                             SMALLINT NOT NULL,
                             SMALLINT NOT NULL,
 alo escalation repeat
 alo_escalation_timeout
                             INTEGER NOT NULL,
                                                                             --value (1 to 1440)
                             SMALLINT NOT NULL,
                                                                             -- value (1 to 10)
 alo_escalation_increment
 alo escalation enable
                             SMALLINT NOT NULL,
 alo msea graphic
                             uniqueidentifier NULL REFERENCES mseagraphic(mg guid) NOT FOR REPLICATION.
 PRIMARY KEY
                             ( alo_category, alo_alarm_type, alo_alarm_type_guid )
 CREATE INDEX
                             alo_alarm_type_guid ON AlarmOptions ( alo_alarm_type_guid );
CREATE TABLE AlarmOptions save
```

(		
alo_alarm_type	INTEGER NOT NULL,	Unique alarm type
alo_alarm_type_guid	uniqueidentifier NOT NULL,	Unique ID of each instance of this alarm for this alarm type
alo_priority	SMALLINT,	priority
alo_disable_alarm	SMALLINT NOT NULL,	1 = display in alarm monitor
alo_popup_alarm	SMALLINT NOT NULL,	
alo_popup_normal	SMALLINT NOT NULL,	
alo_popup_others	SMALLINT NOT NULL,	
alo inst alarm	INTEGER NULL,	instruction text ID for Alarm state

```
alo inst normal
                              INTEGER NULL,
                                                                             -- instruction text ID for Normal state
 alo_inst_others
                              INTEGER NULL,
                                                                             -- instruction text ID for Other states
 alo event 1
                              INTEGER NULL,
 alo event 2
                              INTEGER NULL,
 alo event 3
                              INTEGER NULL,
 alo_event_4
                              INTEGER NULL,
 alo event label 1
                              CHAR(32) NULL,
                              CHAR(32) NULL,
 alo event label 2
 alo event label 3
                              CHAR(32) NULL,
 alo event label 4
                              CHAR(32) NULL,
 alo_alarm_tz
                              INTEGER NULL,
                                                                             -- timezone ID when input
                              uniqueidentifier NOT NULL,
 alo_guid
 alo_checksum
                              INTEGER NOT NULL,
                                                                             -- Record checksum
 upd_guid
                              uniqueidentifier NOT NULL.
                                                                             -- Guid for update operation
 upd mode
                              SMALLINT NOT NULL,
                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                              DATETIME NOT NULL,
                                                                             -- Date / Time of the update
                              INTEGER NOT NULL.
 upd_checksum
                                                                             -- Checksum
 upd_rowguid
                              uniqueidentifier ROWGUIDCOL DEFAULT
                                 newid() UNIQUE NOT NULL,
                                                                             -- Global unique record identifier
 alo category
                              VARCHAR(256) NOT NULL,
 alo_ack_required
                              SMALLINT NOT NULL,
 alo_resp_required
                              SMALLINT NOT NULL,
 alo_associated_av_channel
                              INTEGER NULL,
 alo associated realtime map
                              INTEGER NULL,
 alo escalation category
                              SMALLINT NOT NULL,
                              SMALLINT NOT NULL,
 alo escalation repeat
                              INTEGER NOT NULL,
 alo_escalation_timeout
                                                                             --value (1 to 1440)
 alo escalation increment
                              SMALLINT NOT NULL,
                                                                             -- value (1 to 10)
 alo escalation enable
                              SMALLINT NOT NULL,
 alo_msea_graphic
                              uniqueidentifier NULL,
 PRIMARY KEY
                              ( alo category, alo alarm type, alo alarm type guid, upd guid )
);
CREATE TABLE alarmresptext
 rt partition
                          INTEGER REFERENCES partition(part_number)
                              NOT FOR REPLICATION,
                                                                                   -- partition ID to which this alarm response text belongs
 rt public
                          SMALLINT,
                                                                                   -- 1 = access group is public, 0 = access group is private
                          INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                   -- unique database ID
 rt id
 rt_name
                          CHAR(32) NOT NULL,
                                                                                   -- response text name
 rt text
                          CHAR(255) NOT NULL,
                                                                                   -- response text
                          CHAR(32) NOT NULL.
                                                                                   -- Site Name
 site
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 rt_guid
                                                                                   -- Global unique record identifier
 rt checksum
                          INTEGER NOT NULL,
                                                                                   -- Record checksum
 PRIMARY KEY
                          ( rt_partition, rt_id )
 CREATE INDEX
                          rt site name ON alarmresptext (site, rt name);
CREATE TABLE alarmresptext_save
                                                                             -- partition ID to which this alarm response text belongs
 rt_partition
                          INTEGER NOT NULL,
 rt_public
                          SMALLINT,
                                                                             -- 1 = access group is public, 0 = access group is private
 rt_id
                          INTEGER.
                                                                             -- unique database ID
                         CHAR(32) NOT NULL,
 rt name
                                                                             -- response text name
 rt_text
                          CHAR(255) NOT NULL,
                                                                             -- response text
                         CHAR(32) NOT NULL,
                                                                             -- Site Name
 site
 rt guid
                         uniqueidentifier UNIQUE NOT NULL,
                                                                             -- Global unique record identifier
 rt checksum
                          INTEGER NOT NULL.
                                                                             -- Record checksum
 upd guid
                                                                             -- Guid for update operation
                          uniqueidentifier NOT NULL,
 upd_mode
                          SMALLINT NOT NULL,
                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                          DATETIME NOT NULL,
                                                                             -- Date / Time of the update
 upd_checksum
                          INTEGER NOT NULL,
                                                                             -- Checksum
```

```
uniqueidentifier ROWGUIDCOL DEFAULT
 upd rowguid
                               newid() UNIQUE NOT NULL,
                                                                               -- Global unique record identifier
 PRIMARY KEY
                          ( rt_partition, rt_id, upd_mode desc, upd_guid)
);
CREATE TABLE alarms
 al alarm id
                                INTEGER IDENTITY NOT FOR
                                  REPLICATION PRIMARY KEY,
                                                                     -- Unique database ID of this alarm
 al_alarm_type
                                INTEGER NOT NULL,
                                                                     -- Unique alarm type
                                INTEGER NOT NULL,
                                                                     -- Unique ID of each instance of this alarm for this alarm type
 al alarm type id
 al_ack_required
                                SMALLINT NOT NULL,
                                                                     -- This alarm needs acked by an operator before it can be completed
 al_instruction_text
                                                                     -- Optional, Instruction text not used unless m_dwInstructionTextID = 0
                                VARCHAR(512) NULL,
 al alarm state
                                SMALLINT NOT NULL,
                                                                      -- Completed = 1, Responding = 2, Acked = 3, Pending = 4, Unknown = 5
 al state time
                                DATETIME NOT NULL,
                                                                      -- Time this alarm entered the current AlarmState
 al_severity
                                SMALLINT NOT NULL,
                                                                      -- Severity (1=highest) of the alarm
 al_condition_state
                                SMALLINT NOT NULL,
                                                                     -- See Alarm Condition States (-1 = N/A)
                                                                     -- See Alarm Condition States (-1 = N/A)
 al_condition_completion_state
                               SMALLINT NOT NULL,
 al condition time
                                                                     -- Time of the original alarm
                                DATETIME NOT NULL,
 al filter string
                                VARCHAR(512) NULL,
                                                                     -- BACnet filter string
 al popup
                                SMALLINT NOT NULL,
                                                                     -- Should this alarm pop to the front
                                                                      -- Last operator to change this alarm state only used if m_ulOperatorID = 0
 al_operator_name
                                VARCHAR(512) NULL,
 al_description
                                VARCHAR(1024) NOT NULL,
                                                                      -- To show on report
 al extra
                                IMAGE NULL.
                                                                      -- Binary data specific to certain alarm types
                                CHAR(32) NULL,
                                                                      -- Site name of this alarm originated
 site
 al operator site name
                                CHAR(32) NULL,
                                                                      -- Site name of this alarm acknowleged
 al_partition
                               CHAR(32) NULL,
                                                                     -- Partition name of this alarm
                                SMALLINT NOT NULL,
 al_public
                                                                      -0 = private, 1 = public
 al guid
                                uniqueidentifier DEFAULT newid()
                                  ROWGUIDCOL UNIQUE NOT NULL,
 al condition segno
                                INTEGER NOT NULL,
                                                                      -- Condition sequence number
                                                                     -- Record Checksum
 al checksum
                               INTEGER NOT NULL,
                                                                     -- the Alarm Category for this alarm
 al_category
                                CHAR(255) NOT NULL,
 al escalation level
                                SMALLINT NOT NULL,
                                                                      -- Escalation Level (0 - 10)
 al alarm type guid
                                uniqueidentifier NULL,
                                                                      -- Unique GUID of each instance of this alarm for this alarm type
 al_resp_required
                                SMALLINT NOT NULL,
                                                                     -- This alarm needs responded by an operator before it can be completed
 al_alarm_options_guid
                               uniqueidentifier NULL,
                                                                     -- Unique GUID of the alarm options for this alarm
 CREATE INDEX
                                severity_state_time ON alarms ( al_condition_time, al_severity );
 CREATE INDEX
                                state_flag ON alarms ( al_alarm_state );
 CREATE INDEX
                               alarm site ON alarms (site);
 CREATE INDEX
                               alarm partition ON alarms (al partition);
 CREATE INDEX
                               alarm public ON alarms (al public);
 CREATE INDEX
                               alarm guid ON alarms (al guid);
CREATE TABLE
                     alarms_hist
                                INTEGER IDENTITY NOT FOR
 ah alarm hist id
                                  REPLICATION PRIMARY KEY,
                                                                      -- unique ID of this alarm hist record
 ah_alarm_id
                                INTEGER NOT NULL,
                                                                      -- alarm ID
 ah_alarm_type
                                INTEGER NOT NULL,
                                                                      -- Unique alarm type
 ah_alarm_type_id
                                INTEGER NOT NULL,
                                                                      -- Unique instance id for this alarm type
 ah severity
                                SMALLINT NOT NULL,
                                                                      -- Severity (1=highest) of the alarm
                                                                      -- See Alarm Condition States (-1 = N/A)
 ah condition state
                                SMALLINT NOT NULL,
 ah_condition_completion_state
                                SMALLINT NOT NULL,
                                                                      -- See Alarm Condition States (-1 = N/A)
 ah_condition_timestamp
                                                                      -- Time of the original alarm
                                DATETIME NOT NULL,
 ah_description_string
                                                                      -- Description of this alarm state
                                VARCHAR(1024) NOT NULL,
 ah state time
                                DATETIME NOT NULL.
                                                                      -- Time this alarm entered the current AlarmState
 ah alarm state
                                                                      -- Completed = 1, Responding = 2, Acked = 3, Pending = 4, Unknown = 5
                                SMALLINT NOT NULL,
 ah_operator_name
                                VARCHAR(512) NULL,
                                                                      -- Last operator to change this alarm state (if applicable)
```

-- site name

CHAR(32) NULL,

CHAR(32) NULL,

site

ah\_operator\_site\_name

-- site name of the operator who responded this alarm

```
ah partition
                               CHAR(32) NULL,
                                                                     -- partition name
 ah_public
                               SMALLINT NOT NULL,
                                                                     -- 0 = private, 1 = public
 ah_alarm_guid
                               uniqueidentifier,
                                                                     -- alarm uniqueidentifier
 ah condition seqno
                               INTEGER NOT NULL,
                                                                     -- Condition sequence number
                               uniqueidentifier ROWGUIDCOL
 ah_guid
                                  UNIQUE NOT NULL,
                                                                     -- Global unique record identifier
 ah checksum
                               INTEGER NOT NULL,
                                                                     -- Record checksum
                               CHAR(255) NOT NULL,
 ah_category
                                                                     -- the Alarm Category for this alarm
                               SMALLINT NOT NULL,
 ah escalation level
                                                                     -- Escalation Level (0 - 10)
 ah_alarm_type_guid
                                                                     -- Unique GUID of each instance of this alarm for this alarm type
                               uniqueidentifier NULL,
 CREATE INDEX
                               alarm_id ON alarms_hist ( ah_alarm_id );
 CREATE INDEX
                               alarm_timestamp ON alarms_hist ( ah_condition_timestamp );
                               alarm guid ON alarms hist (ah_alarm_guid);
 CREATE INDEX
 CREATE INDEX
                               alarm site ON alarms hist (site);
                               alarm_public ON alarms_hist ( ah_public );
 CREATE INDEX
 CREATE INDEX
                               alarm_partition ON alarms_hist ( ah_partition );
 CREATE INDEX
                               alarm type ON alarms hist (ah alarm type);
                               alarm type id ON alarms_hist ( ah_alarm_type_id );
 CREATE INDEX
CREATE TABLE alrminst
 ai_partition
                          INTEGER REFERENCES partition(part_number)
                                                                                     -- partition ID to which this alarm instruction belongs
                              NOT FOR REPLICATION.
 ai public
                          SMALLINT.
                                                                                     -- 1 = access group is public, 0 = access group is private
                          INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
 ai id
                                                                                     -- unique database ID
 ai_name
                          CHAR(32) NOT NULL,
                                                                                     -- alarm instruction name
                          CHAR(255) NOT NULL,
                                                                                     -- alarm instruction text
 ai_text
 site
                          CHAR(32) NOT NULL,
                                                                                     -- Site Name
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 ai guid
                                                                                     -- Global unique record identifier
 ai checksum
                          INTEGER NOT NULL,
                                                                                     -- Record checksum
 PRIMARY KEY
                         (ai partition, ai id)
);
 CREATE UNIQUE INDEX
                                ai site name ON alrminst (site, ai name);
CREATE TABLE alrminst save
 ai_partition
                          INTEGER NOT NULL,
                                                                                   -- partition ID to which this alarm instruction belongs
 ai_public
                          SMALLINT,
                                                                                   -- 1 = access group is public, 0 = access group is private
 ai id
                          INTEGER NOT NULL,
                                                                                   -- unique database ID
 ai name
                          CHAR(32) NOT NULL,
                                                                                   -- alarm instruction name
 ai text
                          CHAR(255) NOT NULL,
                                                                                   -- alarm instruction text
                          CHAR(32) NOT NULL,
                                                                                   -- Site Name
 site
 ai guid
                          uniqueidentifier NOT NULL,
                                                                                   -- Global unique record identifier
 ai checksum
                          INTEGER NOT NULL,
                                                                                   -- Record checksum
 upd_guid
                          uniqueidentifier NOT NULL,
                                                                                   -- Guid for update operation
                          SMALLINT NOT NULL,
                                                                                   -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_mode
                                                                                   -- Date / Time of the update
                          DATETIME NOT NULL,
 upd timestamp
                          INTEGER NOT NULL,
 upd checksum
                                                                                   -- Checksum
 upd_rowguid
                          uniqueidentifier ROWGUIDCOL DEFAULT
                             newid() UNIQUE NOT NULL,
                                                                                   -- Global unique record identifier
 PRIMARY KEY
                          (ai_partition, ai_id, upd_mode desc, upd_guid)
);
CREATE TABLE airm_resp
 id
                          INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY,
                                                                                          -- unique database ID
                          INTEGER.
 alarm id
                                                                                          -- unique id of alarm
 action time
                          DATETIME,
                                                                                          -- time when input point changed state
                          CHAR(255),
                                                                                          -- response text
 username
                          CHAR(33),
                                                                                          -- user who entered this response
```

```
DATETIME,
 timestamp
                                                                                       -- time that the response was made
                         CHAR(32) NOT NULL,
                                                                                       -- Site Name
 site
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                       -- Global unique record identifier
 guid
                         INTEGER NOT NULL,
                                                                                       -- Record checksum
 checksum
 CREATE INDEX
                         alrm_resp_timestamp ON alrm_resp ( action_time );
CREATE TABLE [area2terminals]
                         uniqueidentifier ROWGUIDCOL NOT NULL,
 [a2t_guid]
                         [int] NOT NULL,
 [a2t area id]
 [a2t_terminal_id]
                         [int] NOT NULL,
 [a2t_area_name]
                         [char] (64) NOT NULL,
 [a2t terminal name]
                         [char] (64) NOT NULL
) ON [PRIMARY]
  ALTER TABLE [area2terminals] WITH NOCHECK ADD
                         CONSTRAINT [PK_area2terminals] PRIMARY KEY CLUSTERED
                                  [a2t guid]
                         ) ON [PRIMARY]
 ALTER TABLE [area2terminals] ADD
                         CONSTRAINT [DF_area2terminals_a2t_guid] DEFAULT (newid()) FOR [a2t_guid]
CREATE TABLE area configuration
                              INTEGER REFERENCES partition(part number)
 ac partition
                                NOT FOR REPLICATION,
                                                                                   -- partition ID to which this area belongs
                              SMALLINT,
 ac_public
                                                                                   -1 = area is public, 0 = area is private
 ac_area_id
                              INTEGER IDENTITY NOT FOR
                                REPLICATION UNIQUE,
                                                                                   -- unique database ID
                              char(32) NOT NULL,
                                                                                   -- area name
 ac area name
 ac_description
                              char(64),
 ac_type
                              SMALLINT NOT NULL,
                                                                                  --0 = Access, 1 = Facility, 2 = Parking
                              SMALLINT NOT NULL,
                                                                                   -- 0 = Count All, 1 = Count Access, 2 = Count Input
 ac_entry_mode
 ac exit mode
                              SMALLINT NOT NULL,
                                                                                   -- 0 = Count All, 1 = Count Access, 2 = Count Input
 ac pre max
                              INTEGER,
                                                                                   -- Pre Max Allowed
                                                                                   -- Max Allowed
 ac max
                              INTEGER,
                                                                                   -- Min Required
 ac_min
                              INTEGER,
                                                                                   -- Correction to the previous three number
 ac correction
                              INTEGER.
                              SMALLINT NOT NULL,
 ac_popup_on_max_alarm
                                                                                   --0 = do not pop up, 1 = pop up on alarm
                                                                                   -2 = pop up on secure, 3 = pop up on both
 ac_popup_on_min_alarm
                              SMALLINT NOT NULL,
                                                                                   -- Same for the status alarm
                              SMALLINT NOT NULL,
                                                                                   -- Same for the status alarm
 ac_popup_on_premax_alarm
 ac_max_alarm_text_set_id
                              INTEGER NULL REFERENCES alrminst(ai id)
                                NOT FOR REPLICATION,
                                                                                   -- Max alarm set instruction text ID if not null
 ac_max_alarm_text_sec_id
                              INTEGER NULL REFERENCES alrminst(ai id)
                                                                                   -- Max alarm secure instruction text
                                NOT FOR REPLICATION,
 ac_min_alarm_text_set_id
                              INTEGER NULL REFERENCES alrminst(ai id)
                                NOT FOR REPLICATION,
                                                                                   -- Same for the max alarm
 ac_min_alarm_text_sec_id
                              INTEGER NULL REFERENCES alrminst(ai_id)
                                NOT FOR REPLICATION,
                                                                                   -- Etc.
                             INTEGER NULL REFERENCES alrminst(ai_id)
 ac_premax_alarm_text_set_id
                                NOT FOR REPLICATION,
                                                                                   -- Same for the max alarm
 ac premax alarm text sec id INTEGER NULL REFERENCES alrminst(ai id)
                                NOT FOR REPLICATION,
                                                                                   -- Etc
                              CHAR(32) NOT NULL,
                                                                                   -- Site Name
 site
                              uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                   -- Global unique record identifier
 ac_guid
 ac checksum
                              INTEGER NOT NULL.
                                                                                   -- Record checksum
 PRIMARY KEY
                              (ac partition, ac area id)
 CREATE UNIQUE INDEX
                              ac_site_name ON area_configuration (site, ac_area_name);
```

## CREATE TABLE area\_configuration\_save ac partition

ac\_public SMALLINT, ac\_area\_id char(32) NOT NULL, ac\_area\_name ac description char(64),

ac\_type ac entry mode ac exit mode ac\_pre\_max INTEGER,

ac max ac\_min ac\_correction

ac\_popup\_on\_max\_alarm ac\_popup\_on\_min\_alarm

ac\_popup\_on\_premax\_alarm ac\_max\_alarm\_text\_set\_id ac max alarm text sec id ac min alarm text set id ac min alarm text sec id ac\_premax\_alarm\_text\_set\_id ac\_premax\_alarm\_text\_sec\_id site

ac guid ac checksum upd\_guid upd\_mode upd timestamp upd checksum

upd rowguid PRIMARY KEY INTEGER NOT NULL,

INTEGER NOT NULL,

SMALLINT NOT NULL, SMALLINT NOT NULL, SMALLINT NOT NULL,

INTEGER, INTEGER, INTEGER,

SMALLINT NOT NULL,

SMALLINT NOT NULL, SMALLINT NOT NULL, INTEGER NULL, INTEGER NULL, INTEGER NULL, INTEGER NULL, INTEGER NULL, INTEGER NULL, CHAR(32) NOT NULL. uniqueidentifier NOT NULL,

INTEGER NOT NULL, uniqueidentifier NOT NULL, SMALLINT NOT NULL, DATETIME NOT NULL, INTEGER NOT NULL,

uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL,

(ac\_partition, ac\_area\_id, upd\_mode desc, upd\_guid)

-- partition ID to which this area belongs -1 = area is public, 0 = area is private

-- unique database ID -- area name

-- 0 = Access, 1 = Facility, 2 = Parking

-- 0 = Count All, 1 = Count Access, 2 = Count Input -- 0 = Count All, 1 = Count Access, 2 = Count Input

-- Pre Max Allowed -- Max Allowed -- Min Required

-- Correction to the previous three number -- 0 = do not pop up, 1 = pop up on alarm-2 = pop up on secure, 3 = pop up on both

-- Same for the status alarm -- Same for the status alarm

-- Max alarm set instruction text ID if not null -- Max alarm secure instruction text -- Same for the max alarm

-- Etc.

-- Same for the max alarm

-- Etc -- Site Name

-- Global unique record identifier

-- Record checksum -- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Date / Time of the update

-- Checksum

-- Global unique record identifier

## **CREATE TABLE** area details

ad\_area\_id INTEGER REFERENCES area\_configuration (ac\_area\_id) NOT FOR REPLICATION, INTEGER NOT NULL, ad control id ad type SMALLINT NOT NULL, ad mode SMALLINT NOT NULL, CHAR(32) NOT NULL, site ad\_guid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,

ad checksum INTEGER NOT NULL, PRIMARY KEY (ad\_area\_id, ad\_control\_id, ad\_type, ad\_mode)

CREATE INDEX ad area id ON area details (ad area id);

### --the terminal, termgrp, input, inputgrp ID

--0 = Terminal, 1 = TermGrp, 2 = Input, 3 = InputGrp

-1 = In, 2 = Out-- Site Name

-- Global unique record identifier

-- Record checksum

## CREATE TABLE area\_details\_save

ad area id INTEGER NOT NULL, ad control id INTEGER NOT NULL. SMALLINT NOT NULL, ad\_type ad mode SMALLINT NOT NULL, site CHAR(32) NOT NULL, ad\_guid uniqueidentifier NOT NULL, ad checksum INTEGER NOT NULL, upd guid uniqueidentifier NOT NULL, upd\_mode SMALLINT NOT NULL, upd\_timestamp DATETIME NOT NULL,

--the terminal, termgrp, input, inputgrp ID

--0 = Terminal, 1 = TermGrp, 2 = Input, 3 = InputGrp

-1 = In, 2 = Out-- Site Name

-- Global unique record identifier

-- Record checksum -- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Date / Time of the update

```
upd checksum
                          INTEGER NOT NULL,
                                                                                     -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                            newid() UNIQUE NOT NULL,
                                                                                     -- Global unique record identifier
 PRIMARY KEY
                          (ad area id, ad control id, ad type, ad mode, upd mode desc, upd guid)
);
CREATE TABLE area_layout
 al_partition
                            INTEGER REFERENCES partition(part number)
                               NOT FOR REPLICATION,
                                                                                     -- partition ID to which this area layout belongs
                                                                                     -1 = area layout is public, 0 = area layout is private
 al public
                            SMALLINT.
                            INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
 al_id
                                                                                     -- unique database ID
                            char(32) NOT NULL,
 al name
                                                                                     -- area layout name
 al description
                            char(64),
                            CHAR(32) NOT NULL,
 site
                                                                                     -- Site Name
                            uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 al_guid
                                                                                     -- Global unique record identifier
 al checksum
                            INTEGER NOT NULL,
                                                                                     -- Record checksum
 PRIMARY KEY
                            (al_partition, al_id)
 CREATE UNIQUE INDEX
                                al site name ON area layout (site, al name);
CREATE TABLE area_layout_data
                          INTEGER REFERENCES area_layout(al_id) NOT FOR REPLICATION, -- area layout ID
 ald id
 ald item id
                          INTEGER.
                                                                                            -- negtive = FN, LN, Badge, Company, Dept,
                                                                                             DateTime; otherwise the UDF id
 ald name
                          char(32),
                                                                                            -- name of the items
                          SMALLINT NOT NULL,
 ald order
                                                                                           -- item order
 ald width
                          INTEGER.
                                                                                           -- width of the column
 site
                          CHAR(32) NOT NULL,
                                                                                           -- Site Name
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 ald guid
                                                                                           -- Global unique record identifier
                          INTEGER NOT NULL,
                                                                                           -- Record checksum
 ald checksum
 PRIMARY KEY
                         (ald_id, ald_item_id, ald_name)
CREATE TABLE area layout data save
 ald id
                          INTEGER,
                                                                                   -- area layout ID
                                                                                   -- negtive = FN, LN, Badge, Company, Dept, DateTime;
 ald_item_id
                          INTEGER,
                                                                                     otherwise the UDF id
 ald name
                          char(32),
                                                                                   -- name of the items
                          SMALLINT NOT NULL,
 ald order
                                                                                   -- item order
                          INTEGER,
                                                                                   -- width of the column
 ald width
                          CHAR(32) NOT NULL,
                                                                                   -- Site Name
 site
                          uniqueidentifier NOT NULL,
                                                                                   -- Global unique record identifier
 ald guid
 ald checksum
                          INTEGER NOT NULL,
                                                                                   -- Record checksum
                          uniqueidentifier NOT NULL,
 upd_guid
                                                                                   -- Guid for update operation
                         SMALLINT NOT NULL,
                                                                                   -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_mode
                         DATETIME NOT NULL,
                                                                                   -- Date / Time of the update
 upd_timestamp
 upd checksum
                          INTEGER NOT NULL,
                                                                                   -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                                   -- Global unique record identifier
 PRIMARY KEY
                         (ald_id, ald_item_id, ald_name, upd_mode desc, upd_guid)
CREATE TABLE area_layout_save
 al_partition
                          INTEGER NOT NULL,
                                                                             -- partition ID to which this area layout belongs
 al public
                         SMALLINT,
                                                                             -1 = area layout is public, 0 = area layout is private
 al id
                          INTEGER NOT NULL,
                                                                             -- unique database ID
```

```
al name
                         char(32) NOT NULL,
                                                                           -- area layout name
 al description
                         char(64),
                         CHAR(32) NOT NULL,
 site
                                                                           -- Site Name
                         uniqueidentifier NOT NULL,
                                                                           -- Global unique record identifier
 al guid
                         INTEGER NOT NULL,
                                                                           -- Record checksum
 al checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                           -- Guid for update operation
                         SMALLINT NOT NULL,
                                                                           -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
                         DATETIME NOT NULL,
                                                                           -- Date / Time of the update
 upd_timestamp
 upd checksum
                         INTEGER NOT NULL,
                                                                           -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT
 upd rowguid
                            newid() UNIQUE NOT NULL,
                                                                           -- Global unique record identifier
 PRIMARY KEY
                         (al_partition, al_id, upd_mode desc, upd_guid)
CREATE TABLE area_status
                         INTEGER REFERENCES area_configuration (ac_area_id)
 area_status_area_id
                            NOT FOR REPLICATION,
                         INTEGER.
                                                                                -- counter for the area
 area status counter
                         SMALLINT NOT NULL,
                                                                                -- 0 = Normal, 1 = Pre Max Alarmed, 2 = Max Alarmed,
 area status status
                                                                                  3 = Min Alarmed
                         DATETIME,
                                                                                -- time the record was last changed.
 area_status_update
                         INTEGER REFERENCES area_layout (al_id)
 area_status_layout
                            NOT FOR REPLICATION,
                                                                                -- the layout id
                         CHAR(32) NOT NULL,
                                                                                -- Site Name
 site
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 area status guid
                                                                                -- Global unique record identifier
 area_status_checksum
                         INTEGER NOT NULL,
                                                                                -- Record checksum
 PRIMARY KEY
                         (area_status_area_id)
CREATE TABLE area_status_data
                         INTEGER NOT NULL REFERENCES area_configuration
 asd_area_id
                            (ac area id) NOT FOR REPLICATION,
 asd area type
                         SMALLINT NOT NULL,
                                                                                         -- area type
 asd badge
                         VARCHAR(100) NOT NULL REFERENCES badge (b number str)
                            NOT FOR REPLICATION,
                                                                                         -- badge number
 asd datetime
                         DATETIME NOT NULL,
                                                                                         -- time the record was last changed.
                         INTEGER NULL REFERENCES terminal (tp_term_id)
 asd control
                            NOT FOR REPLICATION,
                                                                                         -- the control id
 site
                         CHAR(32) NOT NULL,
                                                                                         -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 asd guid
                                                                                         -- Global unique record identifier
 asd checksum
                         INTEGER NOT NULL,
                                                                                         -- Record checksum
 PRIMARY KEY
                         (asd_area_id, asd_area_type, asd_badge)
 CREATE INDEX
                         asd_area_id ON area_status_data (asd_area_id);
CREATE TABLE assaabloy
 assa extended access flag
                                     INTEGER NOT NULL,
 assa_override_deadbolt_flag
                                     INTEGER NOT NULL,
 assa\_wakeup\_communication\_flag
                                     INTEGER NOT NULL,
 assa_badge_format
                                     varchar(4096) NULL,
 site
                                     CHAR(32) NOT NULL,
                                     uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL,
 assa guid
 assa checksum
                                     INTEGER NOT NULL,
 PRIMARY KEY
                                     (assa_guid)
```

## CREATE TABLE assaabloy\_authorization

(		
	[assabsa_badge_number	VARCHAR(100) NOT NULL PRIMARY KEY,
	[assabsa_authorization_0]	[uniqueidentifier] NULL,
	[assabsa_authorization_1]	[uniqueidentifier] NULL,
		[uniqueidentifier] NULL,
		[uniqueidentifier] NULL,
		[uniqueidentifier] NULL,
	[assabsa_authorization_5]	[uniqueidentifier] NULL,
	[assabsa_authorization_6]	[uniqueidentifier] NULL,
	[assabsa_authorization_7]	[uniqueidentifier] NULL,
		[uniqueidentifier] NULL,
		[uniqueidentifier] NULL,
	[assabsa_authorization_10]	[uniqueidentifier] NULL,
	[assabsa_authorization_11]	[uniqueidentifier] NULL,
	[assabsa_authorization_12]	[uniqueidentifier] NULL,
	[assabsa_authorization_13]	[uniqueidentifier] NULL,
	[assabsa_authorization_14]	[uniqueidentifier] NULL,
	[assabsa_authorization_15]	[uniqueidentifier] NULL,
	[assabsa_authorization_16]	[uniqueidentifier] NULL,
	[assabsa_authorization_17]	[uniqueidentifier] NULL,
	[assabsa_authorization_18]	[uniqueidentifier] NULL,
	[assabsa_authorization_19]	[uniqueidentifier] NULL,
	[assabsa_authorization_20]	[uniqueidentifier] NULL,
	[assabsa_authorization_21]	[uniqueidentifier] NULL,
	[assabsa_authorization_22]	[uniqueidentifier] NULL,
	[assabsa_authorization_23]	[uniqueidentifier] NULL,
	[assabsa_authorization_24]	[uniqueidentifier] NULL,
	[assabsa_authorization_25]	[uniqueidentifier] NULL,
	[assabsa_authorization_26]	[uniqueidentifier] NULL,
	[assabsa_authorization_27]	[uniqueidentifier] NULL,
	[assabsa_authorization_28]	[uniqueidentifier] NULL,
	[assabsa_authorization_29]	[uniqueidentifier] NULL,
	[assabsa_authorization_30]	[uniqueidentifier] NULL,
	[assabsa_authorization_31]	[uniqueidentifier] NULL,
	[assabsa_authorization_32]	[uniqueidentifier] NULL,
	[assabsa_authorization_33]	[uniqueidentifier] NULL,
	[assabsa_authorization_34]	[uniqueidentifier] NULL,
	[assabsa_authorization_35]	[uniqueidentifier] NULL,
	[assabsa_authorization_36]	[uniqueidentifier] NULL,
	[assabsa_authorization_37]	[uniqueidentifier] NULL,
	[assabsa_authorization_38]	[uniqueidentifier] NULL,
	[assabsa_authorization_39]	[uniqueidentifier] NULL,
	[assabsa_authorization_40]	[uniqueidentifier] NULL,
	[assabsa_authorization_41]	[uniqueidentifier] NULL,
	[assabsa_authorization_42]	[uniqueidentifier] NULL,
	[assabsa_authorization_43]	[uniqueidentifier] NULL,
	[assabsa_authorization_44]	[uniqueidentifier] NULL,
	[assabsa_authorization_45]	[uniqueidentifier] NULL,
	[assabsa_authorization_46]	[uniqueidentifier] NULL,
	[assabsa_authorization_47]	[uniqueidentifier] NULL,
	[assabsa_authorization_48]	[uniqueidentifier] NULL,
	[assabsa_authorization_49]	[uniqueidentifier] NULL,
	[assabsa_authorization_50]	[uniqueidentifier] NULL,
	[assabsa_authorization_51]	[uniqueidentifier] NULL,
	[assabsa_authorization_52]	[uniqueidentifier] NULL,

```
[assabsa authorization 61]
                                   [uniqueidentifier] NULL,
 [assabsa_authorization_62]
                                   [uniqueidentifier] NULL,
 [assabsa_authorization_63]
                                   [uniqueidentifier] NULL
CREATE TABLE assaabloy_badgeformat
 aabf name
                              VARCHAR(32) NOT NULL,
                                                                                -- badge format name
 aabf_technology
                             INTEGER NOT NULL,
                                                                                -- badge technology (0 = not specified, 1 = MagStripe,
                                                                                  2 = Prox, 3 = IClass, 4 = SmartCard)
                             INTEGER NOT NULL,
                                                                                -- number of bits in badge format
 aabf bits
                             INTEGER NOT NULL,
 aabf_qualifier
                                                                                -- qualifier of badge format
                              VARCHAR(4096) NOT NULL,
 aabf_badge_format
                                                                                -- badge format
                              VARCHAR(32) NOT NULL,
                                                                                -- Site Name
 site
                             uniqueidentifier ROWGUIDCOL DEFAULT
 aabf guid
                                newid() UNIQUE NOT NULL,
                                                                                -- Global unique record identifier
                             INTEGER NOT NULL,
                                                                                -- Record checksum
 aabf checksum
 PRIMARY KEY
                             (aabf_technology, aabf_bits, aabf_qualifier)
);
CREATE TABLE assaabloy_badgeformat_save
 aabf name
                             VARCHAR(32) NOT NULL,
                                                                                -- badge format name
 aabf_technology
                             INTEGER NOT NULL,
                                                                                -- badge technology (0 = not specified, 1 = MagStripe,
                                                                                  2 = Prox, 3 = IClass, 4 = SmartCard)
 aabf bits
                             INTEGER NOT NULL,
                                                                                -- number of bits in badge format
 aabf_qualifier
                             INTEGER NOT NULL,
                                                                                -- qualifier of badge format
                             VARCHAR(4096) NOT NULL,
                                                                                -- badge format
 aabf\_badge\_format
                             VARCHAR(32) NOT NULL,
                                                                                -- Site Name
 site
 aabf guid
                             uniqueidentifier NOT NULL,
                                                                                -- Global unique record identifier
 aabf checksum
                             INTEGER NOT NULL,
                                                                                -- Record checksum
                             uniqueidentifier NOT NULL,
                                                                                -- Guid for update operation
 upd guid
                             SMALLINT NOT NULL,
                                                                                -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_mode
 upd timestamp
                             DATETIME NOT NULL.
                                                                                -- Date / Time of the update
 upd checksum
                             INTEGER NOT NULL,
                                                                                -- Checksum
                             uniqueidentifier ROWGUIDCOL DEFAULT
 upd rowguid
                                newid() UNIQUE NOT NULL,
                                                                                -- Global unique record identifier
                             (aabf_technology, aabf_bits, aabf_qualifier, upd_mode desc, upd_guid)
 PRIMARY KEY
);
CREATE TABLE assaabloy_download
                              INTEGER NOT NULL,
 assad p2000 id
 assad type
                              SMALLINT NOT NULL,
 assad dsr id
                              uniqueidentifier NOT NULL,
 assad dsr parent id
                              uniqueidentifier NULL,
                              uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL,
 assad guid
 PRIMARY KEY
                              (assad guid)
CREATE TABLE IntegrationComponent_assaabloy_dsr
 [dsr_igc_id]
                              INTEGER REFERENCES IntegrationComponent(igc ic id)
                                NOT FOR REPLICATION NOT NULL,
                              SMALLINT NULL,
 [dsr_encryption]
                              CHAR(32) NOT NULL,
                              [uniqueidentifier] ROWGUIDCOL
 [dsr_guid]
                                PRIMARY KEY DEFAULT newid() NOT NULL,
 [dsr_checksum]
                              [int] NOT NULL,
```

```
CREATE TABLE IntegrationComponent_assaabloy_dsr_save
                             INTEGER NOT NULL,
 dsr igc id
 dsr_encryption
                             SMALLINT NULL,
                             CHAR(32) NOT NULL,
 site
                             uniqueidentifier NOT NULL,
 dsr_guid
                             INTEGER NOT NULL,
 dsr checksum
 upd_guid
                             uniqueidentifier NOT NULL,
                                                                                       -- Guid for update operation
 upd mode
                             SMALLINT NOT NULL,
                                                                                       -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                                       -- Date / Time of the update
 upd_timestamp
                             DATETIME NOT NULL,
 upd_checksum
                             INTEGER NOT NULL,
                                                                                       -- Checksum
                             uniqueidentifier ROWGUIDCOL DEFAULT
 upd rowguid
                               newid() UNIQUE NOT NULL,
                                                                                       -- Global unique record identifier
 PRIMARY KEY
                             ( dsr_guid, upd_mode desc, upd_guid )
CREATE TABLE [dbo].[assaabloy_holiday_dayexception]
                             [uniqueidentifier] NOT NULL,
 [assaphde_ph_guid]
                             [uniqueidentifier] NOT NULL,
 [assaphde_de_guid]
 [assaphde_de_group_guid]
                             [uniqueidentifier] NULL,
 [site]
                             [char](32) NOT NULL,
                             (assaphde_ph_guid, assaphde_de_guid)
 primary key
CREATE TABLE assaabloy save
 assa_extended_access_flag
                                    INTEGER NOT NULL,
 assa_override_deadbolt_flag
                                    INTEGER NOT NULL,
 assa_wakeup_communication_flag
                                    INTEGER NOT NULL,
 assa_badge_format
                                    varchar(4096) NOT NULL,
 site
                                    CHAR(32) NOT NULL,
                                    [uniqueidentifier] NOT NULL,
 assa guid
 assa_checksum
                                    INTEGER NOT NULL,
                                    uniqueidentifier NOT NULL,
                                                                                       -- Guid for update operation
 upd_guid
 upd mode
                                    SMALLINT NOT NULL,
                                                                                       -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                                    DATETIME NOT NULL,
                                                                                       -- Date / Time of the update
 upd checksum
                                    INTEGER NOT NULL,
                                                                                       -- Checksum
                                    uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                                       newid() UNIQUE NOT NULL,
                                                                                       -- Global unique record identifier
 PRIMARY KEY
                                    ( assa_guid, upd_mode desc, upd_guid )
                                                               );
CREATE TABLE [dbo].[assaabloy_timezone_dayperiod]
 [assatd_tz_id]
                                    [integer] NOT NULL,
 [assatd tz guid]
                                    [uniqueidentifier] primary key NOT NULL,
 [assatd day 0 dp guid]
                                    [uniqueidentifier] NULL,
 [assatd_day_1_dp_guid]
                                    [uniqueidentifier] NULL,
 [assatd_day_2_dp_guid]
                                    [uniqueidentifier] NULL,
 [assatd_day_3_dp_guid]
                                    [uniqueidentifier] NULL,
 [assatd_day_4_dp_guid]
                                    [uniqueidentifier] NULL,
 [assatd_day_5_dp_guid]
                                    [uniqueidentifier] NULL,
                                    [uniqueidentifier] NULL,
 [assatd_day_6_dp_guid]
                                    [uniqueidentifier] NULL,
 [assatd_deg_guid]
```

### CREATE TABLE assaabloy\_user

```
[assau number str]
                      VARCHAR(100) REFERENCES badge(b number str)
                         NOT FOR REPLICATION NOT NULL,
                      uniqueidentifier NOT NULL,
[assau_user_guid]
                      [uniqueidentifier] ROWGUIDCOL NOT NULL,
[assau_guid]
                      INTEGER NOT NULL,
[assau checksum]
PRIMARY KEY
                      (assau_number_str)
```

## CREATE TABLE assaabloy\_user\_save

[assau number str] VARCHAR(100) NOT NULL, [assau\_user\_guid] [uniqueidentifier] NOT NULL, [uniqueidentifier] NOT NULL, [assau\_guid] [int] NOT NULL, [assau checksum] uniqueidentifier NOT NULL, upd\_guid upd\_mode SMALLINT NOT NULL, upd timestamp DATETIME NOT NULL, upd checksum INTEGER NOT NULL, upd rowguid uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, PRIMARY KEY ( assau\_number\_str, upd\_mode desc, upd\_guid )

-- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Date / Time of the update

-- Checksum

-- Global unique record identifier

### **CREATE TABLE** audit

 $au\_timestamp$ DATETIME, au username CHAR(16) NULL, SMALLINT, au\_item\_type

- -- time the audit entry was made
- -- user who generated the audit message
- -- category, such as changing a cardholder
- 1 = User, 2 = Badge, 3 = Badge layout, 4 = Badge fields,
- 5 = Badge EN code, 6 = ID badge, 7 = Cardholder, 8 = Panel,
- 9 = Terminal, 10 = Partition, 11 = Terminal group,
- 12 = Access group, 13 = Holiday, 14 = Timezone, 15 = Input,
- 16 = Input group, 17 = Panel holiday, 18 = Access template,
- 19 = Alarm response text, 20 = Alarm instruction, 21 = Company,
- 22 = Output, 23 = Output group, 24 = Department,
- 25 = Panel timezone, 26 = Softalarm, 27 = Site, 28 = Station,
- 29 = Map, 30 = Image set, 31 = UDF gen, 32 = Event,
- 33 = Panel card event, 34 = Alarms filter, 35 = Alarms forwarding,
- 36 = <<unused>>, 37 = Permissions group, 38 = Panel relay,
- 39 = Report, 40 = MIS interface, 41 = Image recall filter,
- 42 = Counter, 43 = Action interlock, 44 = BACnet source,
- 45 = Guard Tour definition, 46 = Guard Tour Station, 47 = Panel Communication Loop, 48 = Elevator,
- 49 = Elevator Floor Mask, 50 = Elevator Floor Group,
- 51 = Elevator Floor Name, 52 = Cabinet, 53 = Cabinet Door Group,
- 54 = Cabinet Door Mask, 55 = Cabinet Door Name, 56 = Area,
- 57 = Zone, 58 = Area Layout, 59 = Connection, 60 = CCTV Server,
- 61 = CCTV Switch, 62 = CCTV Tour, 63 = CCTV Alarm,
- 64 = CCTV Macro, 65 = CCTV Aux, 66 = CCTV Monitor,
- 67 = CCTV Sequence, 68 = CCTV Camera, 69 = CCTV Preset,
- 70 = CCTV Pattern, 71 = CCTV Aux Camera, 72 = Enable Code,
- 73 = P900 Flag, 74 = P900 Counter, 75 = P900 Event,
- 76 = P900 Link, 77 = P900 Sys Parameter, 78 = Auto Badge,
- 79 = Air Crew Pin, 80 = P900 Seq File, 81 = Remote Server,
- 82 = Message Filter, 83 = Message Filter Group, 84 = Local Site,
- 85 = Service, 86 = Application, 87 = Panel Card Format,
- 88 = Badge Reason, 89 = Security Level Range, 90 = Import File,
- 91 = Import Consolidation, 92 = Import Badge Format,
- 93 = Import TCPIP, 94 = Audit, 95 = Alarm History, 96 = Alarm,
- 97 = Generic Text, 98 = Muster History, 99 = Guard Tour History,

```
102 = Data Import Mapping, 103 = Data Import Fields,
                                                                             104 = Intercom Exchange, 105 = Intercom Station, 106 = AV Site,
                                                                             107 = AV Channel, 108 = AV Monitor, 109 = AV Preset,
                                                                             110 = AV Input to Camera, 111 = \langle unused \rangle,
                                                                             112 = Enterprise Site, 113 = Enterprise Parameter,
                                                                             114 = AV Dry Contact, 115 = Alarm Colors, 116 = Badge Setup,
                                                                             117 = Request Approver, 118 = FASCN CCC, 119 = Badge Purpose
 au action
                           SMALLINT.
                                                                            -- action taken, such as add
                                                                             0 = Execute, 1 = Logon, 2 = Logoff, 3 = Add, 4 = Edit, 5 = Delete,
                                                                             6 = Print, 7 = Download, 8 = Set, 9 = Reset, 10 = Lock,
                                                                             11 = Unlock, 12 = Timed override, 13 = Lock all, 14 = Unlock all,
                                                                             15 = Update, 16 = Write flash, 17 = Start Muster, 18 = Stop Muster,
                                                                             19 = Demuster, 20 = <<unused>>, 21 = Zone Ready,
                                                                             22 = Start Muster Drill, 23 = <<unused>>, 24 = <<unused>>,
                                                                             25 = Print Group, 26 = Remove Badge, 27 = Expand Zone,
                                                                             28 = Enable Print, 29 = Disable Print, 30 = Save Data, 31 = Pulse,
                                                                             32 = Enable, 33 = Clear, 34 = Disable, 35 = Force, 36 = Calibrate,
                                                                             37 = Uncalibrate, 38 = Set In Use, 39 = Set Available,
                                                                             40 = Manual Trigger, 41 = Store Default, 42 = Security Level,
                                                                             43 = Logon Invalid, 44 = Logon Disabled, 45 = FDA Backup,
                                                                             46 = FDA Violation, 47 = FDA Checksum Calc,
                                                                             48 = Redundancy Failover, 49 = Redundancy Offline,
                                                                             50 = Redundancy Online, 51 = Redundancy Mirror,
                                                                             52 = Redundancy Monitor, 53 = Redundancy Admin,
                                                                             54 = Redundancy Reboot, 55 = Redundancy Config Export,
                                                                             56 = Redundancy Config Import, 57 = Download Firmware,
                                                                             58 = Verify Firmware, 59 = Apply Firmware, 60 = Erase Database,
                                                                             61 = Reboot, 62 = Resync In, 63 = Resync Out,
                                                                             64 = Resync Undefined, 65 = Supporess, 66 = Emergency Disable
                           INTEGER NULL,
 au item id
                                                                            -- ID of the item modified by the action
                           CHAR(32) NULL,
                                                                           -- name of the item modified by the action
 au_item_name
 site
                           CHAR(32) NULL,
                                                                           -- site name
                           CHAR(32) NOT NULL,
                                                                           -- partition name of item routed from other P2000 sites
 au partition name
 au public
                           SMALLINT NOT NULL,
                                                                           -1 = \text{public}, 0 = \text{private}
 au_guid
                           uniqueidentifier DEFAULT newid()
                             ROWGUIDCOL UNIQUE NOT NULL,
 au_timestamp_utc
                           DATETIME NOT NULL,
 au checksum
                           INTEGER NOT NULL,
                                                                            -- Record checksum
 PRIMARY KEY
                           NONCLUSTERED ( au_partition_name, au_guid )
 CREATE CLUSTERED INDEX
                                       au timestamp ON audit ( au timestamp );
 CREATE INDEX
                                       au site ON audit (site);
 CREATE INDEX
                                       au_partition ON audit ( au_partition_name );
 CREATE INDEX
                                       au_public ON audit ( au_public );
 CREATE INDEX
                                       au_item_type ON audit ( au_item_type );
                                       au action ON audit (au_action);
 CREATE INDEX
CREATE TABLE autobadge
                           INTEGER NOT NULL REFERENCES partition(part_number)
 ab_partition
                             NOT FOR REPLICATION,
                                                                                      -- partition ID to which this badge belongs
                                                                                      -1 = number is public, 0 = number is private
 ab public
                           SMALLINT NOT NULL,
 ab number str
                           VARCHAR(100) PRIMARY KEY NOT NULL,
                                                                                      -- badge number
                                                                                      -- 0=Regular 1=Visitor
 ab_type
                           SMALLINT NOT NULL,
                                                                                      -- issue level
 ab_issue
                           SMALLINT NOT NULL,
                                                                                      -- current status of this auto badge number 0=Available
 ab status
                           SMALLINT NOT NULL,
                                                                                        1=Reserved 2=In Use
 ab modification time
                           DATETIME NOT NULL,
                                                                                      -- time of last status change
 site
                           CHAR(32) NOT NULL,
                                                                                      -- Site Name
                           uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                      -- Global unique record identifier
 ab_guid
 ab checksum
                           INTEGER NOT NULL,
                                                                                      -- Record checksum
);
```

100 = Xaction History, 101 = Redundancy,

```
CREATE INDEX
                          ab partition ON autobadge (ab partition);
  CREATE INDEX
                          ab_status ON autobadge ( ab_status );
CREATE TABLE auto_cardholder_id
  acid_guid
                                    uniqueidentifier ROWGUIDCOL
                                      UNIQUE NOT NULL,
                                                                                     -- Global unique record identifier
                                    SMALLINT NOT NULL,
  acid min length
                                                                                     -- for display of leading zeros
                                    SMALLINT NOT NULL.
                                                                                     -1 = \text{enable } 0 = \text{disable}
  acid enable
  acid starting number
                                    INT NOT NULL,
                                                                                     -- default is 1
  acid prevent cardholder id edit
                                    SMALLINT NOT NULL,
                                                                                     -- 1 = allow user of cardholder edit to change auto id
  site
                                    CHAR(32) NOT NULL,
                                                                                     -- Site Name
  acid_checksum
                                    INTEGER NOT NULL,
                                                                                     -- Record checksum
);
CREATE TABLE auto_cardholder_id_save
                                  uniqueidentifier NOT NULL,
  acid guid
                                                                                      -- Global unique record identifier
  acid min length
                                 SMALLINT NOT NULL.
                                                                                      -- for display of leading zeros
  acid enable
                                  SMALLINT NOT NULL.
                                                                                      -1 = \text{enable } 0 = \text{disable}
  acid starting number
                                                                                      -- default is 1
                                  INT NOT NULL,
  acid_prevent_cardholder_id_edit
                                 SMALLINT NOT NULL,
                                                                                      -- 1 = allow user of cardholder edit to change auto id
                                  CHAR(32) NOT NULL,
                                                                                      -- Site Name
  site
  acid checksum
                                  INTEGER NOT NULL,
                                                                                      -- Record checksum
  upd guid
                                  uniqueidentifier NOT NULL,
                                                                                      -- Guid for update operation
  upd mode
                                  SMALLINT NOT NULL,
                                                                                      -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                                      -- Date / Time of the update
  upd_timestamp
                                 DATETIME NOT NULL,
                                 INTEGER NOT NULL,
                                                                                      -- Checksum
  upd_checksum
  upd_rowguid
                                 uniqueidentifier ROWGUIDCOL DEFAULT
                                    newid() UNIQUE NOT NULL,
                                                                                      -- Global unique record identifier
);
CREATE TABLE auto_cardholder_status
  acs_guid
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                   -- Global unique record identifier
  acs last used id
                          INTEGER NULL,
                                                                                   -- Last used id. If NULL
                                                                                   -- Site Name
                          CHAR(32) NOT NULL,
                          INTEGER NOT NULL,
                                                                                   -- Record checksum
  acs_checksum
);
CREATE TABLE [AVChannel]
  [CCH_ID]
                                      [int] IDENTITY NOT FOR REPLICATION NOT NULL,
                                                                                              -- Unique ID of channel record
                                      [int] NOT NULL,
                                                                                              -- ID of parent record
  [CCH_ParentID]
  [CCH Name]
                                      [char] (64) NOT NULL,
                                                                                              -- OPC name of channel
  [CCH_ServerID]
                                      [int] NOT NULL,
                                                                                              -- ID of server record
                                      [int] NOT NULL CONSTRAINT
  [CCH Exists]
                                        [DF AVChannel Exists] DEFAULT (1),
                                                                                              -0 = No, 1 = Yes, 2 = Use default
  [CCH_Description]
                                      [char] (64) NOT NULL,
                                                                                              -- Description
  [CCH_Partition]
                                      [int] NOT NULL CONSTRAINT
                                        [DF AVChannel Partition] DEFAULT (0),
                                                                                              -- Partition ID to which this camera belongs
  [CCH Public]
                                      [int] NOT NULL,
                                                                                              -1 = camera is public, 0 = camera is private
  [CCH GeneralString]
                                      [char] (64) NULL,
                                                                                              -- Camera annotation
                                                                                              -- certified name of channel path such as
  [CCH PathDS]
                                      [char] (255) NOT NULL,
                                                                                                dvr.swtich.channel
  [CCH ClientLockId]
                                      [char] (32) NULL,
                                                                                              -- client id who locks the camera
  [CCH ChannelStatus]
                                      [int] NOT NULL DEFAULT (0)
                                                                                              -- indicates the current status of a channel
-- VCR operation
  [CCH StartRecordExists]
                                      [int] NOT NULL CONSTRAINT
                                         [DF_AVChannel_StartRecordExists] DEFAULT (1),
                                                                                              -0 = No, 1 = Yes, 2 = Use default
```

```
[CCH StartRecord]
                                       [int] NOT NULL CONSTRAINT [
                                          DF AVChannel StartRecord] DEFAULT (0),
                                                                                                --0 = No, 1 = Yes, 2 = Use default
 [CCH_StopRecordExists]
                                       [int] NOT NULL CONSTRAINT
                                          [DF AVChannel StopRecordExits] DEFAULT (0),
                                                                                                -- 0 = No, 1 = Yes, 2 = Use default
                                       [int] NOT NULL CONSTRAINT
 [CCH_StopRecord]
                                          [DF_AVChannel_StopRecord] DEFAULT (0),
 [CCH RewindExists]
                                       [int] NOT NULL CONSTRAINT
                                          [DF_AVChannel_RewindExists] DEFAULT (0),
                                                                                                -- 0 = No, 1 = yes, 2 = use default
 [CCH Rewind]
                                       [int] NOT NULL CONSTRAINT
                                          [DF AVChannel Rewind] DEFAULT (0),
                                                                                                -0 = no, 1 = yes, 2 = use default
 [CCH_PauseExists]
                                       [int] NOT NULL CONSTRAINT
                                          [DF_AVChannel_PauseExists] DEFAULT (0),
                                                                                                -- 0=no, 1=yes, 2=use default
                                       [int] NOT NULL CONSTRAINT
 [CCH Pause]
                                          [DF AVChannel Pause] DEFAULT (0),
                                                                                                -- 0=no, 1=yes, 2=use default
 [CCH FastForwardExists]
                                       [int] NOT NULL CONSTRAINT
                                          [DF AVChannel FastForwardExists] DEFAULT (0),
                                                                                                -- 0=no, 1=yes, 2=use default
 [CCH_FastForward]
                                       [int] NOT NULL CONSTRAINT
                                          [DF AVChannel FastForward] DEFAULT (0),
                                                                                                -- 0=no, 1=yes, 2=use default
 [CCH StartPlaybackExists]
                                       [int] NOT NULL CONSTRAINT
                                          [DF AVChannel StartPalybackExists] DEFAULT (0),
                                                                                                -- 0=no, 1=yes, 2=use default
 [CCH_StartPlayback]
                                       [int] NOT NULL CONSTRAINT
                                          [DF_AVChannel_StartPalyback] DEFAULT (0),
                                                                                                -- 0=no, 1=yes, 2=use default
                                       [int] NOT NULL CONSTRAINT
 [CCH_StopPlaybackExists]
                                          [DF AVChannel StopPalybackExists] DEFAULT (0),
                                                                                                -- 0=no, 1=yes, 2=use default
 [CCH StopPlayback]
                                       [int] NOT NULL CONSTRAINT
                                          [DF AVChannel StopPalyback] DEFAULT (0),
                                                                                                -- 0=no, 1=yes, 2=use default
-- Misc camera
                                       [int] not null constraint
 [CCH_ArchiveExportExists]
                                          [DF AVChannel ArchiveExportExists] default (0),
                                                                                                -- 0=no, 1= yes, 2= use default
 [CCH ArchiveExport]
                                       [int] not null constraint [DF_AVChannel_ArchiveExport] default (0),
 [CCH SetPreAlarmExists]
                                       [int] not null constraint [DF_AVChannel_PreAlarmExists] default (0),
                                       [int] not null constraint [DF_AVChannel_SetPreAlarm] default (0),
 [CCH SetPreAlarm]
 [CCH_SetPostAlarmExists]
                                       [int] not null constraint [DF_AVChannel_SetPostAlarmExists] default (0),
 [CCH SetPostAlarm]
                                       [int] not null constraint [DF AVChannel SetPostAlarm] default (0),
                                       [int] not null constraint [DF_AVChannel_SetVideoLossAlarmExists] default (0),
 [CCH SetVideoLossAlarmExists]
                                       [int] not null constraint [DF_AVChannel_SetVideoLossAlarm] default (0),
 [CCH_SetVideoLossAlarm]
 [CCH SetMotionDetectionAlarmExists] [int] not null constraint [DF AVChannel SetMotionDetectionAlarmExists] default (0),
 [CCH SetMotionDetectionAlarm]
                                       [int] not null constraint [DF AVChannel SetMotionDetectionAlarm] default (0),
 [CCH_SetFrameRateExists]
                                       [int] not null constraint [DF_AVChannel_SetFrameRateExists] default (0),
 [CCH SetFrameRate]
                                       [int] not null constraint [DF_AVChannel_SetFrameRate] default (0),
 [CCH SetResolutionExists]
                                       [int] not null constraint [DF_AVChannel_SetResolutionExists] default (0),
 [CCH SetResolution]
                                       [int] not null constraint [DF AVChannel SetResolution] default (0),
-- Camera positions
 [CCH_PresetExists]
                                       [int] not null constraint [DF_AVChannel_PresetExists] default (0),
                                       [int] not null constraint [DF_AVChannel_PresetMax] default ((-1)),
 [CCH_PresetMax]
                                                                                                        -- number of presets for this cameara
                                       [int] not null constraint [DF_AVChannel_PresetStopExists] default (0),
 [CCH PresetStopExists]
 [CCH PresetStop]
                                       [int] not null constraint [DF AVChannel PresetStop] default (0),
 [CCH PresetRecordExists]
                                       [int] not null constraint [DF AVChannel PresetRecordExists] default (0),
 [CCH_PresetRecord]
                                       [int] not null constraint [DF_AVChannel_PresetRecord] default (0),
 [CCH_PresetPlayExists]
                                       [int] not null constraint [DF_AVChannel_PresetPlayExists] default (0),
 [CCH_PresetPlay]
                                       [int] not null constraint [DF_AVChannel_PresetPlay] default (0),
-- PT control
 [CCH TiltExists]
                                       [int] NOT NULL CONSTRAINT
                                          [DF_AVChannel_TiltExists] DEFAULT (0),
                                                                                                -0 = No, 1 = Yes, 2 = Use default
                                       [int] not null constraint [DF_AVChannel_Tilt] default (0),
 [CCH_Tilt]
 [CCH_PanExists]
                                       [int] NOT NULL CONSTRAINT
                                          [DF AVChannel PanExists] DEFAULT (0),
                                                                                                -0 = No, 1 = Yes, 2 = Use default
 [CCH Pan]
                                       [int] NOT NULL CONSTRAINT
                                          [DF AVChannel Pan] DEFAULT (0),
                                                                                                --0 = No, 1 = Yes, 2 = Use default
 [CCH_StopAllPanTilt]
                                       [int] NOT NULL CONSTRAINT
                                          [DF_AVChannel_StopAllPanTilt] DEFAULT (0),
                                                                                                -- 0 = No, 1 = Yes, 2 = Use default
-- Zoom and lense control
 [CCH ZoomExists]
                                       [int] NOT NULL CONSTRAINT
                                          [DF AVChannel ZoomExists] DEFAULT (0),
                                                                                                --0 = No, 1 = Yes, 2 = Use default
                                       [int] NOT NULL CONSTRAINT
 [CCH_Zoom]
```

```
[DF AVChannel Zoom] DEFAULT (0),
                                                                                           -0 = No, 1 = Yes, 2 = Use default
 [CCH FocusExists]
                                     [int] NOT NULL CONSTRAINT
                                        [DF AVChannel FocusExists] DEFAULT (0),
                                                                                           -0 = No, 1 = Yes, 2 = Use default
                                     [int] NOT NULL CONSTRAINT
 [CCH Focus]
                                        [DF AVChannel Focus] DEFAULT (0),
                                                                                           -0 = No, 1 = Yes, 2 = Use default
 [CCH_IrisExists]
                                     [int] NOT NULL CONSTRAINT
                                        [DF AVChannel IrisExists] DEFAULT (0),
                                                                                           -0 = No, 1 = Yes, 2 = Use default
                                     [int] NOT NULL CONSTRAINT
 [CCH_IrisAutomatic]
                                        [DF AVChannel IrisAutomatic] DEFAULT (0),
                                                                                           -- 0 = No. 1 = Yes
                                     [int] NOT NULL CONSTRAINT
 [CCH Iris]
                                        [DF_AVChannel_Iris] DEFAULT (0),
                                                                                           -- negative for close = No, positive for open
 [CCH_LensSpeed]
                                     [int] NOT NULL CONSTRAINT
                                        [DF AVChannel LensSpeed] DEFAULT (1),
                                                                                           -- Lens speed
                                     [int] NOT NULL CONSTRAINT
 [CCH LensSpeedMax]
                                        [DF AVChannel LensSpeedMax] DEFAULT (1),
                                                                                           -- Maximun lens speed, 1 = speed not variable
 [CCH_StopAllZoomFocusIris]
                                     [int] NOT NULL CONSTRAINT
                                        [DF_AVChannel_StopAllZoomFocusIrsi] DEFAULT (0), -- 0 = No, 1 = Yes, 2 = Use default
-- other channel mainipulation command and status
                                     [int] not null constraint [DF AVChannel Arm] DEFAULT (0),
 [CCH Arm]
                                                                                                  -- 0=no, 1 = yes, 2 = use default
 [CCH DisArm]
                                     [int] not null constraint [DF AVChannel DisArm] default (0),
                                     [int] not null constraint [DF_AVChannel_IsArmed] default (0),
 [CCH_IsArmed]
                                                                                                  -- check arm status
                                     [int] NOT NULL CONSTRAINT
 [CCH_WiperExists]
                                        [DF AVChannel WiperExists] DEFAULT (0),
                                                                                                  -0 = No, 1 = Yes, 2 = Use default
 [CCH Wiper]
                                     [int] NOT NULL CONSTRAINT
                                        [DF AVChannel Wiper] DEFAULT (0),
                                                                                                  -- 0 = No, 1 = Yes, 2 = Use default
                                     [int] NOT NULL CONSTRAINT
 [CCH_WasherExists]
                                        [DF_AVChannel_WasherExists] DEFAULT (0),
                                                                                                  -- 0 = No, 1 = Yes, 2 = Use default
                                     [int] NOT NULL CONSTRAINT
 [CCH Washer]
                                        [DF AVChannel Washer] DEFAULT (0),
                                                                                                  -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
 [CCH_LightExists]
                                     [int] NOT NULL CONSTRAINT
                                        [DF AVChannel LightExists] DEFAULT (1),
                                                                                                  -- 0 = No, 1 = Yes, 2 = Use default
                                     [int] NOT NULL CONSTRAINT
 [CCH Light]
                                        [DF AVChannel Light] DEFAULT (0),
                                                                                                  -- 0 = No, 1 = Yes, 2 = Use default
 [CCH StatusExists]
                                     [int] NOT NULL CONSTRAINT
                                        [DF AVChannel StatusExists] DEFAULT (1),
                                                                                                  -- 0 = No, 1 = Yes, 2 = Use default
 [CCH_AuxiliaryExists]
                                     [int] NOT NULL CONSTRAINT
                                        [DF AVChannel AuxiliaryExists] DEFAULT (2),
                                                                                                  -0 = No, 1 = Yes, 2 = Use default
                                     [int] NOT NULL CONSTRAINT
 [CCH_AuxiliaryCount]
                                        [DF_AVChannel_AuxiliaryCount] DEFAULT (0),
                                                                                                  -- Number configured in database
                                     [int] NOT NULL CONSTRAINT
 [CCH AuxiliaryMax]
                                        [DF_AVChannel_AuxiliaryMax] DEFAULT ((-1)),
                                                                                                  -- Number created in namespace,
                                                                                                    -1 = Use default
 [CCH AuxiliaryPlayExists]
                                     [int] NOT NULL CONSTRAINT
                                        [DF_AVChannel_AuxiliaryPlayExists] DEFAULT (2),
                                                                                                  -- 0 = No, 1 = Yes, 2 = Use default
 [CCH_AuxiliaryStopExists]
                                     [int] NOT NULL CONSTRAINT
                                        [DF AVChannel AuxiliaryStopExists] DEFAULT (2),
                                                                                                  -- 0 = No, 1 = Yes, 2 = Use default
 site
                                     CHAR(32) NOT NULL.
                                                                                                  -- Site Name
 CCH guid
                                     uniqueidentifier ROWGUIDCOL
                                        DEFAULT newid() UNIQUE NOT NULL,
                                                                                                  -- Global unique record identifier
                                     INTEGER NOT NULL,
                                                                                                  -- Record checksum
 CCH checksum
 [CCH alarm debounce motion]
                                     SMALLINT NOT NULL,
                                                                                                  -- alarm debounce time
                                                                                                  -- alarm debounce time
 [CCH alarm debounce behavior]
                                     SMALLINT NOT NULL,
 [CCH ext id address]
                                     [int] NOT NULL,
                                     [uniqueidentifier] NULL,
 [CCH_ext_guid_address]
 [CCH_device_ip_address]
                                     [char](16) NULL,
 [CCH ext encoder]
                                     [int] NOT NULL,
 [CCH xml info]
                                     nvarchar(1024) NULL,
  CONSTRAINT [PK AVChannel] PRIMARY KEY CLUSTERED
                                     [CCH ID]
 ) ON [PRIMARY],
 CONSTRAINT [FK AVChannel AVSite] FOREIGN KEY
                                     [CCH ParentID]
 ) REFERENCES [AVSite] (
```

```
[CAV ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_AVChannel_CCTVServer] FOREIGN KEY
                                       [CCH_ServerID]
 ) REFERENCES [CCTVServer] (
                                       [CSV_ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_AVChannel_partition] FOREIGN KEY
                                       [CCH_Partition]
 ) REFERENCES [partition] (
                                        [part_number]
 ) NOT FOR REPLICATION
) ON [PRIMARY]
CREATE TABLE [AVChannel_save]
                                       [int] NOT NULL,
 [CCH ID]
                                                                                   -- Unique ID of channel record
 [CCH ParentID]
                                       [int] NOT NULL,
                                                                                   -- ID of parent record
                                       [char] (64) NOT NULL,
                                                                                   -- OPC name of channel
 [CCH_Name]
 [CCH_ServerID]
                                       [int] NOT NULL,
                                                                                   -- ID of server record
 [CCH Exists]
                                        [int] NOT NULL,
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
 [CCH_Description]
                                        [char] (64) NOT NULL,
                                                                                   -- Description
 [CCH Partition]
                                        [int] NOT NULL,
                                                                                   -- Partition ID to which this camera belongs
 [CCH_Public]
                                       [int] NOT NULL,
                                                                                   -1 = camera is public, 0 = camera is private
 [CCH_GeneralString]
                                       [char] (64) NULL,
                                                                                   -- Camera annotation
 [CCH PathDS]
                                       [char] (255) NOT NULL,
                                                                                   -- certified name of channel path such as dvr.swtich.channel
 [CCH ClientLockId]
                                       [char] (32) NULL,
                                                                                   -- client id who locks the camera
 [CCH ChannelStatus]
                                       [int] NOT NULL,
                                                                                   -- indicates the current status of a channel
-- VCR operation
 [CCH_StartRecordExists]
                                       [int] NOT NULL,
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
                                       [int] NOT NULL,
 [CCH_StartRecord]
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
 [CCH StopRecordExists]
                                        [int] NOT NULL,
                                                                                   --0 = No, 1 = Yes, 2 = Use default
 [CCH StopRecord]
                                       [int] NOT NULL,
 [CCH_RewindExists]
                                                                                   -- 0 = No, 1 = yes, 2 = use default
                                       [int] NOT NULL,
 [CCH Rewind]
                                       [int] NOT NULL,
                                                                                   -0 = no, 1 = yes, 2 = use default
                                                                                   -- 0=no, 1=yes, 2=use default
 [CCH PauseExists]
                                        [int] NOT NULL,
 [CCH_Pause]
                                        [int] NOT NULL,
                                                                                   -- 0=no, 1=yes, 2=use default
 [CCH FastForwardExists]
                                       [int] NOT NULL,
                                                                                   -- 0=no, 1=yes, 2=use default
 [CCH FastForward]
                                       [int] NOT NULL,
                                                                                   -- 0=no, 1=yes, 2=use default
  [CCH StartPlaybackExists]
                                        [int] NOT NULL,
                                                                                   -- 0=no, 1=yes, 2=use default
 [CCH StartPlayback]
                                        [int] NOT NULL,
                                                                                   -- 0=no, 1=yes, 2=use default
 [CCH_StopPlaybackExists]
                                        [int] NOT NULL,
                                                                                   -- 0=no, 1=yes, 2=use default
 [CCH_StopPlayback]
                                       [int] NOT NULL,
                                                                                   -- 0=no, 1=yes, 2=use default
-- Misc camera
 [CCH ArchiveExportExists]
                                       [int] not null,
                                                                                   -- 0=no, 1= yes, 2= use default
                                       [int] not null,
 [CCH_ArchiveExport]
 [CCH_SetPreAlarmExists]
                                       [int] not null,
 [CCH_SetPreAlarm]
                                       [int] not null,
 [CCH_SetPostAlarmExists]
                                       [int] not null,
 [CCH SetPostAlarm]
                                        [int] not null,
  [CCH SetVideoLossAlarmExists]
                                        [int] not null,
 [CCH_SetVideoLossAlarm]
                                        [int] not null,
 [CCH_SetMotionDetectionAlarmExists] [int] not null,
 [CCH SetMotionDetectionAlarm]
                                       [int] not null.
 [CCH SetFrameRateExists]
                                        [int] not null,
 [CCH SetFrameRate]
                                        [int] not null,
 [CCH_SetResolutionExists]
                                        [int] not null,
 [CCH_SetResolution]
                                        [int] not null,
-- Camera positions
 [CCH PresetExists]
                                        [int] not null,
```

```
[CCH PresetMax]
                                        [int] not null,
                                                                                    -- number of presets for this cameara
 [CCH PresetStopExists]
                                        [int] not null,
                                        [int] not null,
 [CCH_PresetStop]
 [CCH PresetRecordExists]
                                        [int] not null,
 [CCH PresetRecord]
                                        [int] not null,
 [CCH_PresetPlayExists]
                                        [int] not null,
 [CCH PresetPlay]
                                        [int] not null,
 -- PT control
 [CCH TiltExists]
                                        [int] NOT NULL.
                                                                                    -- 0 = No. 1 = Yes. 2 = Use default
 [CCH Tilt]
                                        [int] not null,
 [CCH_PanExists]
                                        [int] NOT NULL,
                                                                                    -- 0 = No, 1 = Yes, 2 = Use default
 [CCH_Pan]
                                        [int] NOT NULL,
                                                                                    -- 0 = No, 1 = Yes, 2 = Use default
 [CCH_StopAllPanTilt]
                                        [int] NOT NULL,
                                                                                    -0 = No, 1 = Yes, 2 = Use default
-- Zoom and lense control
 [CCH ZoomExists]
                                        [int] NOT NULL,
                                                                                    --0 = No, 1 = Yes, 2 = Use default
 [CCH Zoom]
                                        [int] NOT NULL,
                                                                                    -- 0 = No, 1 = Yes, 2 = Use default
 [CCH_FocusExists]
                                        [int] NOT NULL,
                                                                                    -- 0 = No, 1 = Yes, 2 = Use default
 [CCH Focus]
                                        [int] NOT NULL,
                                                                                    -- 0 = No, 1 = Yes, 2 = Use default
                                                                                    -- 0 = No, 1 = Yes, 2 = Use default
 [CCH IrisExists]
                                        [int] NOT NULL,
 [CCH IrisAutomatic]
                                        [int] NOT NULL,
                                                                                    -0 = N_0, 1 = Y_{es}
 [CCH_Iris]
                                        [int] NOT NULL,
                                                                                    -- negative for close = No, positive for open
 [CCH_LensSpeed]
                                        [int] NOT NULL,
                                                                                    -- Lens speed
 [CCH LensSpeedMax]
                                        [int] NOT NULL,
                                                                                    -- Maximun lens speed, 1 = speed not variable
 [CCH StopAllZoomFocusIris]
                                        [int],
                                                                                    --0 = No, 1 = Yes, 2 = Use default
-- other channel mainipulation command and status
 [CCH Arm]
                                        [int] not null,
                                                                                    -- 0=no, 1 = yes, 2 = use default
 [CCH_DisArm]
                                        [int] not null,
 [CCH IsArmed]
                                        [int] not null,
                                                                                    -- check arm status
 [CCH WiperExists]
                                        [int] NOT NULL,
                                                                                    -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
 [CCH_Wiper]
                                        [int] NOT NULL,
                                                                                    -- 0 = No, 1 = Yes, 2 = Use default
 [CCH WasherExists]
                                        [int] NOT NULL,
                                                                                    -- 0 = No, 1 = Yes, 2 = Use default
 [CCH_Washer]
                                        [int] NOT NULL,
                                                                                    -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
                                        [int] NOT NULL,
 [CCH_LightExists]
                                                                                    -- 0 = No, 1 = Yes, 2 = Use default
 [CCH Light]
                                        [int] NOT NULL,
                                                                                    -- 0 = No, 1 = Yes, 2 = Use default
 [CCH StatusExists]
                                        [int] NOT NULL,
                                                                                    -- 0 = No, 1 = Yes, 2 = Use default
 [CCH_AuxiliaryExists]
                                        [int] NOT NULL,
                                                                                    -- 0 = No, 1 = Yes, 2 = Use default
 [CCH AuxiliaryCount]
                                        [int] NOT NULL,
                                                                                    -- Number configured in database
 [CCH AuxiliaryMax]
                                        [int] NOT NULL,
                                                                                    -- Number created in namespace, -1 = Use default
 [CCH_AuxiliaryPlayExists]
                                        [int] NOT NULL,
                                                                                    -- 0 = No, 1 = Yes, 2 = Use default
                                                                                    -- 0 = No, 1 = Yes, 2 = Use default
 [CCH_AuxiliaryStopExists]
                                        [int] NOT NULL,
 site
                                        CHAR(32) NOT NULL,
                                                                                    -- Site Name
 CCH_guid
                                        uniqueidentifier NOT NULL,
                                                                                    -- Global unique record identifier
 CCH checksum
                                        INTEGER NOT NULL,
                                                                                    -- Record checksum
 upd_guid
                                        uniqueidentifier NOT NULL,
                                                                                    -- Guid for update operation
 upd_mode
                                        SMALLINT NOT NULL,
                                                                                    -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                                    -- Date / Time of the update
 upd_timestamp
                                        DATETIME NOT NULL,
 upd checksum
                                        INTEGER NOT NULL.
                                                                                    -- Checksum
                                        uniqueidentifier ROWGUIDCOL DEFAULT
 upd rowguid
                                           newid() UNIQUE NOT NULL,
                                                                                    -- Global unique record identifier
 [CCH_alarm_debounce_motion]
                                        SMALLINT,
                                                                                    -- alarm debounce time
 [CCH_alarm_debounce_behavior]
                                        SMALLINT,
                                                                                    -- alarm debounce time
 [CCH ext id address]
                                        [int] NULL,
 [CCH ext guid address]
                                        [uniqueidentifier] NULL,
 [CCH_device_ip_address]
                                        [char](16) NULL,
 [CCH_ext_encoder]
                                        [int] NULL,
 [CCH xml info]
                                        nvarchar(1024) NULL,
 CONSTRAINT [PK AVChannel save] PRIMARY KEY NONCLUSTERED
                                        [CCH ID], upd mode desc, upd guid
 ) ON [PRIMARY]
) ON [PRIMARY]
```

```
CREATE TABLE [AVDryContact]
 [ADC ID]
                         [int] IDENTITY NOT FOR REPLICATION NOT NULL, -- Unique ID of DryContact record
 [ADC_ParentID]
                         [int] NOT NULL,
                                                                           -- ID of parent record
 [ADC_ServerID]
                         [int] NOT NULL,
                                                                           -- ID of server record
 [ADC_Description]
                         [char] (64) NOT NULL,
                                                                           -- Description
                         [int] NOT NULL,
 [ADC_Partition]
                                                                           -- Partition ID to which this DryContact belongs
 [ADC_Public]
                         [int] NOT NULL CONSTRAINT
                           [DF_AVDryContact_Public] DEFAULT (1),
                                                                           -- 1 = DryContact is public, 0 = DryContact is private
 [ADC_Number]
                         SMALLINT,
                                                                           -- dry contact number
                         CHAR(32) NOT NULL,
                                                                           -- Site Name
                         uniqueidentifier ROWGUIDCOL DEFAULT
 ADC guid
                           newid() UNIQUE NOT NULL,
                                                                           -- Global unique record identifier
                                                                           -- Record checksum
 ADC_checksum
                         INTEGER NOT NULL,
 [ADC_xml_info]
                         nvarchar(1024) NULL,
 CONSTRAINT [PK AVDryContact] PRIMARY KEY CLUSTERED
                         [ADC_ID]
 ) ON [PRIMARY],
 CONSTRAINT [FK_AVDryContact_CCTVServer] FOREIGN KEY
                         [ADC ServerID]
 ) REFERENCES [CCTVServer] (
                         [CSV_ID]
 ) NOT FOR REPLICATION.
 CONSTRAINT [FK AVDryContact partition] FOREIGN KEY
                         [ADC_Partition]
 ) REFERENCES [partition] (
                         [part number]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_DryContact_AVSite] FOREIGN KEY
                         [ADC_ParentID]
 ) REFERENCES [AVSite] (
                         [CAV ID]
 ) NOT FOR REPLICATION
) ON [PRIMARY]
CREATE TABLE [AVDryContact_save]
                         [int] NOT NULL,
 [ADC_ID]
                                                                           -- Unique ID of DryContact record
                         [int] NOT NULL,
                                                                           -- ID of parent record
 [ADC_ParentID]
 [ADC_ServerID]
                         [int] NOT NULL,
                                                                           -- ID of server record
 [ADC\_Description]
                         [char] (64) NOT NULL,
                                                                           -- Description
 [ADC_Partition]
                         [int] NOT NULL,
                                                                           -- Partition ID to which this DryContact belongs
 [ADC_Public]
                         [int] NOT NULL,
                                                                           -- 1 = DryContact is public, 0 = DryContact is private
 [ADC Number]
                         SMALLINT,
                                                                           -- dry contact number
                         CHAR(32) NOT NULL,
                                                                           -- Site Name
 site
 ADC_guid
                         uniqueidentifier NOT NULL,
                                                                           -- Global unique record identifier
 ADC_checksum
                         INTEGER NOT NULL,
                                                                           -- Record checksum
                         uniqueidentifier NOT NULL,
                                                                           -- Guid for update operation
 upd_guid
 upd_mode
                         SMALLINT NOT NULL,
                                                                           -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                           -- Date / Time of the update
 upd timestamp
                         DATETIME NOT NULL,
 upd_checksum
                         INTEGER NOT NULL,
                                                                           -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                           newid() UNIQUE NOT NULL,
                                                                           -- Global unique record identifier
 [ADC xml info]
                         nvarchar(1024) NULL.
 CONSTRAINT [PK AVDryContact save] PRIMARY KEY NONCLUSTERED
                         [ADC_ID], upd_mode desc, upd_guid
```

) ON [PRIMARY],

```
CREATE TABLE [AVMonitor]
                                       [int] IDENTITY NOT FOR REPLICATION
 [AMO_ID]
                                         NOT NULL,
                                                                                         -- Unique ID of monitor record
                                       [int] NOT NULL,
 [AMO ParentID]
                                                                                         -- ID of parent record
                                                                                         -- OPC name of monitor
 [AMO Name]
                                       [char] (64) NOT NULL,
 [AMO ServerID]
                                       [int] NOT NULL,
                                                                                         -- ID of server record
 [AMO Exists]
                                       [int] NOT NULL CONSTRAINT
                                         [DF_AVMonitor_Exists] DEFAULT (1),
                                                                                         -- 0 = No, 1 = Yes, 2 = Use default
 [AMO_Description]
                                       [char] (64) NOT NULL,
                                                                                         -- Description
 [AMO Partition]
                                       [int] NOT NULL,
                                                                                         -- Partition ID to which this monitor belongs
 [AMO Public]
                                       [int] NOT NULL CONSTRAINT
                                         [DF_AVMonitor_Public] DEFAULT (1),
                                                                                         -1 = monitor is public, 0 = monitor is private
 [AMO GeneralString]
                                       [char] (64) NULL,
                                                                                         -- monitor annotation
                                       [int] NOT NULL CONSTRAINT
 [AMO_SequenceExists]
                                         [DF AVMonitor SequenceExists] DEFAULT (2),
                                                                                                  -- 0 = No, 1 = Yes, 2 = Use default
                                       [int] NOT NULL CONSTRAINT
 [AMO SequenceCount]
                                         [DF AVMonitor SequenceCount] DEFAULT (0),
                                                                                                   -- Number configured in database
                                       [int] NOT NULL CONSTRAINT
 [AMO_SequenceMax]
                                         [DF_AVMonitor_SequenceMax] DEFAULT ((-1)),
                                                                                                   -- Number created in namespace,
                                                                                                     -1 = Use default
 [AMO SequencePlayExists]
                                       [int] NOT NULL CONSTRAINT
                                         [DF AVMonitor SequencePlayExists] DEFAULT (2),
                                                                                                  --0 = No, 1 = Yes, 2 = Use default
 [AMO_SequenceRecordExists]
                                       [int] NOT NULL CONSTRAINT
                                         [DF_AVMonitor_SequenceRecordExists] DEFAULT (2),
                                                                                                  -0 = No, 1 = Yes, 2 = Use default
 [AMO SequenceStopExists]
                                       [int] NOT NULL CONSTRAINT
                                         [DF AVMonitor SequenceStopExists] DEFAULT (2),
                                                                                                  -0 = No, 1 = Yes, 2 = Use default
 [AMO SequencePauseExists]
                                       [int] NOT NULL CONSTRAINT
                                         [DF AVMonitor SequencePauseExists] DEFAULT (2),
                                                                                                  -- 0 = No, 1 = Yes, 2 = Use default
                                       [int] NOT NULL CONSTRAINT
 [AMO_SequenceRestartExists]
                                         [DF AVMonitor SequenceRestartExists] DEFAULT (2),
                                                                                                  -- 0 = No, 1 = Yes, 2 = Use default
 [AMO SequenceForwardExists]
                                       [int] NOT NULL CONSTRAINT
                                         [DF AVMonitor SequenceForwardExists] DEFAULT (2),
                                                                                                  --0 = No, 1 = Yes, 2 = Use default
                                       [int] NOT NULL CONSTRAINT
 [AMO SequenceBackwardExists]
                                         [DF AVMonitor SequenceBackwardExists] DEFAULT (2),
                                                                                                  -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
                                       [int] NOT NULL CONSTRAINT
 [AMO SequenceStepForwardExists]
                                         [DF_AVMonitor_SequenceStepForwardExists] DEFAULT (2),
                                                                                                  -- 0 = No, 1 = Yes, 2 = Use default
                                       [int] NOT NULL CONSTRAINT
 [AMO SequenceStepBackwardExists]
                                         [DF AVMonitor SequenceStepBackwardExists] DEFAULT (2), -- 0 = No, 1 = Yes, 2 = Use default
                                       [int] NOT NULL CONSTRAINT
 [AMO_SequenceCameraForwardExists]
                                         [DF AVMonitor SequenceCameraForwardExists] DEFAULT (2), -- 0 = No, 1 = Yes, 2 = Use default
 [AMO_SequenceCameraBackwardExists] [int] NOT NULL CONSTRAINT
                                         [DF_AVMonitor_SequenceCameraBackwardExists] DEFAULT (2),-- 0 = No, 1 = Yes, 2 = Use default
                                       CHAR(32) NOT NULL,
                                                                                                   -- Site Name
 site
                                       uniqueidentifier ROWGUIDCOL DEFAULT
 AMO_guid
                                         newid() UNIQUE NOT NULL,
                                                                                                   -- Global unique record identifier
 AMO checksum
                                       INTEGER NOT NULL,
                                                                                                   -- Record checksum
 [AMO_ext_id_address]
                                       [int] NOT NULL,
 [AMO_ext_guid_address]
                                       [uniqueidentifier] NULL,
                                       [char](16) NULL,
 [AMO device ip address]
 [AMO ext decoder]
                                       [int] NOT NULL,
                                       nvarchar(1024) NULL,
 [AMO_xml_info]
 CONSTRAINT [PK_AVMonitor] PRIMARY KEY CLUSTERED
                                      [AMO ID]
 ) ON [PRIMARY],
 CONSTRAINT [FK_AVMonitor_CCTVServer] FOREIGN KEY
                                      [AMO ServerID]
 ) REFERENCES [CCTVServer] (
```

) ON [PRIMARY]

```
[CSV ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_AVMonitor_partition] FOREIGN KEY
                                       [AMO_Partition]
 ) REFERENCES [partition] (
                                        [part_number]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_Monitor_AVSite] FOREIGN KEY
                                        [AMO_ParentID]
 ) REFERENCES [AVSite] (
                                       [CAV_ID]
 ) NOT FOR REPLICATION
) ON [PRIMARY]
CREATE TABLE [AVMonitor_save]
                                        [int] NOT NULL,
 [AMO ID]
                                                                                      -- Unique ID of monitor record
 [AMO ParentID]
                                        [int] NOT NULL,
                                                                                      -- ID of parent record
 [AMO_Name]
                                        [char] (64) NOT NULL,
                                                                                      -- OPC name of monitor
 [AMO_ServerID]
                                        [int] NOT NULL,
                                                                                      -- ID of server record
 [AMO_Exists]
                                        [int] NOT NULL,
                                                                                      -- 0 = No, 1 = Yes, 2 = Use default
  [AMO_Description]
                                        [char] (64) NOT NULL,
                                                                                      -- Description
  [AMO Partition]
                                        [int] NOT NULL,
                                                                                      -- Partition ID to which this monitor belongs
 [AMO_Public]
                                        [int] NOT NULL,
                                                                                      -1 = monitor is public, 0 = monitor is private
 [AMO_GeneralString]
                                        [char] (64) NULL,
                                                                                      -- monitor annotation
 [AMO SequenceExists]
                                        [int] NOT NULL,
                                                                                      -0 = No, 1 = Yes, 2 = Use default
 [AMO SequenceCount]
                                        [int] NOT NULL,
                                                                                      -- Number configured in database
 [AMO_SequenceMax]
                                        [int] NOT NULL,
                                                                                      -- Number created in namespace, -1 = Use default
 [AMO SequencePlayExists]
                                                                                      -- 0 = No, 1 = Yes, 2 = Use default
                                        [int] NOT NULL,
 [AMO_SequenceRecordExists]
                                        [int] NOT NULL,
                                                                                      -- 0 = No, 1 = Yes, 2 = Use default
 [AMO_SequenceStopExists]
                                        [int] NOT NULL,
                                                                                      -- 0 = No, 1 = Yes, 2 = Use default
 [AMO SequencePauseExists]
                                        [int] NOT NULL,
                                                                                      -0 = No, 1 = Yes, 2 = Use default
 [AMO SequenceRestartExists]
                                        [int] NOT NULL,
                                                                                      -0 = No, 1 = Yes, 2 = Use default
                                                                                      -- 0 = No, 1 = Yes, 2 = Use default
 [AMO_SequenceForwardExists]
                                        [int] NOT NULL,
 [AMO SequenceBackwardExists]
                                                                                      -0 = No, 1 = Yes, 2 = Use default
                                        [int] NOT NULL,
                                                                                      -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
 [AMO SequenceStepForwardExists]
                                        [int] NOT NULL,
 [AMO_SequenceStepBackwardExists]
                                        [int] NOT NULL,
                                                                                      -- 0 = No, 1 = Yes, 2 = Use default
 [AMO SequenceCameraForwardExists]
                                        [int] NOT NULL,
                                                                                      -- 0 = No, 1 = Yes, 2 = Use default
 [AMO_SequenceCameraBackwardExists] [int] NOT NULL,
                                                                                      -- 0 = No, 1 = Yes, 2 = Use default
                                        CHAR(32) NOT NULL,
                                                                                      -- Site Name
 site
 AMO guid
                                        uniqueidentifier NOT NULL,
                                                                                      -- Global unique record identifier
 AMO_checksum
                                        INTEGER NOT NULL,
                                                                                      -- Record checksum
                                        uniqueidentifier NOT NULL,
 upd_guid
                                                                                      -- Guid for update operation
 upd_mode
                                        SMALLINT NOT NULL,
                                                                                      -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                                        DATETIME NOT NULL,
                                                                                      -- Date / Time of the update
 upd_checksum
                                        INTEGER NOT NULL,
                                                                                      -- Checksum
                                        uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                                          newid() UNIQUE NOT NULL,
                                                                                      -- Global unique record identifier
 [AMO ext id address]
                                        [int] NULL,
 [AMO ext guid address]
                                        [uniqueidentifier] NULL,
 [AMO device ip address]
                                        [char](16) NULL,
 [AMO_ext_decoder]
                                        [int] NULL,
 [AMO_xml_info]
                                        nvarchar(1024) NULL,
 CONSTRAINT [PK_AVMonitor_save] PRIMARY KEY NONCLUSTERED
                                        [AMO ID], upd mode desc, upd guid
 ) ON [PRIMARY],
) ON [PRIMARY]
```

```
CREATE TABLE [dbo].[AVPreset]
 [CAP ID]
                         [int] IDENTITY NOT FOR REPLICATION NOT NULL,
                                                                                             -- Unique ID of preset record
 [CAP ParentID]
                         [int] NOT NULL,
                                                                                             -- ID of parent record
 [CAP_Name]
                         [char] (64) NOT NULL,
                                                                                             -- OPC name of preset
 [CAP_ServerID]
                         [int] NOT NULL,
                                                                                             -- ID of server record
 [CAP_Exists]
                         [int] NOT NULL CONSTRAINT [DF AVPreset Exists] DEFAULT (1),
                                                                                              --0 = No, 1 = Yes, 2 = Use default
 [CAP_Description]
                         [char] (64) NOT NULL,
                                                                                             -- Description
 [CAP Partition]
                         [int] NOT NULL,
                                                                                             -- Partition ID to which this preset belongs
                         [int] NOT NULL.
 [CAP_Public]
                                                                                             -1 = preset is public, 0 = preset is private
                         CHAR(32) NOT NULL,
                                                                                             -- Site Name
 site
 CAP guid
                         uniqueidentifier ROWGUIDCOL DEFAULT
                            newid() UNIQUE NOT NULL,
                                                                                             -- Global unique record identifier
 CAP_checksum
                         INTEGER NOT NULL,
                                                                                             -- Record checksum
 [CAP xml info]
                         nvarchar(1024) NULL,
 CONSTRAINT [PK AVPreset] PRIMARY KEY CLUSTERED
                         [CAP_ID]
 ) ON [PRIMARY],
 CONSTRAINT [FK_AVPreset_AVChannel] FOREIGN KEY
                         [CAP ParentID]
 ) REFERENCES [dbo].[AVChannel] (
                         [CCH_ID]
 ) NOT FOR REPLICATION.
 CONSTRAINT [FK AVPreset CCTVServer] FOREIGN KEY
                         [CAP_ServerID]
 ) REFERENCES [dbo].[CCTVServer] (
                         [CSV ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_AVPreset_partition] FOREIGN KEY
                         [CAP_Partition]
 ) REFERENCES [dbo].[partition] (
                         [part number]
 ) NOT FOR REPLICATION
) ON [PRIMARY]
CREATE TABLE [AVPreset_save]
                                                                            -- Unique ID of preset record
 [CAP_ID]
                         [int] NOT NULL,
                         [int] NOT NULL,
 [CAP_ParentID]
                                                                            -- ID of parent record
                         [char] (64) NOT NULL,
 [CAP_Name]
                                                                            -- OPC name of preset
 [CAP_ServerID]
[CAP_Exists]
                         [int] NOT NULL,
                                                                            -- ID of server record
                         [int] NOT NULL,
                                                                            -0 = No, 1 = Yes, 2 = Use default
 [CAP_Description]
                         [char] (64) NOT NULL,
                                                                            -- Description
 [CAP Partition]
                         [int] NOT NULL,
                                                                            -- Partition ID to which this preset belongs
 [CAP_Public]
                         [int] NOT NULL,
                                                                            -- 1 = preset is public, 0 = preset is private
                         CHAR(32) NOT NULL,
                                                                            -- Site Name
                                                                            -- Global unique record identifier
 CAP_guid
                         uniqueidentifier NOT NULL,
 CAP_checksum
                         INTEGER NOT NULL,
                                                                            -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                            -- Guid for update operation
 upd mode
                         SMALLINT NOT NULL,
                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                         DATETIME NOT NULL,
                                                                            -- Date / Time of the update
 upd_checksum
                         INTEGER NOT NULL,
                                                                            -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT
```

newid() UNIOUE NOT NULL.

[CAP\_ID], upd\_mode desc, upd\_guid

nvarchar(1024) NULL, CONSTRAINT [PK\_AVPreset\_save] PRIMARY KEY NONCLUSTERED

upd\_rowguid

[CAP xml info]

-- Global unique record identifier

```
) ON [PRIMARY],
) ON [PRIMARY]
```

# **CREATE TABLE** [AVSite]

C	REATE TABLE [AVSite]		
(	[CAV ID]	[int] IDENTITY NOT FOR REPLICATION NOT NULL,	Unique ID of switch record
			•
	[CAV_ParentID]		ID of parent record
	[CAV_Same]		OPC name of switch
	[CAV_ServerID]	,	ID of server record
	[CAV_Exists]	[int] NOT NULL CONSTRAINT	0 N 1 W 2 H 16 h
	[CAV Description]		0 = No, 1 = Yes, 2 = Use default
	[CAV_Description]		Description
	[CAV_Partition]	[int] NOT NULL CONSTRAINT	David David Halaman
	FOAN DALL		Partition ID to which this switch belongs
	[CAV_Public]	[int] NOT NULL CONSTRAINT	1 21: 11: 0 21: 1
	FOAN D: 4 1		-1 = switch is public, $0$ = switch is private
	[CAV_Priority]	[int] NOT NULL CONSTRAINT	NT-4
	[CAV DVDT]	[DF_AVSite_Priority] DEFAULT (0), [char] (64) NOT NULL CONSTRAINT	Not used
	[CAV_DVRType]		DVD
	[CAV T]		DVR manufacturer protocol type, 1 Loronix
	[CAV_Type]	[int] NOT NULL CONSTRAINT	1 - 01
		[DF_AVSite_Type] DEFAULT (0),	1 = Serial comms,
	FOAN DAG IDA II I	[ 1 ] ((4) NOT NITH I CONCER ADIT	2 = TCP/IP, DVR communication type
	[CAV_DataServerIPAddress]	[char] (64) NOT NULL CONSTRAINT	TD 11 61.
	FORWARD BY 11 1	[DF_AVSite_DataServerIPAddress] DEFAULT ('127.0.0.0'),	IP address of data server
	[CAV_MatrixServerIPAddress]	[char] (64) NOT NULL CONSTRAINT	TD 11 614
		[DF_AVSite_MatrixServerIPAddress] DEFAULT ('127.0.0.0')	IP address of data server
	[CAV_MatrixServerPort]	[char] (64) NOT NULL CONSTRAINT	VD 11 01.
	50.00	[DF_AVSite_MatrixServerPort] DEFAULT ('COM1'),	IP address of data server
	[CAV_MatrixServerName]	[char] (64) NOT NULL CONSTRAINT	TD 11 C1 (
	50.44. G	[DF_AVSite_MatrixServerName] DEFAULT ('NONE'),	IP address of data server
	[CAV_StreamingServerIPAddress]	[char] (64) NOT NULL CONSTRAINT	OD TD 11 C
	FOLIV C. C. IDI II	[DF_AVSite_StreamingServerIPAddress] DEFAULT ('127.0.0	.0'), IP address of streaming server
	[CAV_StorageServerIPAddress]	[char] (64) NOT NULL CONSTRAINT	
	FOUNT Y I YES	[DF_AVSite_StorageServerIPAddress] DEFAULT ('127.0.0.0')	, IP address of storage server
	[CAV_LoginID]	[char] (64) NOT NULL CONSTRAINT	
		[DF_AVSite_LoginID] DEFAULT ('p2000'),	Login id on DVR
	[CAV_Password]	[char] (64) NOT NULL CONSTRAINT	
		[DF_AVSite_Password] DEFAULT ('letmein'),	login password on DVR, encrypted
	[CAV_NetBandwidth]	[int] NOT NULL CONSTRAINT	
		[DF_AVSite_NetBandwidth] DEFAULT (2),	video transmission bandwidth
			0:10MBPS, 1:100MBPS,
			2:check at start up 3: 1GBPS,
	[CAV_ArchiveDeviceExists]	[int] NOT NULL CONSTRAINT	
	50.47 A 1: 37 1	[DF_AVSite_ArchiveDeviceExists] DEFAULT (0),	no dat exists, 1:exists
	[CAV_ArchiveName]	[char] (64) NOT NULL CONSTRAINT	
	[CAN 1 1: C: ]	[DF_AVSite_ArchiveName] DEFAULT ('no_archive'),	
	[CAV_ArchiveSize]	[int] NOT NULL CONSTRAINT	
		[DF_AVSite_ArchiveSize] DEFAULT (0),	
	[CAV_NumArchiveDevices]	[int] NOT NULL CONSTRAINT	
	50.00 A 1: 00 A 1: 1	[DF_AVSite_NumArchiveDevices] default (0),	indication of a number of devs
	[CAV_ArchiveHasMedia]	[int] NOT NULL CONSTRAINT	
	FOUND OF THE P	[DF_AVSite_ArchiveHasMedia] default (0),	1: has media, 0: no media in a deck
	[CAV_DateTime]	[int] NOT NULL CONSTRAINT	t till at a pymia at a t
		[DF_AVSite_DateTime] default (0),	indidate that DVR's time has been
	FOAN, AL OL AUG	F. AMOT. II. A. L.	changed
	[CAV_AlarmClearAll]	[int] NOT null constraint	1 17 1
	FORM I	[DF_AVSite_AlarmClearAll] default (0),	alear all alarms
	[CAV_Login]	[int] not null constraint[DF_AVSite_Login] default (0),	1: logged on 0: not logged in
	[CAV_Logoff]	[int] not null constraint [DF_AVSite_Logoff] default (1),	1: not logged in, 0 : logged on
	[CAV_LoginState]	[int] not null constraint [DF_AVSite_LoginState] default (0),	check do we have a pc
	[CAV_MimicDVR]	[int] not null constraint [DF_AVSite_MimicDVR] default (0),	mimic a DVR

```
[CAV TestIP]
                                 [int] not null constraint [DF AVSite TestIP] default (0),
                                                                                                   -- 1: request the validity of IP address of
                                                                                                      a dvr
[CAV_CheckPIN]
                                 [int] not null constraint [DF_AVSite_CheckPIN] default (0),
                                                                                                    -- 1: check equipment
[CAV ErrorSend]
                                 [int] not null constraint [DF_AVSite_ErrorSend] default (0),
[CAV_FatalErrorSend]
                                 [int] not null constraint [DF_AVSite_FatalErrorSend] default (0),
[CAV_Special]
[CAV_GeneralString]
                                 [int] not null constraint [DF_AVSite_Special] default (0),
                                 [char] (64) not null constraint [DF_AVSite_GeneralString] default ('dvr_comment'),
[CAV_PresetExists]
                                 [int] not null constraint [DF AVSite PresetExists] default ((-1)),
                                 [int] not null constraint [DF AVSite PresetStopExists] default ((-1)),
[CAV PresetStopExists]
[CAV PresetRecordExists]
                                 [int] not null constraint [DF AVSite PresetRecordExists] default ((-1)),
                                 [int] not null constraint [DF_AVSite_PresetPlayExits] default ((-1)),
[CAV_PresetPlayExists]
                                     [int] not null constraint [DF_AVSite_CameraAuxiliaryExists] default ((-1)),
[CAV_CameraAuxiliaryExists]
[CAV CameraAuxiliaryPlayExists]
                                     [int] not null constraint [DF_AVSite_CameraAuxiliaryPlayExits] default ((-1)),
                                     [int]\ not\ null\ constraint\ [DF\_AVSite\_CameraAuxiliaryStopExists]\ default\ ((-1)),
[CAV_CameraAuxiliaryStopExists]
[CAV_CameraAuxiliaryMax]
                                     [int] not null constraint [DF AVSite CameraAuxilaryMax] default (0),
                                     [int] not null constraint [DF AVSite PresetMax] default ((-1)),
[CAV_PresetMax]
[CAV_CameraGroup]
                                     [int] not null constraint [DF_AVSite_CameraGroup] default (0),
[CAV CameraGroupMax]
                                     [int] not null constraint [DF AVSite CameraGroupMax] default ((-1)),
[CAV CameraCount]
                                     [int] not null constraint [DF AVSite CameraCount] default (0),
[CAV CameraMax]
                                     [int] not null constraint [DF AVSite CameraMax] default ((-1)),
[CAV_MonitorCount]
                                     [int] NOT NULL CONSTRAINT [DF_AVSite_MonitorCount] DEFAULT (0),
[CAV_MonitorMax]
                                     [int] NOT NULL CONSTRAINT [DF_AVSite_MonitorMax] DEFAULT ((-1)),
[CAV_ActiveCameraExists]
                                     [int] not null constraint [DF_AVSite_ActiveCameraExists] default (0),
[CAV_SetActiveCamera]
                                     [int] not null constraint [DF_AVSite_SetActiveCamerea] default (0),
[CAV ChannelGroup]
                                   [int] not null constraint [DF AVSite ChannelGroup] default (0),
                                                                                                    -- the number of camera group
[CAV ChannelGroupMax]
                                   [int] not null constraint [DF AVSite ChannelGroupMax] default (0), -- the number of channel group max
                                   [int] not null constraint [DF_AVSite_ChannelCount] default (0),
[CAV ChannelCount]
                                                                                                    -- number of channels configured
                                   [int] not null constraint [DF_AVSite_Channelmax] default ((-1)),
[CAV_ChannelMax]
                                                                                                    -- the number of channels configured in
                                                                                                       this DVR
                                   [int] not null constraint [DF_AVSiteChannelExists] default (1),
[CAV ActiveChannelExists]
                                   [int] not null constraint [DF AVSite SetActiveChannel] default (1),
[CAV SetActiveChannel]
                                         [int] NOT NULL CONSTRAINT
[CAV AlarmExists]
                                            [DF AVSite AlarmExists] DEFAULT (2),
                                                                                                      -0 = No, 1 = Yes, 2 = Use default
[CAV AlarmCount]
                                         [int] NOT NULL CONSTRAINT
                                            [DF_AVSite_AlarmCount] DEFAULT (0),
                                                                                                      -- Number configured in database
[CAV_AlarmMax]
                                         [int] NOT NULL CONSTRAINT
                                            [DF AVSite AlarmMax] DEFAULT ((-1)),
                                                                                                      -- Number created in namespace,
                                                                                                         -1 = Use default
[CAV_AlarmLossOfVideoSignalExists]
                                         [int] NOT NULL CONSTRAINT
                                            [DF AVSite AlarmLossOfVideoSignalExists] DEFAULT (2), -- 0 = No, 1 = Yes, 2 = Use default
                                         [int] NOT NULL CONSTRAINT
[CAV AlarmLossOfVideoSignal]
                                            [DF AVSite AlarmLossOfVideoSignal] DEFAULT (0),
                                                                                                      -- 0 = No. 1 = Yes. 2 = Use default
[CAV AlarmStopLossOfVideoSignalExists] [int] NOT NULL CONSTRAINT
                                            [DF_AVSite_AlarmStopLossOfVideoSignalExists] DEFAULT (2),-- 0 = No, 1 = Yes, 2 = Use default
[CAV_AlarmMotionDetectionExists]
                                         [int] NOT NULL CONSTRAINT
                                            [DF AVSite AlarmMotionDetectionExists] DEFAULT (2),
                                                                                                      --0 = No, 1 = Yes, 2 = Use default
[CAV AlarmMotionDetection]
                                         [int] NOT NULL CONSTRAINT
                                            [DF AVSite AlarmMotionDetection] DEFAULT (0),
                                                                                                      -0 = No, 1 = Yes, 2 = Use default
[CAV_AlarmStopMotionDetection]
                                         [int] NOT NULL CONSTRAINT
                                            [DF_AVSite_AlarmStopMotionDetection] DEFAULT (2),
                                                                                                      -- 0 = No, 1 = Yes, 2 = Use default
[CAV AuxiliaryExists]
                                         [int] NOT NULL CONSTRAINT
                                                                                                       -- 0 = No, 1 = Yes, 2 = Use default
                                            [DF AVSite AuxiliaryExists] DEFAULT (2),
[CAV AuxiliaryCount]
                                         [int] NOT NULL CONSTRAINT
                                            [DF_AVSite_AuxiliaryCount] DEFAULT (0),
                                                                                                      -- Number configured in database
                                         [int] NOT NULL CONSTRAINT
[CAV_AuxiliaryMax]
                                            [DF_AVSite_AuxiliaryMax] DEFAULT ((-1)),
                                                                                                      -- Number created in namespace,
                                                                                                         -1 = Use default
[CAV AuxiliaryPlayExists]
                                         [int] NOT NULL CONSTRAINT
                                            [DF AVSite AuxiliaryPlayExists] DEFAULT (2),
                                                                                                      --0 = No, 1 = Yes, 2 = Use default
                                         [int] NOT NULL CONSTRAINT
[CAV_AuxiliaryPlay]
                                            [DF AVSite AuxiliaryPlay] DEFAULT (0),
                                                                                                      -0 = No, 1 = Yes, 2 = Use default
[CAV AuxiliaryStopExists]
                                         [int] NOT NULL CONSTRAINT
                                            [DF_AVSite_AuxiliaryStopExists] DEFAULT (2),
                                                                                                      --0 = No, 1 = Yes, 2 = Use default
[CAV AuxiliaryStop]
                                         [int] NOT NULL CONSTRAINT
                                            [DF AVSite AuxiliaryStop] DEFAULT (0),
                                                                                                      -0 = No, 1 = Yes, 2 = Use default
```

```
CHAR(32) NOT NULL,
                                                                                                 -- Site Name
 site
 CAV_guid
                                        uniqueidentifier ROWGUIDCOL
                                           DEFAULT newid() UNIQUE NOT NULL,
                                                                                                 -- Global unique record identifier
                                        INTEGER NOT NULL,
                                                                                                 -- Record checksum
 CAV checksum
                                         INTEGER NULL REFERENCES timezone(tz id)
 [CAV_In_MotionTimezone]
                                          NOT FOR REPLICATION,
                                                                                                 -- time zone ID
                                         INTEGER NULL REFERENCES timezone(tz id)
 [CAV_In_BehaviorTimezone]
                                          NOT FOR REPLICATION,
                                                                                                 -- time zone ID
 [CAV In VideolossTimezone]
                                         INTEGER NULL REFERENCES timezone(tz id)
                                                                                                 -- time zone ID
                                          NOT FOR REPLICATION,
 [CAV_In_DrycontactTimezone]
                                        INTEGER NULL REFERENCES timezone(tz_id)
                                          NOT FOR REPLICATION,
                                                                                                 -- time zone ID
                                        [int] NOT NULL,
                                                                                                 -- 0 send no AV Alarms, 1 send all
 [CAV_Out_Mode]
                                                                                                   AV Alarms, 2 send filtered
                                                                                                   AV Alarms
 [CAV_Out_Timezone1]
                                        INTEGER NULL REFERENCES timezone(tz_id)
                                        NOT FOR REPLICATION,
                                                                                                 -- time zone ID
 [CAV Out Filtergroup1]
                                                INTEGER NULL REFERENCES msgfiltergroup(mfg id) NOT FOR REPLICATION,--
message filter group ID
 [CAV Motion Debounce Time]
                                                [int] NOT NULL CONSTRAINT [DF Motion Debounce Time] DEFAULT (1000),
 [CAV_Behavior_Debounce_Time]
                                                [int] NOT NULL CONSTRAINT [DF_Behavior_Debounce_Time] DEFAULT (1000),
                                                [int] NOT NULL CONSTRAINT [DF_AVSite_DryContactCount] DEFAULT (0),
 [CAV_DryContactCount]
 [CAV_DryContactMax]
                                                [int] NOT NULL CONSTRAINT [DF_AVSite_DryContactMax] DEFAULT ((-1)),
 [CAV primaryDirectoryServerIP subnet1]
                                                [char] (64) NOT NULL,
 [CAV secondaryDirectoryServerIP subnet1]
                                                [char] (64) NOT NULL,
 [CAV tertiaryDirectoryServerIP subnet1]
                                                [char] (64) NOT NULL,
 [CAV_use_subnet2]
                                                SMALLINT NOT NULL,
                                                [char] (64) NOT NULL,
 [CAV primaryDirectoryServerIP subnet2]
 [CAV secondaryDirectoryServerIP subnet2]
                                                [char] (64) NOT NULL,
 [CAV_tertiaryDirectoryServerIP_subnet2]
                                                [char] (64) NOT NULL,
 [CAV ext id address]
                                                [int] NOT NULL,
                                                [uniqueidentifier] NULL,
 [CAV_ext_guid_address]
 [CAV_xml_info]
                                                nvarchar(1024) NULL,
 CONSTRAINT [PK AVSite] PRIMARY KEY CLUSTERED
                         [CAV_ID]
 ) ON [PRIMARY],
 CONSTRAINT [FK_AVSite_CCTVServer] FOREIGN KEY
                        [CAV ServerID]
 ) REFERENCES [CCTVServer] (
                         [CSV ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_AVSite_partition] FOREIGN KEY
                        [CAV_Partition]
 ) REFERENCES [partition] (
                         [part number]
 ) NOT FOR REPLICATION,
) ON [PRIMARY]
CREATE TABLE [AVSite save]
 [CAV_ID]
                                          [int] NOT NULL,
                                                                             -- Unique ID of switch record
 [CAV ParentID]
                                          [int] NOT NULL,
                                                                             -- ID of parent record
 [CAV Name]
                                          [char] (64) NOT NULL,
                                                                             -- OPC name of switch
                                                                             -- ID of server record
 [CAV ServerID]
                                          [int] NOT NULL,
 [CAV Exists]
                                          [int] NOT NULL,
                                                                             -- 0 = No, 1 = Yes, 2 = Use default
 [CAV_Description]
                                          [char] (64) NOT NULL,
                                                                             -- Description
 [CAV_Partition]
                                          [int] NOT NULL,
                                                                             -- Partition ID to which this switch belongs
 [CAV_Public]
                                          [int] NOT NULL,
                                                                             -1 = switch is public, 0 = switch is private
 [CAV Priority]
                                          [int] NOT NULL,
                                                                             -- Not used
```

```
[CAV DVRType]
                                            [char] (64) NOT NULL,
                                                                                   -- DVR manufacturer protocol type, 1 Loronix
[CAV Type]
                                            [int] NOT NULL,
                                                                                   -- 1 = Serial comms, 2 = TCP/IP, DVR communication type
[CAV_DataServerIPAddress]
                                            [char] (64) NOT NULL,
                                                                                   -- IP address of data server
[CAV MatrixServerIPAddress]
                                            [char] (64) NOT NULL,
                                                                                   -- IP address of data server
                                                                                   -- IP address of data server
[CAV_MatrixServerPort]
                                            [char] (64) NOT NULL,
[CAV_MatrixServerName]
                                            [char] (64) NOT NULL,
                                                                                   -- IP address of data server
[CAV_StreamingServerIPAddress]
                                            [char] (64) NOT NULL,
                                                                                   -- IP address of streaming server
[CAV_StorageServerIPAddress]
                                            [char] (64) NOT NULL,
                                                                                   -- IP address of storage server
[CAV LoginID]
                                            [char] (64) NOT NULL,
                                                                                   -- Login id on DVR
[CAV Password]
                                                                                   -- login password on DVR, encrypted
                                            [char] (64) NOT NULL,
[CAV_NetBandwidth]
                                            [int] NOT NULL,
                                                                                   -- video transmission bandwidth 0:10MBPS, 1:100MBPS,
                                                                                     2:check at start up 3: 1GBPS,
[CAV ArchiveDeviceExists]
                                            [int] NOT NULL,
                                                                                   -- no dat exists, 1:exists
[CAV_ArchiveName]
                                            [char] (64) NOT NULL.
[CAV ArchiveSize]
                                            [int] NOT NULL,
[CAV_NumArchiveDevices]
                                            [int] NOT NULL,
                                                                                   -- indication of a number of devs
[CAV_ArchiveHasMedia]
                                            [int] NOT NULL,
                                                                                   -- 1: has media, 0: no media in a deck
[CAV DateTime]
                                                                                   -- indidate that DVR's time has been changed
                                            [int] NOT NULL,
[CAV AlarmClearAll]
                                            [int] NOT null,
                                                                                   -- alear all alarms
[CAV Login]
                                            [int] not null,
                                                                                   -- 1: logged on 0: not logged in
[CAV_Logoff]
                                            [int] not null,
                                                                                   -- 1: not logged in, 0: logged on
[CAV_LoginState]
                                            [int] not null,
                                                                                   -- check do we have a pc
[CAV_MimicDVR]
                                            [int] not null,
                                                                                   -- mimic a DVR
[CAV_TestIP]
                                            [int] not null,
                                                                                   -- 1: request the validity of IP address of a dvr
[CAV_CheckPIN]
                                            [int] not null,
                                                                                   -- 1: check equipment
[CAV_ErrorSend]
                                            [int] not null,
[CAV_FatalErrorSend]
                                            [int] not null,
[CAV Special]
                                            [int] not null,
[CAV GeneralString]
                                            [char] (64) not null,
[CAV_PresetExists]
                                            [int] not null,
[CAV PresetStopExists]
                                            [int] not null,
[CAV_PresetRecordExists]
                                            [int] not null,
[CAV_PresetPlayExists]
                                            [int] not null,
[CAV_CameraAuxiliaryExists]
                                            [int] not null,
[CAV_CameraAuxiliaryPlayExists]
                                            [int] not null,
[CAV_CameraAuxiliaryStopExists]
                                            [int] not null,
[CAV CameraAuxiliaryMax]
                                            [int] not null,
[CAV PresetMax]
                                            [int] not null,
[CAV_CameraGroup]
                                            [int] not null,
[CAV CameraGroupMax]
                                            [int] not null,
[CAV_CameraCount]
                                            [int] not null,
[CAV_CameraMax]
                                            [int] not null.
[CAV\_MonitorCount]
                                            [int] NOT NULL,
[CAV_MonitorMax]
                                            [int] NOT NULL,
[CAV_ActiveCameraExists]
                                            [int] not null,
[CAV SetActiveCamera]
                                            [int] not null,
                                                                                   -- the number of camera group
[CAV ChannelGroup]
                                            [int] not null.
[CAV ChannelGroupMax]
                                            [int] not null,
                                                                                   -- the number of channel group max
[CAV_ChannelCount]
                                            [int] not null,
                                                                                   -- number of channels configured
                                            [int] not null,
[CAV_ChannelMax]
                                                                                   -- the number of channels configured in this DVR
[CAV_ActiveChannelExists]
                                            [int] not null,
[CAV_SetActiveChannel]
                                            [int] not null,
[CAV AlarmExists]
                                            [int] NOT NULL,
                                                                                   -0 = No, 1 = Yes, 2 = Use default
[CAV_AlarmCount]
                                            [int] NOT NULL,
                                                                                   -- Number configured in database
[CAV_AlarmMax]
                                                                                   -- Number created in namespace, -1 = Use default
                                            [int] NOT NULL,
[CAV AlarmLossOfVideoSignalExists]
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
                                            [int] NOT NULL,
[CAV AlarmLossOfVideoSignal]
                                            [int] NOT NULL,
                                                                                   --0 = No, 1 = Yes, 2 = Use default
[CAV AlarmStopLossOfVideoSignalExists]
                                            [int] NOT NULL,
                                                                                  --0 = No, 1 = Yes, 2 = Use default
[CAV AlarmMotionDetectionExists]
                                                                                  --0 = No, 1 = Yes, 2 = Use default
                                            [int] NOT NULL,
[CAV_AlarmMotionDetection]
                                            [int] NOT NULL,
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
[CAV AlarmStopMotionDetection]
                                            [int] NOT NULL,
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
[CAV_AuxiliaryExists]
                                            [int] NOT NULL,
                                                                                   -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
[CAV_AuxiliaryCount]
                                            [int] NOT NULL,
                                                                                   -- Number configured in database
[CAV AuxiliaryMax]
                                            [int] NOT NULL,
                                                                                   -- Number created in namespace, -1 = Use default
[CAV AuxiliaryPlayExists]
                                            [int] NOT NULL,
                                                                                   --0 = No, 1 = Yes, 2 = Use default
```

```
[CAV AuxiliaryPlay]
                                            [int] NOT NULL,
                                                                                -- 0 = No, 1 = Yes, 2 = Use default
 [CAV_AuxiliaryStopExists]
                                            [int] NOT NULL,
                                                                                -- 0 = No, 1 = Yes, 2 = Use default
 [CAV_AuxiliaryStop]
                                            [int] NOT NULL,
                                                                                -- 0 = No, 1 = Yes, 2 = Use default
                                            CHAR(32) NOT NULL,
                                                                                -- Site Name
 site
                                            uniqueidentifier NOT NULL,
                                                                                -- Global unique record identifier
 CAV\_guid
 CAV_checksum
                                            INTEGER NOT NULL,
                                                                                -- Record checksum
 upd_guid
                                            uniqueidentifier NOT NULL,
                                                                                -- Guid for update operation
 upd_mode
                                            SMALLINT NOT NULL,
                                                                                -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                                            DATETIME NOT NULL,
                                                                                -- Date / Time of the update
 upd checksum
                                            INTEGER NOT NULL,
                                                                                -- Checksum
                                            uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                                              newid() UNIQUE NOT NULL,
                                                                                -- Global unique record identifier
 -- dvr alarm and message fordwarding (p2000 3.1)
 [CAV In MotionTimezone]
                                            INTEGER NULL.
                                                                                -- time zone ID
 [CAV_In_BehaviorTimezone]
                                            INTEGER NULL,
                                                                                -- time zone ID
 [CAV_In_VideolossTimezone]
                                            INTEGER NULL,
                                                                                -- time zone ID
 [CAV_In_DrycontactTimezone]
                                                                                -- time zone ID
                                            INTEGER NULL,
 [CAV_Out_Mode]
                                            [int] NOT NULL,
                                                                                -- 0 send no AV Alarms, 1 send all AV Alarms,
                                                                                   2 send filtered AV Alarms
 [CAV Out Timezone1]
                                            INTEGER NULL,
                                                                                -- time zone ID
                                                                                -- message filter group ID
 [CAV_Out_Filtergroup1]
                                            INTEGER NULL,
 [CAV_Motion_Debounce_Time]
                                            [int] NOT NULL,
 [CAV_Behavior_Debounce_Time]
                                            [int] NOT NULL,
 [CAV\_DryContactCount]
                                            [int] NOT NULL,
 [CAV DryContactMax]
                                            [int] NOT NULL,
 [CAV_primaryDirectoryServerIP_subnet1]
                                            [char] (64) NOT NULL,
 [CAV_secondaryDirectoryServerIP_subnet1]
                                            [char] (64) NOT NULL,
 [CAV_tertiaryDirectoryServerIP_subnet1]
                                            [char] (64) NOT NULL,
 [CAV use subnet2]
                                            SMALLINT,
 [CAV_primaryDirectoryServerIP_subnet2]
                                            [char] (64) NOT NULL,
 [CAV_secondaryDirectoryServerIP_subnet2]
                                            [char] (64) NOT NULL,
 [CAV_tertiaryDirectoryServerIP_subnet2]
                                            [char] (64) NOT NULL,
 [CAV\_ext\_id\_address]
                                            [int] NULL,
 [CAV_ext_guid_address]
[CAV_xml_info]
                                            [uniqueidentifier] NULL,
                                            nvarchar(1024) NULL,
 PRIMARY KEY
                                            ( CAV_Partition, CAV_ID, upd_mode desc, upd_guid )
);
```

### CREATE TABLE bacnetoid

bno_oid	INTEGER PRIMARY KEY,	unique BACnet object ID (also used as database ID)
bno_type	SMALLINT,	0 = Counter, 1 = Reader Terminal, 2 = Input Terminal,
		3 = Output Terminal, 4 = Reader, 5 = Input, 6 = Output,
		7 = Host Event Notify, 8 = Host Log Notify,
		9 = Host Logic Notify, 10 = Audit Log Notify,
		11 = Panel Notify, 12 = Panel Event Notify,
		13 = Hardware Notify, 14 = Terminal Notify,
		15 = Reader Notify, 16 = Input Notify, 17 = Output Notify,
		18 = Grant Notify, 19 = Deny Notify, 20 = Trace Notify,
		21 = Time and Attendance Notify,
bno panel id	INTEGER REFERENCES panel(p panel id)	
	NOT FOR REPLICATION,	unique ID of panel this Object ID references (only valid when
		bno_type is 11, 12, 13, 14, 15, 16, 17, 18, 19, 20 or 21)
bno_counter_id	INTEGER REFERENCES counter(ctr_id)	
	NOT FOR REPLICATION,	unique ID of counter this Object ID references (only valid
		when bno_type is 0)
bno terminal id	INTEGER REFERENCES terminal(tp term id)	
	NOT FOR REPLICATION,	unique ID of terminal this Object ID references (only valid
		when bno type is 1, 2, 3 or 4)
bno input id	INTEGER REFERENCES input(ip_point_id)	
	NOT FOR REPLICATION,	unique ID of input point this Object ID references (only valid
		when bno type is 5)
bno output id	INTEGER REFERENCES output(op output id)	
	1 1 - /	

NOT FOR REPLICATION, -- unique ID of input point this Object ID references (only valid when bno\_type is 6) CHAR(32) NOT NULL. -- Site Name site uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier bno\_guid INTEGER NOT NULL, -- Record checksum bno checksum CREATE INDEX bno\_type ON bacnetoid ( bno\_type ); **CREATE TABLE** bacnetsource INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, bns id -- unique database ID bns\_name CHAR(32) NOT NULL, -- unique Pegasys name of the source -- IP address of the source (valid only if bns\_ip\_address CHAR(16), bns computer name is empty) bns computer name CHAR(32), -- DNS name of the source (valid only if bns ip address SMALLINT NOT NULL, -- 0 = Deny access, 1 = Allow access bns allow bns\_routed SMALLINT NOT NULL, --0 = not routed, 1 = Routedsite CHAR(32) NOT NULL, -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier bns guid bns checksum INTEGER NOT NULL, -- Record checksum PRIMARY KEY (bns\_id) CREATE UNIQUE INDEX bns site\_name ON bacnetsource (site, bns\_name); CREATE TABLE bacnetsource save INTEGER NOT NULL,  $bns_id$ -- unique database ID bns name CHAR(32) NOT NULL, -- unique Pegasys name of the source -- IP address of the source (valid only if bns computer name is empty) bns ip address CHAR(16), bns computer name CHAR(32), -- DNS name of the source (valid only if bns ip address is empty) SMALLINT NOT NULL, -- 0 = Deny access, 1 = Allow accessbns\_allow bns\_routed --0 =not routed, 1 =Routed SMALLINT NOT NULL, CHAR(32) NOT NULL, -- Site Name site bns guid uniqueidentifier NOT NULL, -- Global unique record identifier bns checksum INTEGER NOT NULL, -- Record checksum upd guid uniqueidentifier NOT NULL, -- Guid for update operation upd\_mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) upd timestamp DATETIME NOT NULL, -- Date / Time of the update upd checksum INTEGER NOT NULL, -- Checksum uniqueidentifier ROWGUIDCOL DEFAULT upd\_rowguid newid() UNIQUE NOT NULL, -- Global unique record identifier PRIMARY KEY (bns id, upd mode desc, upd guid) ); CREATE TABLE badge INTEGER REFERENCES partition(part\_number) b partition NOT FOR REPLICATION, -- partition ID to which this badge belongs b public SMALLINT, -1 = badge is public, 0 = badge is private VARCHAR(100) PRIMARY KEY NOT NULL, b number str -- badge number b cardholder id INTEGER REFERENCES cardholder(c id) NOT FOR REPLICATION, -- cardholder ID of cardholder who has this badge CHAR(4) NULL, b alpha -- alpha field of badge b issue SMALLINT, -- issue level b description CHAR(64) NULL, -- user entered description b disabled SMALLINT NOT NULL, -1 = disabled, 0 = active-- expiration timestamp

-- start timestamp

-- event privilege

-- pin code

DATETIME,

DATETIME,

SMALLINT,

INTEGER,

b exp timestamp

b start timestamp

b\_event\_priv

b\_pin

b_exec_priv	SMALLINT, $1 = 0$	executive privilege	
b_trace	SMALLINT, $1 = 0$	card trace on	
b_override	SMALLINT, $-1 = 0$	override on	
b_access_grp_0	INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR RI	EPLICATION,	access group # 1
b_access_grp_1	INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR RI	EPLICATION,	access group # 2
b_access_grp_2	INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR RI	EPLICATION,	access group # 3
b_access_grp_3	INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR RI	EPLICATION,	access group # 4
b_access_grp_4	INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR RI		access group # 5
b_access_grp_5	INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR RI	EPLICATION,	access group # 6
b_access_grp_6	INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR RI	EPLICATION,	access group # 7
b_access_grp_7	INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR RI		access group # 8
b_access_tz_0	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR RE	EPLICATION,	access timezone # 1
b_access_tz_1	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR RE	EPLICATION,	access timezone # 2
b_access_tz_2	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR RE	EPLICATION,	access timezone # 3
b_access_tz_3	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR RE	EPLICATION,	access timezone # 4
b_access_tz_4	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR RE	EPLICATION,	access timezone # 5
b_access_tz_5	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR RE	EPLICATION,	access timezone # 6
b_access_tz_6	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR RE	EPLICATION,	access timezone # 7
b_access_tz_7	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR RE	EPLICATION,	access timezone # 8
b_reason	CHAR(32) NULL,		reason for badge issue
b_design	INTEGER NULL REFERENCES badgelayout(bl_id) NOT FOR	REPLICATION,	badge design ID
b_interlock1	INTEGER REFERENCES actioninterlock(ai_id) NOT FOR REP	LICATION,	id of action interlock 1 to activate
b_interlock1_value	FLOAT,		value for action interlock 1
b_interlock2	INTEGER REFERENCES actioninterlock(ai_id) NOT FOR REP	LICATION,	id of action interlock 2 to activate
b_interlock2_value	FLOAT,		value for action interlock 2
b_priority	SMALLINT,		Badge Priority
b_dnld_sti_e	SMALLINT,		Download badge to STI-E if 1, otherwise 0
b ag start0	DATETIME,		start timestamp of access group 1
b_ag_start1	DATETIME,		start timestamp of access group 2
b ag start2	DATETIME,		start timestamp of access group 3
b ag start3	DATETIME,		start timestamp of access group 4
b_ag_start4	DATETIME,		start timestamp of access group 5
b_ag_start5	DATETIME,		start timestamp of access group 6
b ag start6	DATETIME,		start timestamp of access group 7
b_ag_start7	DATETIME,		start timestamp of access group 8
b_ag_end0	DATETIME,		end timestamp of access group 1
b ag end1	DATETIME,		end timestamp of access group 2
b_ag_end2	DATETIME,		end timestamp of access group 3
b_ag_end3	DATETIME,		end timestamp of access group 4
b ag end4	DATETIME,		end timestamp of access group 5
b ag end5	DATETIME,		end timestamp of access group 6
b_ag_end6	DATETIME,		end timestamp of access group 7
b ag end7	DATETIME,		end timestamp of access group 8
b_facility_code	INTEGER,		facility code 0 to 65535
b security level	SMALLINT,		security level 0-99
b flag a	SMALLINT,		special flag A
b_flag_b	SMALLINT,		special flag B
b_flag_c	SMALLINT,		special flag C
b_block_xaction	SMALLINT,		Block Bages: 1= block transaction,
			0 = allow transaction
site	CHAR(32) NOT NULL,		Site Name
site	CHAR(32) NOT NULL,		Site Name
b_guid	uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,		Global unique record identifier
b checksum	INTEGER NOT NULL,		Record checksum
b access grp 8	INTEGER NULL REFERENCES accgroup(ag id) NOT FOR RI	EPLICATION.	access group # 9
b_access_grp_9	INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR RI		access group # 10
b_access_grp_10	INTEGER NULL REFERENCES accgroup(ag id) NOT FOR RI		access group # 11
b access grp 11	INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR RI		access group # 12
b_access_grp_12	INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR RI		access group # 13
b_access_grp_13	INTEGER NULL REFERENCES accgroup(ag id) NOT FOR RI		access group # 14
b access grp 14	INTEGER NULL REFERENCES accgroup(ag id) NOT FOR RI		access group # 15
b_access_grp_15	INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR RI		access group # 16
b_access_grp_16	INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR RI		access group # 17
b access grp 17	INTEGER NULL REFERENCES accgroup(ag id) NOT FOR RI		access group # 18
		7	<b>U</b> 1

```
INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
b access grp 18
                                                                                                 -- access group # 19
b_access_grp_19
                        INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 20
b_access_grp_20
                        INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 21
b_access_grp_21
                        INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 22
                                                                                                 -- access group # 23
b_access_grp_22
                        INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
b_access_grp_23
                        INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                  -- access group # 24
b_access_grp_24
                        INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                  -- access group # 25
b_access_grp_25
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 26
b_access_grp_26
                        INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 27
b access grp 27
                        INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                                                                                                 -- access group # 28
b_access_grp_28
                        INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 29
b_access_grp_29
                        INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 30
                                                                                                 -- access group # 31
b_access_grp_30
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
b_access_grp_31
                        INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 32
b access tz 8
                        INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 9
b_access_tz_9
                        INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 10
b\_access\_tz\_10
                                                                                                  -- access timezone # 11
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                                 -- access timezone # 12
b_access_tz_11
                        INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
b access tz 12
                        INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 13
b access tz 13
                        INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 14
b_access_tz_14
                        INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                                 -- access timezone # 15
b_access_tz_15
                        INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 16
                        INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 17
b_access_tz_16
b access tz 17
                        INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 18
b access tz 18
                        INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 19
b access tz 19
                        INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 20
b_access_tz_20
                        INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 21
b access tz 21
                        INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 22
b access tz 22
                        INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 23
b_access_tz_23
                        INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                                 -- access timezone # 24
b access tz 24
                                                                                                 -- access timezone # 25
                        INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
b access tz 25
                        INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 26
b_access_tz_26
                        INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 27
b access tz 27
                        INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 28
b_access_tz_28
                        INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 29
b_access_tz_29
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                                 -- access timezone # 30
b access tz 30
                        INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                                 -- access timezone # 31
b_access_tz_31
                        INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                                  -- access timezone # 32
b_ag_start8
                                                                                                  -- start timestamp of access group 9
b_ag_start9
                        DATETIME,
                                                                                                 -- start timestamp of access group 10
b_ag_start10
                        DATETIME.
                                                                                                 -- start timestamp of access group 11
b_ag_start11
                        DATETIME.
                                                                                                  -- start timestamp of access group 12
b ag start12
                        DATETIME,
                                                                                                  -- start timestamp of access group 13
b_ag_start13
                        DATETIME,
                                                                                                  -- start timestamp of access group 14
b_ag_start14
                        DATETIME,
                                                                                                  -- start timestamp of access group 15
b_ag_start15
                        DATETIME.
                                                                                                  -- start timestamp of access group 16
b ag start16
                        DATETIME.
                                                                                                  -- start timestamp of access group 17
b ag start17
                        DATETIME,
                                                                                                  -- start timestamp of access group 18
b_ag_start18
                        DATETIME,
                                                                                                  -- start timestamp of access group 19
b_ag_start19
                                                                                                  -- start timestamp of access group 20
                        DATETIME.
b_ag_start20
                                                                                                  -- start timestamp of access group 21
                        DATETIME,
b_ag_start21
                        DATETIME,
                                                                                                  -- start timestamp of access group 22
b ag start22
                                                                                                  -- start timestamp of access group 23
                        DATETIME,
b_ag_start23
                        DATETIME,
                                                                                                  -- start timestamp of access group 24
b_ag_start24
                                                                                                  -- start timestamp of access group 25
                        DATETIME.
b_ag_start25
                        DATETIME
                                                                                                  -- start timestamp of access group 26
b ag start26
                        DATETIME,
                                                                                                  -- start timestamp of access group 27
b ag start27
                        DATETIME,
                                                                                                  -- start timestamp of access group 28
b_ag_start28
                        DATETIME,
                                                                                                  -- start timestamp of access group 29
b_ag_start29
                        DATETIME,
                                                                                                  -- start timestamp of access group 30
b_ag_start30
                        DATETIME,
                                                                                                  -- start timestamp of access group 31
b ag start31
                        DATETIME,
                                                                                                  -- start timestamp of access group 32
b_ag_end8
                        DATETIME,
                                                                                                  -- end timestamp of access group 9
b ag end9
                        DATETIME,
                                                                                                  -- end timestamp of access group 10
b_ag_end10
                        DATETIME,
                                                                                                  -- end timestamp of access group 11
```

```
b ag end11
                          DATETIME,
                                                                                                     -- end timestamp of access group 12
 b_ag_end12
                          DATETIME,
                                                                                                     -- end timestamp of access group 13
 b_ag_end13
                          DATETIME,
                                                                                                     -- end timestamp of access group 14
                                                                                                     -- end timestamp of access group 15
 b_ag_end14
                          DATETIME,
 b_ag_end15
                          DATETIME,
                                                                                                     -- end timestamp of access group 16
 b_ag_end16
                          DATETIME,
                                                                                                     -- end timestamp of access group 17
 b ag end17
                          DATETIME,
                                                                                                     -- end timestamp of access group 18
 b_ag_end18
                          DATETIME
                                                                                                     -- end timestamp of access group 19
 b ag end19
                          DATETIME.
                                                                                                     -- end timestamp of access group 20
 b ag end20
                          DATETIME,
                                                                                                     -- end timestamp of access group 21
 b_ag_end21
                          DATETIME,
                                                                                                     -- end timestamp of access group 22
 b ag end22
                          DATETIME,
                                                                                                     -- end timestamp of access group 23
 b_ag_end23
                                                                                                     -- end timestamp of access group 24
                          DATETIME.
 b_ag_end24
                          DATETIME.
                                                                                                     -- end timestamp of access group 25
 b ag end25
                          DATETIME,
                                                                                                     -- end timestamp of access group 26
 b_ag_end26
                          DATETIME,
                                                                                                     -- end timestamp of access group 27
 b_ag_end27
                          DATETIME.
                                                                                                     -- end timestamp of access group 28
 b_ag_end28
                                                                                                     -- end timestamp of access group 29
                          DATETIME
 b ag end29
                          DATETIME,
                                                                                                     -- end timestamp of access group 30
 b ag end30
                                                                                                     -- end timestamp of access group 31
                          DATETIME.
 b_ag_end31
                          DATETIME
                                                                                                     -- end timestamp of access group 32
 b_purpose
                          uniqueidentifier REFERENCES badgepurpose(bp_guid) NOT FOR REPLICATION,
 b_data style
                          SMALLINT NOT NULL,
                                                                                                     -- 0 = normal, 1 = FASCN
 b default floor
                          SMALLINT,
                                                                                                     -- Otis Compass default floor for this
                                                                                                       hadge
                          INTEGER REFERENCES floormask(fm id) NOT FOR REPLICATION,
 b otis pin floor mask
                                                                                                     -- id of floor mask used with Otis
                                                                                                       Compass pin code is received
                          CHAR(32),
                                                                                               -- Operator that last modified record
 b operator
 b edit time
                          DATETIME,
                                                                                               -- Time this record was last edited
 b technology
                          INTEGER NOT NULL,
                                                                                               -- technology of badge format
                                                                                               -- the number of bits in the badge format
 b bits
                          INTEGER NOT NULL,
 b_qualifier
                          INTEGER NOT NULL,
                                                                                               -- format qualifier for the badge format
 CREATE INDEX
                          b partition ON badge (b partition);
 CREATE INDEX
                          b public ON badge (b public);
 CREATE INDEX
                          b_cardholder_id ON badge ( b_cardholder_id );
 CREATE INDEX
                          b_disabled ON badge ( b_disabled );
 CREATE INDEX
                          b expire ON badge (b exp timestamp);
 CREATE INDEX
                          b_valid ON badge ( b_start_timestamp );
 CREATE INDEX
                          b_ag_start0 ON badge ( b_ag_start0 );
 CREATE INDEX
                          b_ag_start1 ON badge ( b_ag_start1 );
 CREATE INDEX
                          b ag start2 ON badge (b ag start2);
 CREATE INDEX
                          b ag start3 ON badge (b ag start3);
 CREATE INDEX
                          b_ag_start4 ON badge ( b_ag_start4 );
 CREATE INDEX
                          b_ag_start5 ON badge ( b_ag_start5 );
                          b_ag_start6 ON badge ( b_ag_start6 );
 CREATE INDEX
 CREATE INDEX
                          b ag start7 ON badge (b ag start7);
 CREATE INDEX
                          b ag end0 ON badge (b ag end0);
 CREATE INDEX
                          b_ag_end1 ON badge ( b_ag_end1 );
 CREATE INDEX
                          b_ag_end2 ON badge ( b_ag_end2 );
 CREATE INDEX
                          b_ag_end3 ON badge ( b_ag_end3 );
 CREATE INDEX
                          b ag end4 ON badge (b ag end4);
 CREATE INDEX
                          b ag end5 ON badge (b ag end5);
 CREATE INDEX
                          b_ag_end6 ON badge ( b_ag_end6 );
 CREATE INDEX
                          b_ag_end7 ON badge ( b_ag_end7 );
CREATE TABLE
                     badgefields
 bf id
                          INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                   -- unique database ID
 bf_name
                          CHAR(60) NOT NULL,
                                                                                   -- badge field's name
                          CHAR(30) NULL,
 bf_db_field_name
                                                                                   -- database field where this data comes from
```

bf db table name

bf db column width

CHAR(30) NOT NULL,

INTEGER NOT NULL,

-- database table where this data comes from

-- database field column width where this data comes

from (ie maximum length of the data) bf\_default\_pad\_char CHAR(1) NOT NULL, -- For mag stripes, the pad character (ie <space> for text and zero for number) CHAR(32) NOT NULL, -- Site Name site bf guid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier bf checksum INTEGER NOT NULL, -- Record checksum PRIMARY KEY (bf id, bf name) CREATE UNIOUE INDEX bf site name ON badgefields (site, bf name); CREATE TABLE badgefields\_save bf id INTEGER NOT NULL, -- unique database ID bf name CHAR(60) NOT NULL, -- badge field's name bf db field name CHAR(30) NULL, -- database field where this data comes from bf\_db\_table\_name CHAR(30) NOT NULL, -- database table where this data comes from INTEGER NOT NULL, -- database field column width where this data comes from (ie bf\_db\_column\_width maximum length of the data) bf default pad char CHAR(1) NOT NULL, -- For mag stripes, the pad character (ie <space> for text and zero for number) site CHAR(32) NOT NULL, -- Site Name bf\_guid -- Global unique record identifier uniqueidentifier NOT NULL, bf checksum INTEGER NOT NULL, -- Record checksum upd guid uniqueidentifier NOT NULL, -- Guid for update operation upd mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) -- Date / Time of the update upd timestamp DATETIME NOT NULL, -- Checksum INTEGER NOT NULL, upd\_checksum uniqueidentifier ROWGUIDCOL DEFAULT upd\_rowguid newid() UNIQUE NOT NULL, -- Global unique record identifier PRIMARY KEY (bf id, upd mode desc, upd guid) ); **CREATE TABLE** badgeformats bf name NVARCHAR(32) NOT NULL, -- user assigned name for badge format -- badge technology (0 = not specified, 1 = MagStripe, bf technology INTEGER NOT NULL, 2 = Weigand, 3 = Prox, 4 = Corp1000, 5 = SmartCard,6 = IClass, 7 = Mifare)bf bits INTEGER NOT NULL, -- number of bits in badge format bf qualifier INTEGER NOT NULL, -- qualifier of badge format INTEGER REFERENCES partition(part\_number) bf\_partition NOT FOR REPLICATION, -- partition ID to which this format belongs -1 = format is public, 0 = format is private SMALLINT. bf public site NVARCHAR(32), -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier bf guid bf checksum INTEGER NOT NULL, -- Record checksum PRIMARY KEY (bf\_guid) ); CREATE TABLE badgeformats\_save -- user assigned name for badge format bf name NVARCHAR(32) NOT NULL, bf technology INTEGER NOT NULL, -- badge technology (0 = not specified, 1 = MagStripe, 2 = Weigand, 3 = Prox, 4 = Corp1000, 5 = SmartCard,6 = IClass, 7 = Mifare)bf bits INTEGER NOT NULL, -- number of bits in badge format bf qualifier INTEGER NOT NULL, -- qualifier of badge format bf partition INTEGER. -- partition ID to which this format belongs

SMALLINT,

NVARCHAR(32) NOT NULL,

uniqueidentifier NOT NULL,

bf public

bf\_guid

site

-1 =format is public, 0 =format is private

-- Global unique record identifier

-- Site Name

```
bf checksum
                          INTEGER NOT NULL,
                                                                              -- Record checksum
 upd_guid
                          uniqueidentifier NOT NULL,
                                                                              -- Guid for update operation
 upd_mode
                          SMALLINT NOT NULL,
                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                          DATETIME NOT NULL,
                                                                              -- Date / Time of the update
 upd checksum
                          INTEGER NOT NULL,
                                                                              -- Checksum
 PRIMARY KEY
                          (bf_guid, upd_mode desc, upd_guid)
CREATE TABLE badgelayout
                          INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY,
                                                                                                -- unique database ID
 bl id
 bl_name
                          CHAR(25) NOT NULL,
                                                                                                -- badge layout name
                          CHAR(32) NOT NULL,
                                                                                                -- Site Name
 site
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                                -- Global unique record identifier
 bl guid
 bl checksum
                          INTEGER NOT NULL,
                                                                                                -- Record checksum
 bl_image
                          IMAGE,
                                                                                                -- layout image
 CREATE UNIQUE INDEX
                                bl_site_name ON badgelayout (site, bl_name);
CREATE TABLE badgelayout save
 bl_id
                          INTEGER NOT NULL,
                                                                              -- unique database ID
 bl_name
                          CHAR(25) NOT NULL,
                                                                              -- badge layout name
                          CHAR(32) NOT NULL,
                                                                              -- Site Name
 site
                                                                              -- Global unique record identifier
 bl guid
                          uniqueidentifier NOT NULL.
 bl checksum
                          INTEGER NOT NULL,
                                                                              -- Record checksum
 upd_guid
                          uniqueidentifier NOT NULL,
                                                                              -- Guid for update operation
                          SMALLINT NOT NULL,
                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_mode
 upd timestamp
                          DATETIME NOT NULL,
                                                                              -- Date / Time of the update
 upd checksum
                          INTEGER NOT NULL,
                                                                              -- Checksum
 upd rowguid
                          uniqueidentifier ROWGUIDCOL DEFAULT
                            newid() UNIQUE NOT NULL,
                                                                              -- Global unique record identifier
 bl image
                          IMAGE,
                                                                              -- layout image
 PRIMARY KEY
                          (bl_id, upd_mode desc, upd_guid)
CREATE TABLE badgemagformula
 bmf id
                          INTEGER IDENTITY NOT FOR
                            REPLICATION UNIQUE,
                                                                                 -- unique database ID
 bmf formula no
                          SMALLINT,
                                                                                 -- mag stripe number, 1 = \text{stripe } 1, 2 = \text{stripe } 2, etc.
 bmf field type
                                                                                 -- 0 = database field (includes UDF), 1 = user specified
                          SMALLINT,
 -- bmf field id
                                                                                 -- Causes GPF in SQL Server when inserting a NULL value
                          INTEGER NULL REFERENCES badgefields(bf id),
                                                                                   in this field (SQL Server 7 SP1)
 bmf field id
                          INTEGER NULL,
                                                                                 -- field id from badge fields, NULL if field is user specified
 bmf min field length
                          SMALLINT,
                                                                                 -- minimum length of data allowed in the field
 bmf max field length
                                                                                 -- maximum length of data allowed in the field
                          SMALLINT,
 bmf field order
                          SMALLINT,
                                                                                 -- order the fields appear on the stripe
 bmf field pad
                          CHAR(1) NOT NULL,
                                                                                 -- character used between fields for padding
 bmf_field_content
                          CHAR(255) NULL,
                                                                                 -- field name if this is a database field, actual data if this is a
                                                                                   user specified field
                          SMALLINT,
 bmf_right_pad
                                                                                 -- 0 = Left pad string, 1 = Right pad string
```

bmf field delimiter

PRIMARY KEY

site

);

bmf\_guid bmf\_checksum CHAR(1) NULL.

CHAR(32) NOT NULL,

INTEGER NOT NULL,

(bmf\_id, bmf\_formula\_no)

uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,

-- character used between fields for padding

-- Global unique record identifier

-- Site Name

-- Record checksum

# CREATE TABLE badgemagformula\_save

bmf id INTEGER NOT NULL, bmf formula no SMALLINT, SMALLINT, bmf field type bmf field id INTEGER NULL, bmf min field length SMALLINT, bmf\_max\_field\_length SMALLINT, bmf field order SMALLINT,

bmf\_field pad CHAR(1) NOT NULL, bmf field content CHAR(255) NULL,

bmf\_right\_pad SMALLINT, bmf\_field\_delimiter CHAR(1) NULL, CHAR(32) NOT NULL, site uniqueidentifier NOT NULL, bmf guid  $bmf\_checksum$ INTEGER NOT NULL, uniqueidentifier NOT NULL, upd guid upd mode SMALLINT NOT NULL, upd timestamp DATETIME NOT NULL,

upd checksum INTEGER NOT NULL,

uniqueidentifier ROWGUIDCOL DEFAULT upd rowguid

newid() UNIQUE NOT NULL,

PRIMARY KEY (bmf\_id, bmf\_formula\_no, upd\_mode desc, upd\_guid) -- unique database ID

-- mag stripe number, 1 = stripe 1, 2 = stripe 2, etc. -- 0 = database field (includes UDF), 1 = user specified -- field id from badge fields, NULL if field is user specified

-- minimum length of data allowed in the field -- maximum length of data allowed in the field

-- order the fields appear on the stripe -- character used between fields for padding

-- field name if this is a database field, actual data if this is a user

specified field -- 0 = Left pad string, 1 = Right pad string

-- character used between fields for padding

-- Site Name

-- Global unique record identifier

-- Record checksum -- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Date / Time of the update

-- Checksum

-- Global unique record identifier

# **CREATE TABLE** badgepurpose

);

);

uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, bp\_guid bp\_partition INTEGER REFERENCES partition(part\_number) NOT

FOR REPLICATION,

bp public SMALLINT.

CHAR(32) NOT NULL, bp\_name CHAR(32) NOT NULL, site bp checksum INTEGER NOT NULL, PRIMARY KEY (bp name, site)

-- Global unique record identifier

-- partition ID to which this purpose belongs -1 = purpose is public, 0 = purpose is private

-- name of purpose -- Site Name -- Record checksum

CREATE TABLE badgepurpose\_save

bp\_guid uniqueidentifier NOT NULL, bp partition INTEGER. SMALLINT, bp\_public CHAR(32) NOT NULL, bp\_name CHAR(32) NOT NULL, site INTEGER NOT NULL, bp checksum upd guid uniqueidentifier NOT NULL, SMALLINT NOT NULL, upd mode DATETIME NOT NULL, upd\_timestamp

upd checksum INTEGER NOT NULL, upd rowguid uniqueidentifier ROWGUIDCOL DEFAULT

newid() UNIQUE NOT NULL,

PRIMARY KEY (bp guid, upd mode desc, upd guid) -- Global unique record identifier

-- partition ID to which this purpose belongs -- 1 = purpose is public, 0 = purpose is private

-- name of purpose -- Site Name -- Record checksum

-- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Date / Time of the update

-- Checksum

-- Global unique record identifier

#### CREATE TABLE badgesetup

be printer VARCHAR(500), bc\_layout\_path CHAR(255), be is portrait SMALLINT, bc\_is\_fingerprint SMALLINT,

-- Badging printer name

-- badge layout file path -- 1 = portrait is enabled

-- 1 = fingerprint is enabled

```
SMALLINT,
                                                                                        -- 1 = signature is enabled
 bc is signature
 bc_instance_portrait
                               INT,
                                                                                        -- number of portrait instances
 bc_instance_fingerprint
                               INT.
                                                                                        -- number of fingerprint instances
 bc_instance_signature
                               INT,
                                                                                        -- number of signature instances
                                                                                        -- device for portrait capture
 be device portrait
                               VARCHAR(255),
 bc_device_fingerprint
                               VARCHAR(255),
                                                                                        -- device for fingerprint capture
 bc_device_signature
                               VARCHAR(255),
                                                                                        -- device for signature capture
                               uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 bc_guid
                                                                                        -- Global unique record identifier
 bc checksum
                               INTEGER NOT NULL,
                                                                                        -- Record checksum
                               INTEGER REFERENCES station(stn id) NOT
 be station id
                                  FOR REPLICATION NOT NULL,
                                                                                        -- station ID
 bc_enforce_cropping_aspect
                               SMALLINT NOT NULL,
                                                                                        -- 1 = enforce aspect ration when cropping
                                                                                        -- Site Name
 site
                               CHAR(32) NOT NULL,
 PRIMARY KEY
                               ( site, bc_station_id)
);
CREATE TABLE badgesetup_save
 bc_printer
                                VARCHAR(500),
                                                                                         -- Badging printer name
 be layout path
                               CHAR(255),
                                                                                         -- badge layout file path
 be is portrait
                               SMALLINT,
 bc_is_fingerprint
                               SMALLINT,
 bc_is_signature
                               SMALLINT,
 bc_instance_portrait
                               INT.
 be instance fingerprint
                               INT,
 be instance signature
                               INT.
 bc_device_portrait
                                VARCHAR(255),
                                VARCHAR(255),
 bc_device_fingerprint
 bc_device_signature
                                VARCHAR(255),
 site
                               CHAR(32) NOT NULL,
                                                                                         -- Site Name
                               uniqueidentifier UNIQUE NOT NULL,
 bc_guid
                                                                                         -- Global unique record identifier
 bc checksum
                               INTEGER NOT NULL,
                                                                                         -- Record checksum
 upd_guid
                               uniqueidentifier NOT NULL,
                                                                                         -- Guid for update operation
                               SMALLINT NOT NULL,
 upd mode
                                                                                         -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                               DATETIME NOT NULL,
                                                                                         -- Date / Time of the update
 upd checksum
                               INTEGER NOT NULL,
                                                                                        -- Checksum
                               uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                                  newid() UNIQUE NOT NULL,
                                                                                         -- Global unique record identifier
                               INTEGER NOT NULL,
 be station id
                                                                                         -- station ID
 bc_enforce_cropping_aspect
                               SMALLINT NOT NULL,
                                                                                         -- 1 = enforce aspect ration when cropping
 PRIMARY KEY
                               (bc_guid, site, upd_guid)
);
CREATE TABLE badgesite
 bs_b_guid
                          uniqueidentifier References badge(b_guid)
                            NOT FOR REPLICATION,
 bs_internal
                          SMALLINT NOT NULL,
                                                                               -- 1 = internal record, not entered by operator
 bs disabled
                          SMALLINT NOT NULL,
                                                                               -1 = disabled, 0 = active
 bs_event_priv
                          SMALLINT,
                                                                               -- event privilege
 bs_exec_priv
                          SMALLINT,
                                                                               -- 1 = executive privilege
                                                                               -1 = card trace on
                          SMALLINT
 bs_trace
 bs_override
                          SMALLINT.
                                                                               -1 = override on
 bs dnld sti e
                                                                               -- Download badge to STI-E if 1, otherwise 0
                          SMALLINT,
 bs_flag_a
                          SMALLINT,
                                                                               -- special flag A
                                                                               -- special flag B
 bs_flag_b
                          SMALLINT,
                          SMALLINT,
                                                                               -- special flag C
 bs_flag_c
 bs\_block\_xaction
                          SMALLINT.
                                                                               -- Block Bages: 1 = block transaction, 0 = allow transaction
                          CHAR(32) NOT NULL,
 bs_dnld_state
                          SMALLINT NOT NULL,
                                                                               -- last download state (0 = \text{never downloaded}, 1 = \text{active},
                                                                                 2 = disabled
 bs_interlock1
                          INTEGER REFERENCES actioninterlock(ai_id)
```

```
NOT FOR REPLICATION,
                                                                          -- id of action interlock 1 to activate
bs_interlock1_value
                       FLOAT,
                                                                          -- value for action interlock 1
bs interlock2
                       INTEGER REFERENCES actioninterlock(ai id)
                         NOT FOR REPLICATION,
                                                                          -- id of action interlock 2 to activate
bs_interlock2_value
                       FLOAT,
                                                                          -- value for action interlock 2
bs_priority
                       SMALLINT,
                                                                          -- Badge Priority
                                                                          -- security level 0-99
bs security level
                       SMALLINT,
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
bs_access_grp_0
                                                                                                 -- access group # 1
bs access grp 1
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                                                                                                -- access group # 2
bs access grp 2
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                                                                                                -- access group #3
bs_access_grp_3
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                -- access group #4
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
bs_access_grp_4
                                                                                                -- access group # 5
bs_access_grp_5
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                -- access group # 6
bs_access_grp_6
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 7
bs access grp 7
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                                                                                                 -- access group # 8
bs_access_tz_0
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                                 -- access timezone # 1
bs_access_tz_1
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                                 -- access timezone # 2
bs_access_tz_2
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                                 -- access timezone # 3
bs access tz 3
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                                 -- access timezone # 4
bs access tz 4
                       INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
                                                                                                 -- access timezone # 5
bs_access_tz_5
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                                 -- access timezone # 6
                                                                                                 -- access timezone # 7
bs_access_tz_6
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
bs_access_tz_7
                       INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,
                                                                                                 -- access timezone # 8
bs_ag_start0
                       DATETIME,
                                                                                                 -- start timestamp of access group 1
bs ag start1
                       DATETIME,
                                                                                                 -- start timestamp of access group 2
bs ag start2
                       DATETIME,
                                                                                                 -- start timestamp of access group 3
bs_ag_start3
                       DATETIME,
                                                                                                 -- start timestamp of access group 4
bs ag start4
                       DATETIME,
                                                                                                 -- start timestamp of access group 5
bs ag start5
                       DATETIME,
                                                                                                 -- start timestamp of access group 6
bs_ag_start6
                       DATETIME,
                                                                                                 -- start timestamp of access group 7
bs_ag_start7
                                                                                                 -- start timestamp of access group 8
                       DATETIME,
bs_ag_end0
                       DATETIME,
                                                                                                 -- end timestamp of access group 1
bs_ag_end1
                       DATETIME,
                                                                                                 -- end timestamp of access group 2
bs ag end2
                       DATETIME,
                                                                                                 -- end timestamp of access group 3
bs_ag_end3
                       DATETIME,
                                                                                                 -- end timestamp of access group 4
bs_ag_end4
                       DATETIME,
                                                                                                 -- end timestamp of access group 5
bs ag end5
                       DATETIME,
                                                                                                 -- end timestamp of access group 6
bs ag end6
                       DATETIME,
                                                                                                 -- end timestamp of access group 7
bs_ag_end7
                       DATETIME
                                                                                                 -- end timestamp of access group 8
site
                       CHAR(32) NOT NULL,
                                                                                                 -- Site Name
                       uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                                 -- Global unique record identifier
bs_guid
bs_checksum
                       INTEGER NOT NULL,
                                                                                                 -- Record checksum
bs cardholder active
                       SMALLINT NOT NULL,
                                                                                                 -- same as csi active from cardholder
                                                                                                   site
bs_access_grp_8
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 9
bs_access_grp_9
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                -- access group # 10
bs access grp 10
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                                                                                                -- access group # 11
bs access grp 11
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                                                                                                -- access group # 12
bs_access_grp_12
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                -- access group # 13
bs_access_grp_13
                                                                                                 -- access group # 14
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 15
bs_access_grp_14
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
bs_access_grp_15
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 16
bs access grp 16
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                                                                                                 -- access group # 17
bs_access_grp_17
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 18
bs_access_grp_18
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 19
bs_access_grp_19
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 20
bs access grp 20
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 21
bs access grp 21
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                                                                                                -- access group # 22
bs_access_grp_22
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                -- access group # 23
bs_access_grp_23
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                -- access group # 24
bs_access_grp_24
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                -- access group # 25
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
bs_access_grp_25
                                                                                                 -- access group # 26
bs_access_grp_26
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 27
                                                                                                 -- access group # 28
bs access grp 27
                       INTEGER NULL REFERENCES accgroup(ag id) NOT FOR REPLICATION,
                       INTEGER NULL REFERENCES accgroup(ag_id) NOT FOR REPLICATION,
                                                                                                 -- access group # 29
bs_access_grp_28
```

bs_access_grp_29	INTEGER NULL REFERENCES a	accgroup(ag_id) NOT FOR REPLICATION,	access group # 30
bs_access_grp_30	INTEGER NULL REFERENCES a	accgroup(ag_id) NOT FOR REPLICATION,	access group # 31
bs_access_grp_31	INTEGER NULL REFERENCES a	accgroup(ag_id) NOT FOR REPLICATION,	access group # 32
bs_access_tz_8		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 1
bs_access_tz_9		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 2
bs_access_tz_10		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 3
bs_access_tz_11		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 4
bs_access_tz_12		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 5
bs_access_tz_13		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 6 access timezone # 7
bs_access_tz_14 bs access tz 15		imezone(tz_id) NOT FOR REPLICATION, imezone(tz_id) NOT FOR REPLICATION,	access timezone # /
bs_access_tz_16		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 1
bs_access_tz_17		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 2
bs access tz 18		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 3
bs_access_tz_19		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 4
bs access tz 20		imezone(tz id) NOT FOR REPLICATION,	access timezone # 5
bs_access_tz_21		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 6
bs_access_tz_22	INTEGER NULL REFERENCES to	imezone(tz_id) NOT FOR REPLICATION,	access timezone # 7
bs_access_tz_23		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 8
bs_access_tz_24		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 1
bs_access_tz_25		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 2
bs_access_tz_26		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 3
bs_access_tz_27		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 4
bs_access_tz_28		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 5
bs_access_tz_29		imezone(tz_id) NOT FOR REPLICATION,	access timezone # 6 access timezone # 7
bs_access_tz_30 bs access tz 31		imezone(tz_id) NOT FOR REPLICATION, imezone(tz_id) NOT FOR REPLICATION,	access timezone # /
bs_access_tz_31 bs ag start8	DATETIME,	illiezolie(tz_id) NOT FOR REFLICATION,	start timestamp of access group 1
bs_ag_start9	DATETIME,		start timestamp of access group 2
bs_ag_start10	DATETIME,		start timestamp of access group 3
bs ag start11	DATETIME,		start timestamp of access group 4
bs ag start12	DATETIME,		start timestamp of access group 5
bs_ag_start13	DATETIME,		start timestamp of access group 6
bs_ag_start14	DATETIME,		start timestamp of access group 7
bs_ag_start15	DATETIME,		start timestamp of access group 8
bs_ag_start16	DATETIME,		start timestamp of access group 1
bs_ag_start17	DATETIME,		start timestamp of access group 2
bs_ag_start18	DATETIME,		start timestamp of access group 3
bs_ag_start19	DATETIME,		start timestamp of access group 4
bs_ag_start20	DATETIME,		start timestamp of access group 5
bs_ag_start21 bs_ag_start22	DATETIME, DATETIME,		start timestamp of access group 6 start timestamp of access group 7
bs_ag_start23	DATETIME,		start timestamp of access group 8
bs ag start24	DATETIME,		start timestamp of access group 1
bs_ag_start25	DATETIME,		start timestamp of access group 2
bs ag start26	DATETIME,		start timestamp of access group 3
bs ag start27	DATETIME,		start timestamp of access group 4
bs_ag_start28	DATETIME,		start timestamp of access group 5
bs_ag_start29	DATETIME,		start timestamp of access group 6
bs_ag_start30	DATETIME,		start timestamp of access group 7
bs_ag_start31	DATETIME,		start timestamp of access group 8
bs_ag_end8	DATETIME,		end timestamp of access group 9
bs_ag_end9	DATETIME,		end timestamp of access group 10
bs_ag_end10	DATETIME,		end timestamp of access group 11
bs_ag_end11	DATETIME,		end timestamp of access group 12
bs_ag_end12	DATETIME,		end timestamp of access group 13
bs_ag_end13 bs ag end14	DATETIME, DATETIME,		end timestamp of access group 14 end timestamp of access group 15
bs_ag_end14 bs ag end15	DATETIME, DATETIME,		end timestamp of access group 15
bs_ag_end16	DATETIME,		end timestamp of access group 17
bs ag end17	DATETIME,		end timestamp of access group 18
bs ag end18	DATETIME,		end timestamp of access group 19
bs_ag_end19	DATETIME,		end timestamp of access group 20
bs_ag_end20	DATETIME,		end timestamp of access group 21
bs_ag_end21	DATETIME,		end timestamp of access group 22

```
bs ag end22
                           DATETIME,
                                                                                                        -- end timestamp of access group 23
 bs_ag_end23
                           DATETIME,
                                                                                                        -- end timestamp of access group 24
                           DATETIME.
 bs_ag_end24
                                                                                                        -- end timestamp of access group 25
                                                                                                        -- end timestamp of access group 26
 bs_ag_end25
                           DATETIME,
 bs_ag_end26
                           DATETIME,
                                                                                                        -- end timestamp of access group 27
 bs_ag_end27
                           DATETIME,
                                                                                                        -- end timestamp of access group 28
 bs ag end28
                           DATETIME,
                                                                                                        -- end timestamp of access group 29
                          DATETIME,
 bs_ag_end29
                                                                                                        -- end timestamp of access group 30
 bs ag end30
                           DATETIME.
                                                                                                        -- end timestamp of access group 31
 bs ag end31
                           DATETIME,
                                                                                                        -- end timestamp of access group 32
 bs_default_floor
                           SMALLINT,
                                                                                                        -- Otis Compass default floor for this
                                                                                                           badge
                          INTEGER REFERENCES floormask(fm id) NOT FOR REPLICATION,
                                                                                                        -- id of floor mask used with Otis
 bs_otis_pin_floor_mask
                                                                                                           Compass pin code is received
 PRIMARY KEY
                          NONCLUSTERED (bs b guid, site)
 CREATE INDEX
                           bs_cardholder_active ON badgesite ( bs_cardholder_active );
 CREATE INDEX
                           bs_dnld_state ON badgesite ( bs_dnld_state );
 CREATE INDEX
                           bs b guid ON badgesite (bs b guid);
CREATE TABLE badgesite_save
 bs_b_guid
                           uniqueidentifier,
 bs_internal
                           smallint NOT NULL.
 bs disabled
                           SMALLINT NOT NULL,
                                                                                -1 = disabled, 0 = active
 bs event priv
                           SMALLINT,
                                                                                -- event privilege
                           SMALLINT,
 bs_exec_priv
                                                                                -- 1 = executive privilege
                           SMALLINT,
                                                                                -1 = card trace on
 bs_trace
 bs override
                           SMALLINT,
                                                                                -1 = override on
 bs dnld sti e
                           SMALLINT,
                                                                                -- Download badge to STI-E if 1, otherwise 0
 bs_flag_a
                           SMALLINT,
                                                                                -- special flag A
                          SMALLINT,
 bs flag b
                                                                                -- special flag B
                           SMALLINT,
                                                                                -- special flag C
 bs_flag_c
 bs block xaction
                           SMALLINT,
                                                                                -- Block Bages: 1 = block transaction, 0 = allow transaction
                           CHAR(32) NOT NULL,
 bs_dnld_state
                          SMALLINT NOT NULL,
                                                                                -- last download state (0 = never downloaded, 1 = active,
                                                                                  2 = disabled
                           INTEGER,
                                                                                -- id of action interlock 1 to activate
 bs interlock1
                                                                                -- value for action interlock 1
 bs interlock1 value
                           FLOAT,
 bs_interlock2
                           INTEGER,
                                                                                -- id of action interlock 2 to activate
 bs interlock2 value
                           FLOAT,
                                                                                -- value for action interlock 2
 bs_priority
                           SMALLINT.
                                                                                -- Badge Priority
 bs_security_level
                           SMALLINT,
                                                                                -- security level 0-99
                           INTEGER NULL,
                                                                                -- access group # 1
 bs access grp 0
 bs_access_grp_1
                           INTEGER NULL,
                                                                                -- access group # 2
 bs_access_grp_2
                           INTEGER NULL,
                                                                                -- access group #3
 bs_access_grp_3
                           INTEGER NULL,
                                                                                -- access group #4
 bs access grp 4
                           INTEGER NULL,
                                                                                -- access group # 5
 bs_access_grp_5
                           INTEGER NULL,
                                                                                -- access group # 6
 bs_access_grp_6
                           INTEGER NULL,
                                                                                -- access group #7
                           INTEGER NULL,
 bs_access_grp_7
                                                                                -- access group #8
 bs_access_tz_0
                           INTEGER NULL,
                                                                                -- access timezone # 1
 bs access tz 1
                           INTEGER NULL,
                                                                                -- access timezone # 2
 bs access tz 2
                           INTEGER NULL,
                                                                                -- access timezone #3
 bs_access_tz_3
                          INTEGER NULL,
                                                                                -- access timezone # 4
 bs_access_tz_4
                           INTEGER NULL,
                                                                                -- access timezone # 5
 bs access tz 5
                           INTEGER NULL.
                                                                                -- access timezone # 6
 bs access tz 6
                                                                                -- access timezone # 7
                           INTEGER NULL,
 bs access tz 7
                           INTEGER NULL,
                                                                                -- access timezone # 8
 bs_ag_start0
                           DATETIME,
                                                                                -- start timestamp of access group 1
 bs_ag_start1
                           DATETIME,
                                                                                -- start timestamp of access group 2
 bs_ag_start2
                           DATETIME,
                                                                                -- start timestamp of access group 3
 bs ag start3
                           DATETIME,
                                                                                -- start timestamp of access group 4
```

bs_ag_start4	DATETIME,	start timestamp of access group 5
bs_ag_start5	DATETIME,	start timestamp of access group 6
bs_ag_start6	DATETIME,	start timestamp of access group 7
bs_ag_start7	DATETIME,	start timestamp of access group 8
bs_ag_end0	DATETIME,	end timestamp of access group 1
bs_ag_end1	DATETIME,	end timestamp of access group 2
bs_ag_end2	DATETIME,	end timestamp of access group 3
bs_ag_end3	DATETIME,	end timestamp of access group 4
bs_ag_end4 bs ag end5	DATETIME,	end timestamp of access group 5
bs_ag_end6	DATETIME,	end timestamp of access group 6 end timestamp of access group 7
bs ag end7	DATETIME, DATETIME,	end timestamp of access group 8
site	CHAR(32) NOT NULL,	Site Name
bs guid	uniqueidentifier NOT NULL,	Global unique record identifier
bs checksum	INTEGER NOT NULL,	Record checksum
upd guid	uniqueidentifier NOT NULL,	Guid for update operation
upd mode	SMALLINT NOT NULL,	Update mode (0 - delete, 1 - edit, 2 - new)
upd timestamp	DATETIME NOT NULL,	Date / Time of the update
upd_checksum	INTEGER NOT NULL,	Checksum
upd rowguid	uniqueidentifier ROWGUIDCOL I	DEFAULT
1 = 0	newid() UNIQUE NOT NULL,	Global unique record identifier
bs_cardholder_active	SMALLINT NOT NULL,	same as csi_active from cardholder table
bs_access_grp_8	INTEGER NULL,	access group # 9
bs_access_grp_9	INTEGER NULL,	access group # 10
bs_access_grp_10	INTEGER NULL,	access group # 11
bs_access_grp_11	INTEGER NULL,	access group # 12
bs_access_grp_12	INTEGER NULL,	access group # 13
bs_access_grp_13	INTEGER NULL,	access group # 14
bs_access_grp_14	INTEGER NULL,	access group # 15
bs_access_grp_15	INTEGER NULL,	access group # 16
bs_access_grp_16	INTEGER NULL,	access group # 17
bs_access_grp_17	INTEGER NULL,	access group # 18
bs_access_grp_18	INTEGER NULL,	access group # 19
bs_access_grp_19	INTEGER NULL,	access group # 20
bs_access_grp_20	INTEGER NULL,	access group # 21
bs_access_grp_21 bs access grp 22	INTEGER NULL, INTEGER NULL,	access group # 22 access group # 23
bs_access_grp_23	INTEGER NULL,	access group # 25 access group # 24
bs access grp 24	INTEGER NULL,	access group # 25
bs access grp 25	INTEGER NULL,	access group # 26
bs_access_grp_26	INTEGER NULL,	access group # 27
bs_access_grp_27	INTEGER NULL,	access group # 28
bs_access_grp_28	INTEGER NULL,	access group # 29
bs_access_grp_29	INTEGER NULL,	access group # 30
bs_access_grp_30	INTEGER NULL,	access group # 31
bs_access_grp_31	INTEGER NULL,	access group # 32
bs_access_tz_8	INTEGER NULL,	access timezone # 1
bs_access_tz_9	INTEGER NULL,	access timezone # 2
bs_access_tz_10	INTEGER NULL,	access timezone # 3
bs_access_tz_11	INTEGER NULL,	access timezone # 4
bs_access_tz_12	INTEGER NULL,	access timezone # 5
bs_access_tz_13	INTEGER NULL,	access timezone # 6
bs_access_tz_14	INTEGER NULL,	access timezone # 7
bs_access_tz_15	INTEGER NULL,	access timezone # 8
bs_access_tz_16	INTEGER NULL,	access timezone # 1
bs_access_tz_17	INTEGER NULL,	access timezone # 2
bs_access_tz_18	INTEGER NULL,	access timezone # 3
bs_access_tz_19	INTEGER NULL,	access timezone # 4
bs_access_tz_20 bs_access_tz_21	INTEGER NULL, INTEGER NULL,	access timezone # 5 access timezone # 6
bs_access_tz_22	INTEGER NULL, INTEGER NULL,	access timezone # 7
bs_access_tz_22 bs access tz 23	INTEGER NULL, INTEGER NULL,	access timezone # 8
bs_access_tz_24	INTEGER NULL,	access timezone # 1
bs_access_tz_25	INTEGER NULL,	access timezone # 2
bs access tz 26	INTEGER NULL,	access timezone # 3
<u>-</u>	,	

```
bs access tz 27
                           INTEGER NULL,
                                                                                  -- access timezone # 4
 bs_access_tz_28
                           INTEGER NULL,
                                                                                  -- access timezone # 5
 bs_access_tz_29
                           INTEGER NULL,
                                                                                  -- access timezone # 6
 bs access tz 30
                           INTEGER NULL,
                                                                                  -- access timezone # 7
 bs access tz 31
                           INTEGER NULL,
                                                                                  -- access timezone #8
 bs_ag_start8
                           DATETIME,
                                                                                  -- start timestamp of access group 1
 bs ag start9
                           DATETIME,
                                                                                  -- start timestamp of access group 2
                           DATETIME,
 bs_ag_start10
                                                                                  -- start timestamp of access group 3
 bs ag start11
                           DATETIME.
                                                                                  -- start timestamp of access group 4
 bs ag start12
                           DATETIME,
                                                                                  -- start timestamp of access group 5
 bs_ag_start13
                           DATETIME,
                                                                                  -- start timestamp of access group 6
 bs_ag_start14
                           DATETIME,
                                                                                  -- start timestamp of access group 7
 bs_ag_start15
                                                                                  -- start timestamp of access group 8
                           DATETIME.
 bs_ag_start16
                           DATETIME.
                                                                                  -- start timestamp of access group 1
 bs ag start17
                           DATETIME,
                                                                                  -- start timestamp of access group 2
 bs_ag_start18
                           DATETIME,
                                                                                  -- start timestamp of access group 3
 bs_ag_start19
                           DATETIME,
                                                                                  -- start timestamp of access group 4
 bs ag start20
                                                                                  -- start timestamp of access group 5
                           DATETIME,
 bs ag start21
                           DATETIME,
                                                                                  -- start timestamp of access group 6
 bs ag start22
                           DATETIME.
                                                                                  -- start timestamp of access group 7
 bs_ag_start23
                           DATETIME,
                                                                                  -- start timestamp of access group 8
 bs_ag_start24
                           DATETIME,
                                                                                  -- start timestamp of access group 1
 bs\_ag\_start25
                           DATETIME,
                                                                                  -- start timestamp of access group 2
 bs_ag_start26
                           DATETIME,
                                                                                  -- start timestamp of access group 3
 bs ag start27
                           DATETIME,
                                                                                  -- start timestamp of access group 4
 bs ag start28
                           DATETIME,
                                                                                  -- start timestamp of access group 5
 bs_ag_start29
                           DATETIME,
                                                                                  -- start timestamp of access group 6
 bs ag start30
                                                                                  -- start timestamp of access group 7
                           DATETIME.
 bs ag start31
                           DATETIME,
                                                                                  -- start timestamp of access group 8
 bs_ag_end8
                           DATETIME,
                                                                                  -- end timestamp of access group 9
 bs_ag_end9
                                                                                  -- end timestamp of access group 10
                           DATETIME,
 bs_ag_end10
                           DATETIME,
                                                                                  -- end timestamp of access group 11
 bs_ag_end11
                           DATETIME,
                                                                                  -- end timestamp of access group 12
 bs ag end12
                           DATETIME,
                                                                                  -- end timestamp of access group 13
 bs_ag_end13
                           DATETIME,
                                                                                  -- end timestamp of access group 14
 bs_ag_end14
                           DATETIME,
                                                                                  -- end timestamp of access group 15
 bs_ag_end15
                                                                                  -- end timestamp of access group 16
                           DATETIME,
 bs ag end16
                           DATETIME,
                                                                                  -- end timestamp of access group 17
 bs_ag_end17
                           DATETIME,
                                                                                  -- end timestamp of access group 18
 bs_ag_end18
                           DATETIME,
                                                                                  -- end timestamp of access group 19
                                                                                  -- end timestamp of access group 20
 bs_ag_end19
                           DATETIME.
 bs_ag_end20
                           DATETIME.
                                                                                  -- end timestamp of access group 21
                           DATETIME,
 bs ag end21
                                                                                  -- end timestamp of access group 22
 bs_ag_end22
                           DATETIME,
                                                                                  -- end timestamp of access group 23
 bs_ag_end23
                           DATETIME,
                                                                                  -- end timestamp of access group 24
 bs ag end24
                           DATETIME,
                                                                                  -- end timestamp of access group 25
                                                                                  -- end timestamp of access group 26
 bs ag end25
                           DATETIME.
 bs ag end26
                           DATETIME,
                                                                                  -- end timestamp of access group 27
 bs_ag_end27
                           DATETIME,
                                                                                  -- end timestamp of access group 28
 bs_ag_end28
                           DATETIME,
                                                                                  -- end timestamp of access group 29
 bs_ag_end29
                           DATETIME,
                                                                                  -- end timestamp of access group 30
 bs_ag_end30
                           DATETIME,
                                                                                  -- end timestamp of access group 31
 bs ag end31
                           DATETIME,
                                                                                  -- end timestamp of access group 32
 bs_default_floor
                           SMALLINT,
                                                                                  -- Otis Compass default floor for this badge
 bs_otis_pin_floor_mask
                           INTEGER NULL,
                                                                                  -- id of floor mask used with Otis Compass pin code is received
 PRIMARY KEY
                           NONCLUSTERED (bs_b_guid, site, upd_mode desc, upd_guid)
);
```

#### **CREATE TABLE** badgestatus

```
bs_invalid_hist_type
                          INTEGER,
                                                                                -- last invalid badging xaction type
 bs_valid_timestamp
                          DATETIME,
                                                                                -- last valid badging time
                                                                                -- last invalid badging time
                          DATETIME,
 bs\_invalid\_timestamp
 bs_valid_term_id
                          INTEGER,
                                                                                -- last valid badging terminal ID
 bs_invalid_term_id
                          INTEGER,
                                                                                -- last invalid badging terminal ID
 bs_inxit_status
                          SMALLINT,
                                                                                -- current IN/OUT status
                          SMALLINT,
 bs_pin_retry_cnt
                                                                                -- number of pin code retries (central mode)
                          INTEGER,
                                                                                -- anti-passback timer (central mode)
 bs_apb_timer
                                                                                -- Site Name
 site
                          CHAR(32) NOT NULL,
 bs guid
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier
 bs_checksum
                          INTEGER NOT NULL,
                                                                                -- Record checksum
 PRIMARY KEY
                          (bs_number_str, site)
);
 CREATE INDEX
                          bs_valid_timestamp ON badgestatus ( bs_valid_timestamp );
```

# CREATE TABLE [dbo].BadgeStatusSave

Table allows restoring personnel to last badge location after a muster. Only personnel inside the zone at muster start are saved here.

racie and no restoring persor	mer to mot ounge recurrent unter a master. Om, personner m	istae the zone at master start are sured here.
bss_zone_id	INTEGER REFERENCES MusterDefinition(m_id)	
	NOT FOR REPLICATION,	Zone to which this data belongs
bss_number_str	VARCHAR(100) NOT NULL,	badge number
bss_valid_hist_type	INTEGER,	last valid badging xaction type
bss_invalid_hist_type	INTEGER,	last invalid badging xaction type
bss_valid_timestamp	DATETIME,	last valid badging time
bss_invalid_timestamp	DATETIME,	last invalid badging time
bss_valid_term_id	INTEGER,	last valid badging terminal ID
bss_invalid_term_id	INTEGER,	last invalid badging terminal ID
bss_inxit_status	SMALLINT,	current IN/OUT status
bss_pin_retry_cnt	SMALLINT,	number of pin code retries (central mode)
bss_apb_timer	INTEGER,	anti-passback timer (central mode)
site	CHAR(32) NOT NULL,	Site Name
bss_guid	uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,	Global unique record identifier
bss_checksum	INTEGER NOT NULL,	Record checksum
PRIMARY KEY	(bss_number_str, bss_zone_id),	
);		

#### CREATE TABLE badge\_save

)

(		
b_partition	INTEGER NOT NULL,	partition ID to which this badge belongs
b_public	SMALLINT,	1 = badge is public, 0 = badge is private
b_number_str	VARCHAR(100) NOT NULL,	badge number
b_cardholder_id	INTEGER,	cardholder ID of cardholder who has this badge
b_alpha	CHAR(4) NULL,	alpha field of badge
b_issue	SMALLINT,	issue level
b_description	CHAR(64) NULL,	user entered description
b_disabled	SMALLINT NOT NULL,	-1 = disabled, $0 = $ active
b_exp_timestamp	DATETIME,	expiration timestamp
b_start_timestamp	DATETIME,	start timestamp
b_pin	INTEGER,	pin code
b_event_priv	SMALLINT,	event privilege
b_exec_priv	SMALLINT,	1 = executive privilege
b_trace	SMALLINT,	-1 = card trace on
b_override	SMALLINT,	1 = override on
b_access_grp_0	INTEGER NULL,	access group # 1
b_access_grp_1	INTEGER NULL,	access group # 2
b_access_grp_2	INTEGER NULL,	access group # 3
b_access_grp_3	INTEGER NULL,	access group # 4
b_access_grp_4	INTEGER NULL,	access group # 5
b_access_grp_5	INTEGER NULL,	access group # 6
b_access_grp_6	INTEGER NULL,	access group # 7
b_access_grp_7	INTEGER NULL,	access group # 8
b_access_tz_0	INTEGER NULL,	access timezone # 1

```
b access tz 1
                         INTEGER NULL,
                                                                              -- access timezone # 2
b access tz 2
                         INTEGER NULL,
                                                                              -- access timezone # 3
b_access_tz_3
                         INTEGER NULL,
                                                                              -- access timezone # 4
b access tz 4
                         INTEGER NULL,
                                                                              -- access timezone # 5
                         INTEGER NULL,
b access tz 5
                                                                              -- access timezone # 6
b_access_tz_6
                         INTEGER NULL,
                                                                              -- access timezone #7
b_access_tz_7
                         INTEGER NULL,
                                                                              -- access timezone # 8
b reason
                         CHAR(32) NULL,
                                                                              -- reason for badge issue
b design
                         INTEGER NULL.
                                                                              -- badge design ID
                                                                              -- id of action interlock 1 to activate
b interlock1
                         INTEGER,
b_interlock1_value
                         FLOAT,
                                                                              -- value for action interlock 1
b_interlock2
                         INTEGER,
                                                                              -- id of action interlock 2 to activate
                                                                              -- value for action interlock 2
b interlock2 value
                         FLOAT,
b priority
                         SMALLINT.
                                                                              -- Badge Priority
b dnld sti e
                         SMALLINT,
                                                                              -- Download badge to STI-E if 1, otherwise 0
b_ag_start0
                         DATETIME,
                                                                              -- start timestamp of access group 1
b_ag_start1
                         DATETIME,
                                                                              -- start timestamp of access group 2
b_ag_start2
                                                                              -- start timestamp of access group 3
                         DATETIME
b_ag_start3
                         DATETIME,
                                                                              -- start timestamp of access group 4
b ag start4
                         DATETIME.
                                                                              -- start timestamp of access group 5
b_ag_start5
                         DATETIME,
                                                                              -- start timestamp of access group 6
b_ag_start6
                         DATETIME,
                                                                              -- start timestamp of access group 7
b_ag_start7
                         DATETIME.
                                                                              -- start timestamp of access group 8
b_ag_end0
                         DATETIME,
                                                                              -- end timestamp of access group 1
b ag end1
                         DATETIME,
                                                                              -- end timestamp of access group 2
b ag end2
                         DATETIME.
                                                                              -- end timestamp of access group 3
b_ag_end3
                         DATETIME,
                                                                              -- end timestamp of access group 4
b ag end4
                         DATETIME,
                                                                              -- end timestamp of access group 5
b ag end5
                                                                              -- end timestamp of access group 6
                         DATETIME,
b_ag_end6
                         DATETIME,
                                                                              -- end timestamp of access group 7
b ag end7
                                                                              -- end timestamp of access group 8
                         DATETIME,
b facility_code
                                                                              -- facility code 0 to 65535
                         INTEGER,
                                                                              -- security level 0-99
b_security_level
                         SMALLINT,
b flag a
                         SMALLINT,
                                                                              -- special flag A
b flag b
                         SMALLINT,
                                                                              -- special flag B
                         SMALLINT,
b flag c
                                                                              -- special flag C
b block xaction
                         SMALLINT,
                                                                              -- Block Bages: 1 = block transaction, 0 = allow transaction
                         CHAR(32) NOT NULL,
                                                                              -- Site Name
site
site
                         CHAR(32) NOT NULL,
                                                                              -- Site Name
                                                                              -- Global unique record identifier
b guid
                         uniqueidentifier NOT NULL,
b checksum
                         INTEGER NOT NULL.
                                                                              -- Record checksum
upd guid
                         uniqueidentifier NOT NULL,
                                                                              -- Guid for update operation
                         SMALLINT NOT NULL,
                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
upd mode
upd_timestamp
                         DATETIME NOT NULL,
                                                                              -- Date / Time of the update
                                                                              -- Checksum
upd_checksum
                         INTEGER NOT NULL,
                         uniqueidentifier ROWGUIDCOL DEFAULT
upd_rowguid
                           newid() UNIQUE NOT NULL,
                                                                              -- Global unique record identifier
b access grp 8
                         INTEGER NULL,
                                                                              -- access group # 9
b_access_grp_9
                         INTEGER NULL,
                                                                              -- access group # 10
                         INTEGER NULL,
b_access_grp_10
                                                                              -- access group # 11
b_access_grp_11
                         INTEGER NULL,
                                                                              -- access group # 12
b_access_grp_12
                         INTEGER NULL,
                                                                              -- access group # 13
b access grp 13
                         INTEGER NULL.
                                                                              -- access group # 14
b_access_grp_14
                         INTEGER NULL,
                                                                              -- access group # 15
                         INTEGER NULL,
b_access_grp_15
                                                                              -- access group # 16
b_access_grp_16
                         INTEGER NULL.
                                                                              -- access group # 17
b access grp 17
                         INTEGER NULL,
                                                                              -- access group # 18
b access grp 18
                         INTEGER NULL,
                                                                              -- access group # 19
                         INTEGER NULL,
                                                                              -- access group # 20
b_access_grp_19
                                                                              -- access group # 21
                         INTEGER NULL,
b_access_grp_20
b\_access\_grp\_21
                         INTEGER NULL,
                                                                              -- access group # 22
b access grp 22
                         INTEGER NULL,
                                                                              -- access group # 23
b_access_grp_23
                         INTEGER NULL,
                                                                              -- access group # 24
b access grp 24
                                                                              -- access group # 25
                         INTEGER NULL,
b_access_grp_25
                         INTEGER NULL,
                                                                              -- access group # 26
```

b_access_grp_26	INTEGER NULL,	access group # 27
b_access_grp_27	INTEGER NULL,	access group # 28
b_access_grp_28	INTEGER NULL,	access group # 29
b_access_grp_29	INTEGER NULL,	access group # 30
b_access_grp_30	INTEGER NULL,	access group # 31
b_access_grp_31	INTEGER NULL,	access group # 32
b access tz 8	INTEGER NULL,	access timezone # 9
b access tz 9	INTEGER NULL,	access timezone # 10
b_access_tz_10	INTEGER NULL,	access timezone # 11
b access tz 11	INTEGER NULL,	access timezone # 12
b access tz 12	INTEGER NULL,	access timezone # 13
b access tz 13	INTEGER NULL,	access timezone # 14
b access tz 14	INTEGER NULL,	access timezone # 15
b access tz 15	INTEGER NULL,	access timezone # 16
b_access_tz_16	INTEGER NULL,	access timezone # 17
b access tz 17	INTEGER NULL,	access timezone # 18
b access tz 18	INTEGER NULL,	access timezone # 19
b_access_tz_19	INTEGER NULL,	access timezone # 20
b access tz 20	INTEGER NULL,	access timezone # 21
b access tz 21	INTEGER NULL,	access timezone # 21
		access timezone # 23
b_access_tz_22	INTEGER NULL, INTEGER NULL,	access timezone # 24
b_access_tz_23	,	
b_access_tz_24	INTEGER NULL,	access timezone # 25
b_access_tz_25	INTEGER NULL,	access timezone # 26
b_access_tz_26	INTEGER NULL,	access timezone # 27
b_access_tz_27	INTEGER NULL,	access timezone # 28
b_access_tz_28	INTEGER NULL,	access timezone # 29
b_access_tz_29	INTEGER NULL,	access timezone # 30
b_access_tz_30	INTEGER NULL,	access timezone # 31
b_access_tz_31	INTEGER NULL,	access timezone # 32
b_ag_start8	DATETIME,	start timestamp of access group 9
b_ag_start9	DATETIME,	start timestamp of access group 10
b_ag_start10	DATETIME,	start timestamp of access group 11
b_ag_start11	DATETIME,	start timestamp of access group 12
b_ag_start12	DATETIME,	start timestamp of access group 13
b_ag_start13	DATETIME,	start timestamp of access group 14
b_ag_start14	DATETIME,	start timestamp of access group 15
b_ag_start15	DATETIME,	start timestamp of access group 16
b_ag_start16	DATETIME,	start timestamp of access group 17
b_ag_start17	DATETIME,	start timestamp of access group 18
b_ag_start18	DATETIME,	start timestamp of access group 19
b_ag_start19	DATETIME,	start timestamp of access group 20
b_ag_start20	DATETIME,	start timestamp of access group 21
b ag start21	DATETIME,	start timestamp of access group 22
b_ag_start22	DATETIME,	start timestamp of access group 23
b ag start23	DATETIME,	start timestamp of access group 24
b ag start24	DATETIME,	start timestamp of access group 25
b ag start25	DATETIME,	start timestamp of access group 26
b ag start26	DATETIME,	start timestamp of access group 27
b ag start27	DATETIME,	start timestamp of access group 28
b ag start28	DATETIME,	start timestamp of access group 29
b ag start29	DATETIME,	start timestamp of access group 30
b ag start30	DATETIME,	start timestamp of access group 31
b ag start31	DATETIME,	start timestamp of access group 32
b ag end8	DATETIME,	end timestamp of access group 9
b ag end9	DATETIME,	end timestamp of access group 10
b_ag_end10	DATETIME,	end timestamp of access group 10
b ag end11	DATETIME,	end timestamp of access group 12
b ag end12	DATETIME,	end timestamp of access group 13
b_ag_end12 b_ag_end13	DATETIME,	end timestamp of access group 14
b_ag_end13 b ag end14	DATETIME,	end timestamp of access group 15
b_ag_end15	DATETIME,	end timestamp of access group 15
b_ag_end16	DATETIME, DATETIME,	end timestamp of access group 17
b ag end17	DATETIME, DATETIME,	end timestamp of access group 17 end timestamp of access group 18
b_ag_end18	DATETIME, DATETIME,	end timestamp of access group 19
o_ag_charo	DIM DI HVID,	end unicotating of access group 19

```
b ag end19
                          DATETIME,
                                                                               -- end timestamp of access group 20
 b_ag_end20
                          DATETIME,
                                                                               -- end timestamp of access group 21
 b_ag_end21
                          DATETIME,
                                                                               -- end timestamp of access group 22
 b_ag_end22
                          DATETIME,
                                                                               -- end timestamp of access group 23
 b_ag_end23
                          DATETIME,
                                                                               -- end timestamp of access group 24
 b_ag_end24
                          DATETIME,
                                                                               -- end timestamp of access group 25
 b_ag_end25
                          DATETIME,
                                                                               -- end timestamp of access group 26
 b_ag_end26
                          DATETIME,
                                                                               -- end timestamp of access group 27
 b ag end27
                                                                               -- end timestamp of access group 28
                          DATETIME.
 b ag end28
                          DATETIME,
                                                                               -- end timestamp of access group 29
 b_ag_end29
                          DATETIME,
                                                                               -- end timestamp of access group 30
 b_ag_end30
                          DATETIME,
                                                                               -- end timestamp of access group 31
                          DATETIME,
 b\_ag\_end31
                                                                               -- end timestamp of access group 32
 b_purpose
                          uniqueidentifier NULL,
 b data style
                          SMALLINT NOT NULL,
                                                                               --0 = normal, 1 = FASCN
 b_default_floor
                                                                               -- Otis Compass default floor for this badge
                          SMALLINT,
 b\_otis\_pin\_floor\_mask
                          INTEGER NULL,
                                                                               -- id of floor mask used with Otis Compass pin code is received
 b_operator
                          CHAR(32),
                                                                               -- Operator that last modified record
 b edit time
                          DATETIME,
                                                                               -- Time this record was last edited
 b technology
                          INTEGER NOT NULL,
                                                                               -- technology of badge format
 b_bits
                          INTEGER NOT NULL,
                                                                               -- the number of bits in the badge format
 b_qualifier
                          INTEGER NOT NULL,
                                                                               -- format qualifier for the badge format
 PRIMARY KEY
                          (b_number_str, upd_mode desc, upd_guid)
CREATE TABLE cardholder
```

(		
c_partition	INTEGER REFERENCES partition(part_number)	
	NOT FOR REPLICATION,	partition ID to which this cardholder belongs
c_public	SMALLINT,	1 = cardholder is public, 0 = cardholder is private
c_id	INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,	unique database ID
c_lname	CHAR(25) NOT NULL,	last name
c_mname	CHAR(25) NULL,	middle name
c_fname	CHAR(25) NOT NULL,	first name
c_nick_name	CHAR(25) NULL,	ID, must be unique if not 0
c_addr	CHAR(64) NULL,	street address
c_addr1	CHAR(32) NULL,	city
c_addr2	CHAR(32) NULL,	state
c_addr3	CHAR(32) NULL,	zip code
c_phone	CHAR(16) NULL,	phone number
c_ext	CHAR(6) NULL,	phone extension
c_s_timestamp	DATETIME,	start timestamp
c_t_timestamp	DATETIME,	terminate timestamp
c_card_type	SMALLINT,	0 = regular, 1 = visitor
c_dept_id	INTEGER NULL REFERENCES dept(dept_id)	
	NOT FOR REPLICATION,	database ID of department
c_company_id	INTEGER NULL REFERENCES company(company_id)	
	NOT FOR REPLICATION,	database ID of company
c_sponsor_id	INTEGER NULL REFERENCES cardholder(c_id)	
	NOT FOR REPLICATION,	database ID of sponsor (visitor only)
c guard	SMALLINT,	Can be guard or not
c_suite	CHAR(32) NULL,	suit information
site	CHAR(32) NOT NULL,	Site Name
c_guid	uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,	Global unique record identifier
c_checksum	INTEGER NOT NULL,	Record checksum
c_email	CHAR(64) NULL,	email address
c_operator	CHAR(32),	Operator that last modified record
c_edit_time	DATETIME,	Time this record was last edited
PRIMARY KEY	(c_partition, c_id)	
);		
CREATE INDEX	c_public ON cardholder ( c_public );	
CREATE INDEX	c_lname ON cardholder ( c_lname );	

c\_fname ON cardholder ( c\_fname );

CREATE INDEX

```
CREATE INDEX
                       c_mname ON cardholder ( c_mname );
                       c_card_type ON cardholder ( c_card_type );
CREATE INDEX
CREATE INDEX
                       c_begin ON cardholder ( c_s_timestamp );
CREATE INDEX
                       c_end ON cardholder ( c_t_timestamp );
CREATE INDEX
                       c_nick_name ON cardholder ( c_nick_name );
                       c_guard ON cardholder ( c_guard );
CREATE INDEX
CREATE INDEX
                       c\_company\_id\ ON\ cardholder\ (\ c\_company\_id\ );
```

#### **CREATE TABLE** cardevent

(		
ce_id	INTEGER IDENTITY NOT FOR REPLICA	CATION
_	PRIMARY KEY,	unique database ID
ce_panel_id	INTEGER REFERENCES panel(p panel	•
	NOT FOR REPLICATION,	ID of panel this card event pertains to
ce event name	CHAR(32),	name of this event
ce_event_number	SMALLINT,	unique event number for the selected panel
ce trigger type	SMALLINT,	0 = "Card Only", 1 = "Card/PIN Code", 2 = "Card/Keypad
** <u>*</u> *********************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Code", 3 = "Card/PIN/Keypad Code", 4 = "Any Void Card"
ce priv level	SMALLINT,	priviledge level required for this event
ce access code	CHAR(4) NULL,	keypad code to trigger event
ce event period	SMALLINT,	event duration in minutes
ce output group	INTEGER NULL REFERENCES outputg	
	NOT FOR REPLICATION,	ID of output group that can be activated
ce_input_group	INTEGER NULL REFERENCES inputgr	
oopur_Broup	NOT FOR REPLICATION,	ID of input group that can be suppressed
ce_ip_suppress	SMALLINT,	0 = don't suppress input group, 1 = suppress input group
ce_door_strike	SMALLINT,	0 = don't operate door strike, 1 = operate door strike
ce opgrp act	SMALLINT,	0 = don't activate output group, 1 = activate output group
ce reset pan alrm	SMALLINT,	0 = don't restart panel alarm relay, 1 = restart panel alarm relay
ce ip enable	SMALLINT,	0 = don't allow input group suppression, 1 = allow input group
cc_ip_cnable	SIMPLEDIVI,	suppression
ce op enable	SMALLINT,	0 = don't allow output group activation, 1 = allow output group
cc_op_enable	SWINEERVI,	activation
ce term 1	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 2	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 3	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_4	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 5	SMALLINT, SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 6	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 7	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 8	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 9	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_10	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_11 ce_term_12	SMALLINT, SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 13	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 14	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_14	SMALLINT, SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 16	SMALLINT, SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_17 ce_term_18	SMALLINT, SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
		0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_19	SMALLINT,	
ce_term_20 ce_term_21	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_22	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_23	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_24	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_25	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_26	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_27	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_28	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_29	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_30	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index

```
ce term 31
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_32
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_33
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_34
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_35
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_36
                           SMALLINT,
                                                                                 -- 0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_37
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce\_term\_38
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 39
                           SMALLINT.
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 40
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
                           SMALLINT,
ce_term_41
                           SMALLINT,
                                                                                 -- 0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_42
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
                           SMALLINT,
ce_term_43
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_44
                           SMALLINT.
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 45
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_46
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_47
                           SMALLINT,
                                                                                 -0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_48
                           SMALLINT,
                                                                                 -0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 49
                           SMALLINT,
ce term 50
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
                           SMALLINT,
ce_term_51
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_52
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_53
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_54
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 55
                           SMALLINT,
                                                                                 -- 0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 56
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_57
                           SMALLINT,
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_58
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
                           SMALLINT,
                                                                                 -0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 59
                           SMALLINT,
ce_term_60
                           SMALLINT,
                                                                                 -- 0 = invalid for this terminal index, 1 = valid for this terminal index
                                                                                 --0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 61
                           SMALLINT,
ce_term_62
                                                                                 -0 = invalid for this terminal index, 1 = valid for this terminal index
                           SMALLINT,
                                                                                 -- 0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_63
                           SMALLINT,
ce term 64
                           SMALLINT,
                                                                                 -- 0 = invalid for this terminal index, 1 = valid for this terminal index
                           CHAR(32) NOT NULL,
                                                                                        -- Site Name
                           uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
ce_guid
                                                                                        -- Global unique record identifier
                                                                                        -- Record checksum
ce checksum
                           INTEGER NOT NULL,
CREATE UNIQUE INDEX
                                  ce_index ON cardevent (ce_panel_id, ce_event_number);
CREATE UNIQUE INDEX
                                 ce site name ON cardevent (site, ce event name);
```

# CREATE TABLE cardevent\_save

(		
ce_id	INTEGER NOT NULL,	unique database ID
ce_panel_id	INTEGER,	ID of panel this card event pertains to
ce_event_name	CHAR(32) NOT NULL,	name of this event
ce_event_number	SMALLINT,	unique event number for the selected panel
ce_trigger_type	SMALLINT,	0 = "Card Only", 1 = "Card/PIN Code", 2 = "Card/Keypad Code",
		3 = "Card/PIN/Keypad Code", 4 = "Any Void Card"
ce_priv_level	SMALLINT,	priviledge level required for this event
ce_access_code	CHAR(4) NULL,	keypad code to trigger event
ce_event_period	SMALLINT,	event duration in minutes
ce_output_group	INTEGER NULL,	ID of output group that can be activated
ce_input_group	INTEGER NULL,	ID of input group that can be suppressed
ce_ip_suppress	SMALLINT,	-0 = don't suppress input group, $1 = suppress input group$
ce_door_strike	SMALLINT,	-0 = don't operate door strike, 1 = operate door strike
ce_opgrp_act	SMALLINT,	0 = don't activate output group, 1 = activate output group
ce_reset_pan_alrm	SMALLINT,	0 = don't restart panel alarm relay, 1 = restart panel alarm relay
ce_ip_enable	SMALLINT,	-0 = don't allow input group suppression, $1 = allow$ input group
		suppression
ce_op_enable	SMALLINT,	0 = don't allow output group activation, 1 = allow output group
		activation
ce_term_1	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index

ce_term_2	SMALLINT,	-0 = invalid for this terminal index, $1 = valid for this terminal index$
ce_term_3	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 4	SMALLINT,	-0 = invalid for this terminal index, $1 = valid$ for this terminal index
ce term 5	SMALLINT,	-0 = invalid for this terminal index, $1 = valid for this terminal index$
ce term 6	SMALLINT,	-0 = invalid for this terminal index, $1 = valid for this terminal index$
ce_term_7	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 8	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_9		
ce_term_10	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_11	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_12	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_13	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_14	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_15	SMALLINT,	-0 = invalid for this terminal index, $1 = valid for this terminal index$
ce_term_16	SMALLINT,	-0 = invalid for this terminal index, $1 = valid for this terminal index$
ce_term_17	SMALLINT,	0 = invalid for this terminal index, $1 = $ valid for this terminal index
ce_term_18	SMALLINT,	-0 = invalid for this terminal index, $1 = valid$ for this terminal index
ce_term_19	SMALLINT,	-0 = invalid for this terminal index, $1 = valid$ for this terminal index
ce_term_20	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 21	SMALLINT,	-0 = invalid for this terminal index, $1 = valid for this terminal index$
ce term 22	SMALLINT,	-0 = invalid for this terminal index, $1 = valid for this terminal index$
ce term 23	SMALLINT,	-0 = invalid for this terminal index, $1 = valid for this terminal index$
ce term 24	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 25	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 26	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 27	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 28	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 29		0 = invalid for this terminal index, 1 = valid for this terminal index
	SMALLINT,	
ce_term_30	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_31	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_32	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_33	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_34	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_35	SMALLINT,	-0 = invalid for this terminal index, $1 = valid for this terminal index$
ce_term_36	SMALLINT,	-0 = invalid for this terminal index, $1 = valid for this terminal index$
ce_term_37	SMALLINT,	-0 = invalid for this terminal index, $1 = valid for this terminal index$
ce_term_38	SMALLINT,	-0 = invalid for this terminal index, $1 = valid$ for this terminal index
ce_term_39	SMALLINT,	-0 = invalid for this terminal index, $1$ = valid for this terminal index
ce_term_40	SMALLINT,	-0 = invalid for this terminal index, $1$ = valid for this terminal index
ce_term_41	SMALLINT,	-0 = invalid for this terminal index, $1 = valid$ for this terminal index
ce_term_42	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_43	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_44	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 45	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_46	SMALLINT,	-0 = invalid for this terminal index, $1 = valid for this terminal index$
ce_term_47	SMALLINT,	-0 = invalid for this terminal index, $1 = valid for this terminal index$
ce term 48	SMALLINT,	-0 = invalid for this terminal index, $1$ = valid for this terminal index
ce_term_49	SMALLINT,	-0 = invalid for this terminal index, $1 = valid$ for this terminal index
ce_term_50	SMALLINT,	-0 = invalid for this terminal index, $1$ = valid for this terminal index
ce term 51	SMALLINT,	-0 = invalid for this terminal index, $1$ = valid for this terminal index
ce term 52	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_53	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce term 54	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_55		0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_56	SMALLINT, SMALLINT	0 = invalid for this terminal index, 1 = valid for this terminal index 0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_57	SMALLINT, SMALLINT	
ce_term_58	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_59	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_60	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_61	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_62	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_63	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
ce_term_64	SMALLINT,	0 = invalid for this terminal index, 1 = valid for this terminal index
site	CHAR(32) NOT NULL,	Site Name
ce_guid	uniqueidentifier NOT NULL,	Global unique record identifier

```
ce checksum
                          INTEGER NOT NULL,
                                                                      -- Record checksum
 upd_guid
                          uniqueidentifier NOT NULL,
                                                                      -- Guid for update operation
 upd mode
                          SMALLINT NOT NULL,
                                                                      -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                          DATETIME NOT NULL,
                                                                      -- Date / Time of the update
                          INTEGER NOT NULL,
 upd checksum
                                                                      -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                           newid() UNIQUE NOT NULL,
                                                                      -- Global unique record identifier
 PRIMARY KEY
                          (ce_id, upd_mode desc, upd_guid)
);
CREATE TABLE cardholdersite
                         INTEGER IDENTITY NOT FOR REPLICATION
 csi_id
                            PRIMARY KEY.
                                                                                   -- Unique database ID
                          INTEGER NOT NULL REFERENCES cardholder(c_id)
 csi_c_id
                            NOT FOR REPLICATION,
 csi enable
                          SMALLINT NOT NULL,
                         char(32) NOT NULL,
 site
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 csi guid
                                                                                   -- Global unique record identifier
                          INTEGER NOT NULL,
 csi checksum
 csi active
                          SMALLINT
                                                                                   -- calculated flag based upon start/terminate timestamps
 CREATE UNIQUE INDEX
                               cardholdersite_site ON cardholdersite(site, csi_c_id);
 CREATE INDEX
                               cardholdersite c id ON cardholdersite(csi c id);
 CREATE INDEX
                               csi active ON cardholdersite (csi active);
 CREATE INDEX
                               site id enable ON cardholdersite ( site, csi c id, csi enable);
CREATE TABLE cardholdersite_save
 csi id
                          INTEGER,
                                                                            -- Unique database ID
 csi c id
                          INTEGER NOT NULL,
                                                                            -- cardholder
 csi enable
                          SMALLINT NOT NULL,
 site
                          char(32) NOT NULL,
                                                                            -- site name
                          uniqueidentifier NOT NULL,
                                                                            -- Global unique record identifier
 csi_guid
 csi checksum
                          INTEGER NOT NULL,
 upd guid
                          uniqueidentifier NOT NULL,
                                                                            -- Guid for update operation
 upd mode
                          SMALLINT NOT NULL,
                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                         DATETIME NOT NULL,
                                                                            -- Date / Time of the update
 upd checksum
                          INTEGER NOT NULL,
                                                                            -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT
 upd rowguid
                            newid() UNIQUE NOT NULL,
                                                                            -- Global unique record identifier
 csi active
                          SMALLINT,
                                                                            -- calculated flag based upon start/terminate timestamps
 PRIMARY KEY
                          NONCLUSTERED ( csi_id, upd_mode desc, upd_guid)
);
CREATE TABLE cardholder_save
                                                                            -- partition ID to which this cardholder belongs
                          INTEGER,
 c_partition
 c_public
                         SMALLINT,
                                                                            -- 1 = cardholder is public, 0 = cardholder is private
 c id
                          INTEGER NOT NULL,
                                                                            -- unique database ID
 c lname
                          CHAR(25) NOT NULL,
                                                                            -- last name
 c mname
                          CHAR(25) NULL,
                                                                            -- middle name
 c_{fname}
                          CHAR(25) NOT NULL,
                                                                            -- first name
 c_nick_name
                          CHAR(25) NULL,
                                                                            -- ID, must be unique if not 0
                          CHAR(64) NULL,
                                                                            -- street address
 c addr
 c_addr1
                          CHAR(32) NULL,
                                                                            -- city
 c_addr2
                         CHAR(32) NULL,
                                                                            -- state
 c addr3
                         CHAR(32) NULL,
                                                                            -- zip code
 c phone
                          CHAR(16) NULL,
                                                                            -- phone number
                          CHAR(6) NULL,
                                                                            -- phone extension
 c_{ext}
```

-- start timestamp

DATETIME,

c\_s\_timestamp

```
DATETIME,
 c t timestamp
                                                                               -- terminate timestamp
 c_card_type
                          SMALLINT,
                                                                               -- 0 = \text{regular}, 1 = \text{visitor}
 c_dept_id
                          INTEGER NULL,
                                                                               -- database ID of department
                          INTEGER NULL,
                                                                               -- database ID of company
 c company id
 c_sponsor_id
                          INTEGER NULL,
                                                                               -- database ID of sponsor (visitor only)
 c_guard
                          SMALLINT,
                                                                               -- Can be guard or not
 c suite
                          CHAR(32) NULL,
                                                                               -- suit information
                          CHAR(32) NOT NULL,
                                                                               -- Site Name
 site
 c guid
                          uniqueidentifier NOT NULL,
                                                                               -- Global unique record identifier
 c checksum
                          INTEGER NOT NULL,
                                                                               -- Record checksum
 upd_guid
                          uniqueidentifier NOT NULL,
                                                                               -- Guid for update operation
 upd_mode
                          SMALLINT NOT NULL,
                                                                               -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                          DATETIME NOT NULL,
                                                                               -- Date / Time of the update
 upd checksum
                          INTEGER NOT NULL.
                                                                               -- Checksum
 upd rowguid
                          uniqueidentifier ROWGUIDCOL DEFAULT
                            newid() UNIQUE NOT NULL,
                                                                               -- Global unique record identifier
                                                                              -- email address
                          CHAR(64) NULL,
 c_email
 c_operator
                          CHAR(32),
                                                                               -- Operator that last modified record
 c edit time
                          DATETIME,
                                                                               -- Time this record was last edited
 PRIMARY KEY
                          (c partition, c id, upd mode desc, upd guid)
);
CREATE TABLE [dbo].[CCTVAlarm]
 [CAL ID]
                          [int] IDENTITY NOT FOR REPLICATION NOT NULL,
 [CAL ParentID]
                          [int] NOT NULL,
                                                                                                 -- ID of parent record
 [CAL_Name]
                          [char] (64) NOT NULL,
                                                                                                 -- OPC name of alarm
```

```
-- Unique ID of alarm record
[CAL_ServerID]
                                                                                         -- ID of server record
                       [int] NOT NULL,
[CAL Exists]
                       [int] NOT NULL CONSTRAINT [DF CCTVAlarm Exists] DEFAULT (1),
                                                                                        -- 0 = No, 1 = Yes, 2 = Use default
[CAL Description]
                       [char] (64) NOT NULL,
                                                                                         -- Description
[CAL Partition]
                       [int] NOT NULL,
                                                                                         -- Partition ID to which this alarm belongs
                       [int] NOT NULL,
                                                                                         -1 = alarm is public, 0 = alarm is private
[CAL Public]
                       CHAR(32) NOT NULL,
site
                                                                                         -- Site Name
                       uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
CAL_guid
                                                                                         -- Global unique record identifier
                       INTEGER NOT NULL,
                                                                                         -- Record checksum
CAL checksum
CONSTRAINT [PK_CCTVAlarm] PRIMARY KEY CLUSTERED
[CAL ID]
) ON [PRIMARY],
CONSTRAINT [FK_Alarm_CCTVSwitch] FOREIGN KEY
[CAL ParentID]
) REFERENCES [dbo].[CCTVSwitch] (
[CSW ID]
) NOT FOR REPLICATION,
CONSTRAINT [FK_CCTVAlarm_CCTVServer] FOREIGN KEY
[CAL ServerID]
) REFERENCES [dbo].[CCTVServer] (
[CSV ID]
) NOT FOR REPLICATION,
CONSTRAINT [FK_CCTVAlarm_partition] FOREIGN KEY
[CAL Partition]
) REFERENCES [dbo].[partition] (
[part_number]
) NOT FOR REPLICATION
) ON [PRIMARY]
```

```
CREATE TABLE [CCTVAlarm_save]
 [CAL ID]
                         [int] NOT NULL,
                                                                            -- Unique ID of alarm record
 [CAL_ParentID]
                         [int] NOT NULL,
                                                                            -- ID of parent record
                         [char] (64) NOT NULL,
                                                                            -- OPC name of alarm
 [CAL_Name]
 [CAL_ServerID]
                         [int] NOT NULL,
                                                                            -- ID of server record
 [CAL\_Exists]
                         [int] NOT NULL,
                                                                            -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
 [CAL_Description]
                         [char] (64) NOT NULL,
                                                                            -- Description
 [CAL Partition]
                         [int] NOT NULL,
                                                                            -- Partition ID to which this alarm belongs
                         [int] NOT NULL.
                                                                            -1 = alarm is public, 0 = alarm is private
 [CAL_Public]
                         CHAR(32) NOT NULL,
                                                                            -- Site Name
 site
 CAL guid
                         uniqueidentifier NOT NULL,
                                                                            -- Global unique record identifier
 CAL_checksum
                         INTEGER NOT NULL,
                                                                            -- Record checksum
                         uniqueidentifier NOT NULL,
                                                                            -- Guid for update operation
 upd_guid
                         SMALLINT NOT NULL,
                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
                         DATETIME NOT NULL,
 upd timestamp
                                                                            -- Date / Time of the update
 upd_checksum
                         INTEGER NOT NULL,
                                                                            -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                           newid() UNIQUE NOT NULL,
                                                                            -- Global unique record identifier
 CONSTRAINT [PK_CCTVAlarm_save] PRIMARY KEY CLUSTERED
 [CAL ID], upd mode desc, upd guid
) ON [PRIMARY],
) ON [PRIMARY]
CREATE TABLE [dbo].[CCTVAuxiliaryCamera]
                         [int] IDENTITY NOT FOR REPLICATION NOT NULL,
  [CAC_ID]
                                                                               -- Unique ID of camera auxiliary record
 [CAC ParentID]
                         [int] NOT NULL,
                                                                               -- ID of parent record
 [CAC Name]
                         [char] (64) NOT NULL,
                                                                               -- OPC name of camera auxiliary
 [CAC ServerID]
                         [int] NOT NULL,
                                                                               -- ID of server record
 [CAC_Exists]
                         [int] NOT NULL CONSTRAINT
                           [DF_CCTVAuxiliaryCamera_Exists] DEFAULT (1),
                                                                               -- 0 = No, 1 = Yes, 2 = Use default
 [CAC_Description]
                         [char] (64) NOT NULL,
                                                                               -- Description
 [CAC Partition]
                         [int] NOT NULL,
                                                                               -- Partition ID to which this camera auxiliary belongs
 [CAC Public]
                         [int] NOT NULL,
                                                                               -1 = camera auxiliary is public, 0 = camera auxiliary is
                                                                                 private
 site
                         CHAR(32) NOT NULL,
                                                                               -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 CAC guid
                                                                               -- Global unique record identifier
 CAC checksum
                         INTEGER NOT NULL,
                                                                               -- Record checksum
 CONSTRAINT [PK_CCTVAuxiliaryCamera] PRIMARY KEY CLUSTERED
 [CAC ID]
 ) ON [PRIMARY],
 CONSTRAINT [FK CCTVAuxiliaryCamera CCTVCamera] FOREIGN KEY
 [CAC_ParentID]
 ) REFERENCES [dbo].[CCTVCamera] (
 [CCA ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_CCTVAuxiliaryCamera_CCTVServer] FOREIGN KEY
 [CAC ServerID]
 ) REFERENCES [dbo].[CCTVServer] (
 [CSV ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK CCTVAuxiliaryCamera partition] FOREIGN KEY
 [CAC Partition]
 ) REFERENCES [dbo].[partition] (
 [part_number]
```

) NOT FOR REPLICATION

```
) ON [PRIMARY]
CREATE TABLE [CCTVAuxiliaryCamera_save]
                         [int] NOT NULL,
 [CAC_ID]
                                                                            -- Unique ID of camera auxiliary record
 [CAC_ParentID]
                         [int] NOT NULL,
                                                                            -- ID of parent record
 [CAC_Name]
                                                                            -- OPC name of camera auxiliary
                         [char] (64) NOT NULL,
 [CAC ServerID]
                         [int] NOT NULL,
                                                                            -- ID of server record
 [CAC_Exists]
                         [int] NOT NULL,
                                                                            -0 = No, 1 = Yes, 2 = Use default
 [CAC Description]
                         [char] (64) NOT NULL,
                                                                            -- Description
 [CAC_Partition]
                         [int] NOT NULL,
                                                                            -- Partition ID to which this camera auxiliary belongs
 [CAC_Public]
                         [int] NOT NULL,
                                                                            -1 = camera auxiliary is public, 0 = camera auxiliary is private
                         CHAR(32) NOT NULL,
                                                                            -- Site Name
 site
 CAC_guid
                         uniqueidentifier NOT NULL,
                                                                            -- Global unique record identifier
 CAC\_checksum
                         INTEGER NOT NULL,
                                                                            -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                            -- Guid for update operation
                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_mode
                         SMALLINT NOT NULL,
                         DATETIME NOT NULL,
 upd timestamp
                                                                            -- Date / Time of the update
 upd checksum
                         INTEGER NOT NULL,
                                                                            -- Checksum
 upd rowguid
                         uniqueidentifier ROWGUIDCOL DEFAULT
                            newid() UNIQUE NOT NULL,
                                                                            -- Global unique record identifier
 CONSTRAINT [PK_CCTVAuxiliaryCamera_save] PRIMARY KEY CLUSTERED
 [CAC ID], upd mode desc, upd guid
) ON [PRIMARY],
) ON [PRIMARY]
CREATE TABLE [dbo].[CCTVAuxiliarySystem]
 [CAS_ID]
                         [int] IDENTITY NOT FOR REPLICATION NOT NULL, -- Unique ID of switch auxiliary record
 [CAS_ParentID]
                         [int] NOT NULL,
                                                                             -- ID of parent record
                         [char] (64) NOT NULL.
                                                                             -- OPC name of switch auxiliary
 [CAS_Name]
 [CAS_ServerID]
                         [int] NOT NULL,
                                                                             -- ID of server record
 [CAS Exists]
                         [int] NOT NULL CONSTRAINT
                            [DF_CCTVAuxiliarySystem_Exists] DEFAULT (1),
                                                                             -0 = No, 1 = Yes, 2 = Use default
 [CAS_Description]
                         [char] (64) NOT NULL,
                                                                             -- Description
 [CAS Partition]
                         [int] NOT NULL,
                                                                             -- Partition ID to which this switch auxiliary belongs
 [CAS Public]
                                                                             -- 1 = switch auxiliary is public, 0 = switch auxiliary is private
                         [int] NOT NULL,
                         CHAR(32) NOT NULL,
                                                                             -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 CAS_guid
                                                                             -- Global unique record identifier
                         INTEGER NOT NULL,
                                                                             -- Record checksum
 CAS checksum
 CONSTRAINT [PK_CCTVAuxiliarySystem] PRIMARY KEY CLUSTERED
 [CAS_ID]
 ) ON [PRIMARY],
 CONSTRAINT [FK Auxiliaries CCTVSwitch] FOREIGN KEY
 [CAS_ParentID]
 ) REFERENCES [dbo].[CCTVSwitch] (
 [CSW ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK CCTVAuxiliarySystem CCTVServer] FOREIGN KEY
 [CAS_ServerID]
 ) REFERENCES [dbo].[CCTVServer] (
 [CSV ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_CCTVAuxiliarySystem_partition] FOREIGN KEY
 [CAS_Partition]
```

```
) REFERENCES [dbo].[partition] (
 [part number]
 ) NOT FOR REPLICATION
 ) ON [PRIMARY]
CREATE TABLE [CCTVAuxiliarySystem_save]
 [CAS ID]
                         [int] NOT NULL.
                                                                            -- Unique ID of switch auxiliary record
                         [int] NOT NULL,
 [CAS_ParentID]
                                                                            -- ID of parent record
 [CAS Name]
                         [char] (64) NOT NULL,
                                                                            -- OPC name of switch auxiliary
 [CAS_ServerID]
                         [int] NOT NULL,
                                                                            -- ID of server record
                                                                            -0 = No, 1 = Yes, 2 = Use default
 [CAS_Exists]
                         [int] NOT NULL,
 [CAS_Description]
                         [char] (64) NOT NULL,
                                                                            -- Description
                         [int] NOT NULL,
 [CAS Partition]
                                                                            -- Partition ID to which this switch auxiliary belongs
 [CAS_Public]
                         [int] NOT NULL,
                                                                            -1 = switch auxiliary is public, 0 = switch auxiliary is private
                         CHAR(32) NOT NULL,
                                                                            -- Site Name
                                                                            -- Global unique record identifier
 CAS_guid
                         uniqueidentifier NOT NULL,
 CAS checksum
                         INTEGER NOT NULL,
                                                                            -- Record checksum
 upd guid
                         uniqueidentifier NOT NULL,
                                                                            -- Guid for update operation
 upd mode
                         SMALLINT NOT NULL,
                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                            -- Date / Time of the update
 upd_timestamp
                         DATETIME NOT NULL,
 upd_checksum
                         INTEGER NOT NULL,
                                                                            -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                            newid() UNIQUE NOT NULL,
                                                                            -- Global unique record identifier
 CONSTRAINT [PK_CCTVAuxiliarySystem_save] PRIMARY KEY CLUSTERED
 [CAS_ID], upd_mode desc, upd_guid
) ON [PRIMARY],
) ON [PRIMARY]
CREATE TABLE [CCTVCamera]
 [CCA ID]
                                   [int] IDENTITY NOT FOR REPLICATION NOT NULL,
                                                                                         -- Unique ID of camera record
 [CCA ParentID]
                                   [int] NOT NULL,
                                                                                         -- ID of parent record
                                                                                         -- OPC name of camera
 [CCA Name]
                                   [char] (64) NOT NULL,
 [CCA_ServerID]
                                   [int] NOT NULL,
                                                                                         -- ID of server record
 [CCA_Exists]
                                   [int] NOT NULL CONSTRAINT
                                      [DF CCTVCamera Exists] DEFAULT (1),
                                                                                         --0 = No, 1 = Yes, 2 = Use default
 [CCA_Description]
                                   [char] (64) NOT NULL,
                                                                                         -- Description
                                   [int] NOT NULL CONSTRAINT
 [CCA Partition]
                                      [DF Camera Partition] DEFAULT (0),
                                                                                         -- Partition ID to which this camera belongs
                                   [int] NOT NULL,
 [CCA Public]
                                                                                         -- 1 = camera is public, 0 = camera is private
 [CCA GeneralString]
                                   [char] (64) NULL,
                                                                                         -- Camera annotation
                                   [int] NOT NULL CONSTRAINT
 [CCA_TiltExists]
                                      [DF_Camera_TiltExists] DEFAULT (1),
                                                                                         -0 = No, 1 = Yes, 2 = Use default
                                   [int] NOT NULL CONSTRAINT
 [CCA PanExists]
                                      [DF Camera PanExists] DEFAULT (1),
                                                                                         -0 = No, 1 = Yes, 2 = Use default
 [CCA_ZoomExists]
                                   [int] NOT NULL CONSTRAINT
                                      [DF_Camera_ZoomExists] DEFAULT (1),
                                                                                         -- 0 = No, 1 = Yes, 2 = Use default
                                   [int] NOT NULL CONSTRAINT
 [CCA_FocusExists]
                                      [DF Camera FocusExists] DEFAULT (1),
                                                                                         -0 = No. 1 = Yes. 2 = Use default
                                   [int] NOT NULL CONSTRAINT
 [CCA IrisExists]
                                      [DF_Camera_IrisExists] DEFAULT (1),
                                                                                         -- 0 = No, 1 = Yes, 2 = Use default
 [CCA_IrisAutomatic]
                                   [int] NOT NULL CONSTRAINT
                                      [DF Camera IrisAutomatic] DEFAULT (1),
                                                                                         -- 0 = No, 1 = Yes
 [CCA_LensSpeed]
                                   [int] NOT NULL CONSTRAINT
                                      [DF Camera LensSpeed] DEFAULT (1),
                                                                                         -- Lens speed
                                   [int] NOT NULL CONSTRAINT
 [CCA LensSpeedMax]
                                      [DF_Camera_LensSpeedMax] DEFAULT (1),
                                                                                         -- Maximun lens speed, 1 = speed not variable
 [CCA_WiperExists]
                                   [int] NOT NULL CONSTRAINT
```

```
[DF Camera WiperExists] DEFAULT (1),
                                                                                       -- 0 = No, 1 = Yes, 2 = Use default
[CCA_WasherExists]
                                  [int] NOT NULL CONSTRAINT
                                    [DF_Camera_WasherExists] DEFAULT (1),
                                                                                       -- 0 = No, 1 = Yes, 2 = Use default
                                  [int] NOT NULL CONSTRAINT
[CCA LightExists]
                                    [DF Camera LightExists] DEFAULT (1),
                                                                                       -- 0 = No, 1 = Yes, 2 = Use default
[CCA_StatusExists]
                                  [int] NOT NULL CONSTRAINT
                                    [DF Camera StatusExists] DEFAULT (1),
                                                                                       -- 0 = No, 1 = Yes, 2 = Use default
                                  [int] NOT NULL CONSTRAINT
[CCA_PresetExists]
                                    [DF Camera PresetExists] DEFAULT (2),
                                                                                       -- 0 = No. 1 = Yes. 2 = Use default
                                  [int] NOT NULL CONSTRAINT
[CCA PresetCount]
                                    [DF_Camera_PresetCount] DEFAULT (2),
                                                                                       -- Number configured in database
[CCA_PresetMax]
                                  [int] NOT NULL CONSTRAINT
                                    [DF Camera PresetMax] DEFAULT (0),
                                                                                       -- Number created in namespace, -1 = Use default
[CCA PresetPlayExists]
                                  [int] NOT NULL CONSTRAINT
                                    [DF Camera PresetPlayExists] DEFAULT (2),
                                                                                       -0 = No, 1 = Yes, 2 = Use default
[CCA PresetRecordExists]
                                  [int] NOT NULL CONSTRAINT
                                    [DF_Camera_PresetRecordExists] DEFAULT (2),
                                                                                       -- 0 = No, 1 = Yes, 2 = Use default
                                  [int] NOT NULL CONSTRAINT
[CCA_PresetStopExists]
                                    [DF Camera PresetClearExists] DEFAULT (2),
                                                                                       --0 = No, 1 = Yes, 2 = Use default
[CCA PatternExists]
                                  [int] NOT NULL CONSTRAINT
                                    [DF_Camera_PatternExists] DEFAULT (2),
                                                                                       -- 0 = No, 1 = Yes, 2 = Use default
                                  [int] NOT NULL CONSTRAINT
[CCA_PatternCount]
                                    [DF Camera PatternCount] DEFAULT (0),
                                                                                       -- Number configured in database
[CCA PatternMax]
                                  [int] NOT NULL CONSTRAINT
                                    [DF Camera PatternMax] DEFAULT (99),
                                                                                       -- Number created in namespace, -1 = Use default
                                  [int] NOT NULL CONSTRAINT
[CCA PatternPlayExists]
                                    [DF_Camera_PatternPlayExists] DEFAULT (2),
                                                                                       -- 0 = No, 1 = Yes, 2 = Use default
[CCA PatternRecordExists]
                                  [int] NOT NULL CONSTRAINT
                                    [DF Camera PatternRecordExists] DEFAULT (2),
                                                                                       -- 0 = No, 1 = Yes, 2 = Use default
[CCA_PatternStopExists]
                                  [int] NOT NULL CONSTRAINT
                                    [DF Camera PatternStopExists] DEFAULT (2),
                                                                                       -0 = No, 1 = Yes, 2 = Use default
                                  [int] NOT NULL CONSTRAINT
[CCA PatternPauseExists]
                                    [DF Camera PatternPauseExists] DEFAULT (2),
                                                                                       -0 = No, 1 = Yes, 2 = Use default
[CCA PatternRestartExists]
                                  [int] NOT NULL CONSTRAINT
                                    [DF Camera PatternRestartExists] DEFAULT (2),
                                                                                       -- 0 = No, 1 = Yes, 2 = Use default
                                  [int] NOT NULL CONSTRAINT
[CCA_PatternForwardExists]
                                    [DF Camera PatternForwardExists] DEFAULT (2),
                                                                                       -- 0 = No, 1 = Yes, 2 = Use default
[CCA_PatternBackwardExists]
                                  [int] NOT NULL CONSTRAINT
                                    [DF_Camera_PatternBackwardExists] DEFAULT (2),
                                                                                       -- 0 = No, 1 = Yes, 2 = Use default
                                  [int] NOT NULL CONSTRAINT
[CCA_PatternStepForwardExists]
                                    [DF Camera PatternStepForwardExists] DEFAULT (2), -- 0 = No, 1 = Yes, 2 = Use default
                                 [int] NOT NULL CONSTRAINT
[CCA PatternStepBackwardExists]
                                    [DF Camera PatternStepBackwardExists] DEFAULT (2), -- 0 = No, 1 = Yes, 2 = Use default
[CCA_AuxiliaryExists]
                                  [int] NOT NULL CONSTRAINT
                                                                                       -- 0 = No, 1 = Yes, 2 = Use default
                                    [DF_Camera_AuxiliaryExists] DEFAULT (2),
                                  [int] NOT NULL CONSTRAINT
[CCA_AuxiliaryCount]
                                    [DF Camera AuxiliaryCount] DEFAULT (0),
                                                                                       -- Number configured in database
[CCA AuxiliaryMax]
                                  [int] NOT NULL CONSTRAINT
                                    [DF_Camera_AuxiliaryMax] DEFAULT ((-1)),
                                                                                       -- Number created in namespace, -1 = Use default
                                  [int] NOT NULL CONSTRAINT
[CCA_AuxiliaryPlayExists]
                                    [DF_Camera_AuxiliaryPlayExists] DEFAULT (2),
                                                                                       -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
[CCA AuxiliaryStopExists]
                                  [int] NOT NULL CONSTRAINT
                                    [DF Camera AuxiliaryStopExists] DEFAULT (2),
                                                                                       -0 = No, 1 = Yes, 2 = Use default
                                  CHAR(32) NOT NULL,
                                                                                       -- Site Name
                                  uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
CCA_guid
                                                                                       -- Global unique record identifier
                                                                                       -- Record checksum
CCA checksum
                                 INTEGER NOT NULL,
CONSTRAINT [PK Camera] PRIMARY KEY CLUSTERED
[CCA ID]
) ON [PRIMARY],
CONSTRAINT [FK Camera CCTVSwitch] FOREIGN KEY
[CCA ParentID]
) REFERENCES [CCTVSwitch] (
[CSW_ID]
```

```
) NOT FOR REPLICATION,
 CONSTRAINT [FK_CCTVCamera_CCTVServer] FOREIGN KEY
 [CCA ServerID]
 ) REFERENCES [CCTVServer] (
 [CSV_ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_CCTVCamera_partition] FOREIGN KEY
 [CCA Partition]
 ) REFERENCES [partition] (
 [part_number]
 ) NOT FOR REPLICATION
 ) ON [PRIMARY]
CREATE TABLE [CCTVCamera_save]
 [CCA ID]
                                        [int] NOT NULL.
                                                                                     -- Unique ID of camera record
 [CCA ParentID]
                                        [int] NOT NULL,
                                                                                     -- ID of parent record
 [CCA Name]
                                        [char] (64) NOT NULL,
                                                                                     -- OPC name of camera
                                                                                     -- ID of server record
                                        [int] NOT NULL,
  [CCA_ServerID]
                                                                                     -0 = N_0, 1 = Y_0, 2 = U_0 default
 [CCA_Exists]
                                        [int] NOT NULL,
  [CCA Description]
                                        [char] (64) NOT NULL,
                                                                                     -- Description
  [CCA Partition]
                                        [int] NOT NULL,
                                                                                      -- Partition ID to which this camera belongs
  [CCA Public]
                                        [int] NOT NULL,
                                                                                     -1 = camera is public, 0 = camera is private
 [CCA_GeneralString]
                                        [char] (64) NULL,
                                                                                     -- Camera annotation
                                                                                     -- 0 = No, 1 = Yes, 2 = Use default
 [CCA_TiltExists]
                                        [int] NOT NULL,
 [CCA PanExists]
                                        [int] NOT NULL,
                                                                                     -0 = No, 1 = Yes, 2 = Use default
 [CCA ZoomExists]
                                        [int] NOT NULL,
                                                                                     -0 = No, 1 = Yes, 2 = Use default
  [CCA FocusExists]
                                        [int] NOT NULL,
                                                                                     -- 0 = No, 1 = Yes, 2 = Use default
                                        [int] NOT NULL,
                                                                                     -- 0 = No, 1 = Yes, 2 = Use default
 [CCA IrisExists]
                                        [int] NOT NULL,
                                                                                     -0 = No, 1 = Yes
  [CCA_IrisAutomatic]
  [CCA_LensSpeed]
                                        [int] NOT NULL,
                                                                                      -- Lens speed
  [CCA LensSpeedMax]
                                        [int] NOT NULL,
                                                                                      -- Maximun lens speed, 1 = speed not variable
 [CCA WiperExists]
                                        [int] NOT NULL,
                                                                                     --0 = No, 1 = Yes, 2 = Use default
                                                                                     -- 0 = No, 1 = Yes, 2 = Use default
 [CCA_WasherExists]
                                        [int] NOT NULL,
 [CCA_LightExists]
                                        [int] NOT NULL,
                                                                                     -0 = No, 1 = Yes, 2 = Use default
                                                                                     -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
 [CCA StatusExists]
                                        [int] NOT NULL,
 [CCA_PresetExists]
                                        [int] NOT NULL,
                                                                                     -- 0 = No, 1 = Yes, 2 = Use default
 [CCA PresetCount]
                                        [int] NOT NULL,
                                                                                     -- Number configured in database
                                                                                     -- Number created in namespace, -1 = Use default
  [CCA PresetMax]
                                        [int] NOT NULL,
  [CCA_PresetPlayExists]
                                        [int] NOT NULL,
                                                                                      -- 0 = No, 1 = Yes, 2 = Use default
                                        [int] NOT NULL,
                                                                                      -- 0 = No, 1 = Yes, 2 = Use default
  [CCA PresetRecordExists]
  [CCA_PresetStopExists]
                                        [int] NOT NULL,
                                                                                      -- 0 = No, 1 = Yes, 2 = Use default
 [CCA_PatternExists]
                                       [int] NOT NULL,
                                                                                     -- 0 = No, 1 = Yes, 2 = Use default
 [CCA PatternCount]
                                       [int] NOT NULL,
                                                                                     -- Number configured in database
 [CCA PatternMax]
                                       [int] NOT NULL,
                                                                                     -- Number created in namespace, -1 = Use default
  [CCA_PatternPlayExists]
                                        [int] NOT NULL,
                                                                                     -- 0 = No, 1 = Yes, 2 = Use default
  [CCA PatternRecordExists]
                                        [int] NOT NULL,
                                                                                     -- 0 = No, 1 = Yes, 2 = Use default
  [CCA_PatternStopExists]
                                        [int] NOT NULL,
                                                                                     -- 0 = No, 1 = Yes, 2 = Use default
  [CCA PatternPauseExists]
                                        [int] NOT NULL,
                                                                                     -0 = N_0, 1 = Y_0, 2 = U_0 default
 [CCA PatternRestartExists]
                                        [int] NOT NULL,
                                                                                     -- 0 = No, 1 = Yes, 2 = Use default
  [CCA PatternForwardExists]
                                        [int] NOT NULL,
                                                                                      -0 = No, 1 = Yes, 2 = Use default
                                                                                     -- 0 = No, 1 = Yes, 2 = Use default
 [CCA_PatternBackwardExists]
                                        [int] NOT NULL,
                                                                                      --0 = No, 1 = Yes, 2 = Use default
 [CCA_PatternStepForwardExists]
                                        [int] NOT NULL,
 [CCA PatternStepBackwardExists]
                                        [int] NOT NULL,
                                                                                      -0 = No, 1 = Yes, 2 = Use default
                                                                                     --0 = No, 1 = Yes, 2 = Use default
 [CCA AuxiliaryExists]
                                        [int] NOT NULL,
 [CCA AuxiliaryCount]
                                        [int] NOT NULL,
                                                                                     -- Number configured in database
  [CCA_AuxiliaryMax]
                                        [int] NOT NULL,
                                                                                     -- Number created in namespace, -1 = Use default
                                                                                      -- 0 = No, 1 = Yes, 2 = Use default
  [CCA_AuxiliaryPlayExists]
                                        [int] NOT NULL,
 [CCA AuxiliaryStopExists]
                                        [int] NOT NULL,
                                                                                      -0 = No, 1 = Yes, 2 = Use default
                                        CHAR(32) NOT NULL,
                                                                                      -- Site Name
```

```
CCA guid
                                    uniqueidentifier NOT NULL,
                                                                               -- Global unique record identifier
 CCA_checksum
                                    INTEGER NOT NULL,
                                                                               -- Record checksum
                                                                               -- Guid for update operation
 upd_guid
                                    uniqueidentifier NOT NULL,
                                                                               -- Update mode (0 - delete, 1 - edit, 2 - new)
                                    SMALLINT NOT NULL,
 upd mode
                                    DATETIME NOT NULL,
 upd timestamp
                                                                               -- Date / Time of the update
 upd_checksum
                                    INTEGER NOT NULL,
                                                                               -- Checksum
                                    uniqueidentifier ROWGUIDCOL DEFAULT
 upd rowguid
                                       newid() UNIQUE NOT NULL,
                                                                               -- Global unique record identifier
 CONSTRAINT [PK Camera save] PRIMARY KEY CLUSTERED
 [CCA_ID], upd_mode desc, upd_guid
) ON [PRIMARY]
) ON [PRIMARY]
CREATE TABLE [dbo].[CCTVMacros]
                             [int] IDENTITY NOT FOR REPLICATION NOT NULL,
 [CMA_ID]
                                                                                    -- Unique ID of macro record
 [CMA ParentID]
                             [int] NOT NULL,
                                                                                    -- ID of parent record
                             [char] (64) NOT NULL,
                                                                                    -- OPC name of macro
 [CMA Name]
 [CMA ServerID]
                             [int] NOT NULL,
                                                                                    -- ID of server record
                             [int] NOT NULL CONSTRAINT
 [CMA_Exists]
                                [DF_CCTVMacros_Exists] DEFAULT (1),
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
 [CMA Description]
                             [char] (64) NOT NULL,
                                                                                    -- Description
 [CMA Partition]
                             [int] NOT NULL,
                                                                                    -- Partition ID to which this macro belongs
 [CMA Public]
                             [int] NOT NULL,
                                                                                    -- 1 = macro is public, 0 = macro is private
 site
                             CHAR(32) NOT NULL,
                                                                                    -- Site Name
                             uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                    -- Global unique record identifier
 CMA_guid
 CMA checksum
                             INTEGER NOT NULL,
                                                                                    -- Record checksum
 CONSTRAINT [PK CCTVMacros] PRIMARY KEY CLUSTERED
 [CMA ID]
 ) ON [PRIMARY],
 CONSTRAINT [FK_CCTVMacros_CCTVServer] FOREIGN KEY
 [CMA ServerID]
 ) REFERENCES [dbo].[CCTVServer] (
 [CSV ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_CCTVMacros_CCTVSwitch] FOREIGN KEY
 [CMA ParentID]
 ) REFERENCES [dbo].[CCTVSwitch] (
 [CSW ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_CCTVMacros_partition] FOREIGN KEY
 [CMA Partition]
 ) REFERENCES [dbo].[partition] (
 [part_number]
 ) NOT FOR REPLICATION
 ) ON [PRIMARY]
CREATE TABLE [CCTVMacros save]
                             [int] NOT NULL,
                                                                             -- Unique ID of macro record
 [CMA ID]
 [CMA_ParentID]
                             [int] NOT NULL,
                                                                             -- ID of parent record
 [CMA Name]
                             [char] (64) NOT NULL,
                                                                             -- OPC name of macro
 [CMA ServerID]
                              [int] NOT NULL,
                                                                             -- ID of server record
 [CMA_Exists]
                             [int] NOT NULL,
                                                                             -- 0 = No, 1 = Yes, 2 = Use default
 [CMA Description]
                             [char] (64) NOT NULL,
                                                                             -- Description
                                                                             -- Partition ID to which this macro belongs
 [CMA_Partition]
                             [int] NOT NULL,
```

```
[CMA Public]
                              [int] NOT NULL,
                                                                              -- 1 = macro is public, 0 = macro is private
                              CHAR(32) NOT NULL,
                                                                               -- Site Name
 site
 CMA_guid
                              uniqueidentifier NOT NULL,
                                                                               -- Global unique record identifier
 CMA checksum
                              INTEGER NOT NULL,
                                                                               -- Record checksum
                              uniqueidentifier NOT NULL,
 upd guid
                                                                               -- Guid for update operation
 upd_mode
                              SMALLINT NOT NULL,
                                                                               -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                              DATETIME NOT NULL,
                                                                               -- Date / Time of the update
                              INTEGER NOT NULL.
 upd checksum
                                                                               -- Checksum
                              uniqueidentifier ROWGUIDCOL DEFAULT
 upd rowguid
                                newid() UNIQUE NOT NULL,
                                                                               -- Global unique record identifier
 CONSTRAINT [PK_CCTVMacros_save] PRIMARY KEY CLUSTERED
 [CMA_ID], upd_mode desc, upd_guid
) ON [PRIMARY],
) ON [PRIMARY]
CREATE TABLE [CCTVMonitor]
 [CMO_ID]
                                        [int] IDENTITY NOT FOR REPLICATION
                                          NOT NULL,
                                                                                           -- Unique ID of monitor record
                                                                                           -- ID of parent record
 [CMO_ParentID]
                                        [int] NOT NULL,
                                        [char] (64) NOT NULL,
                                                                                           -- OPC name of monitor
 [CMO_Name]
 [CMO_ServerID]
                                        [int] NOT NULL,
                                                                                           -- ID of server record
 [CMO Exists]
                                        [int] NOT NULL CONSTRAINT
                                          [DF Monitor Exists] DEFAULT (1),
                                                                                           -0 = No, 1 = Yes, 2 = Use default
 [CMO Description]
                                        [char] (64) NOT NULL,
                                                                                           -- Description
 [CMO_Partition]
                                        [int] NOT NULL,
                                                                                           -- Partition ID to which this monitor belongs
 [CMO_Public]
                                        fintl NOT NULL CONSTRAINT
                                          [DF Monitor Public] DEFAULT (1),
                                                                                           -1 = monitor is public, 0 = monitor is private
 [CMO GeneralString]
                                        [char] (64) NULL,
                                                                                           -- monitor annotation
                                        [int] NOT NULL CONSTRAINT
 [CMO SequenceExists]
                                          [DF_Monitor_SequenceExists] DEFAULT (2),
                                                                                                 -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
 [CMO SequenceCount]
                                        [int] NOT NULL CONSTRAINT
                                          [DF Monitor SequenceCount] DEFAULT (0),
                                                                                                 -- Number configured in database
                                        [int] NOT NULL CONSTRAINT
 [CMO_SequenceMax]
                                          [DF Monitor SequenceMax] DEFAULT ((-1)),
                                                                                                 -- Number created in namespace,
                                                                                                   -1 = Use default
                                        [int] NOT NULL CONSTRAINT
 [CMO SequencePlayExists]
                                          [DF Monitor SequencePlayExists] DEFAULT (2),
                                                                                                 -0 = No, 1 = Yes, 2 = Use default
 [CMO_SequenceRecordExists]
                                        [int] NOT NULL CONSTRAINT
                                          [DF_Monitor_SequenceRecordExists] DEFAULT (2),
                                                                                                 -- 0 = No, 1 = Yes, 2 = Use default
                                        [int] NOT NULL CONSTRAINT
 [CMO SequenceStopExists]
                                          [DF Monitor SequenceStopExists] DEFAULT (2),
                                                                                                 -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
 [CMO_SequencePauseExists]
                                        [int] NOT NULL CONSTRAINT
                                          [DF_Monitor_SequencePauseExists] DEFAULT (2),
                                                                                                 -- 0 = No, 1 = Yes, 2 = Use default
                                        [int] NOT NULL CONSTRAINT
 [CMO_SequenceRestartExists]
                                          [DF Monitor SequenceRestartExists] DEFAULT (2).
                                                                                                 -0 = No, 1 = Yes, 2 = Use default
 [CMO SequenceForwardExists]
                                        [int] NOT NULL CONSTRAINT
                                          [DF_Monitor_SequenceForwardExists] DEFAULT (2),
                                                                                                 -- 0 = No, 1 = Yes, 2 = Use default
                                        [int] NOT NULL CONSTRAINT
 [CMO_SequenceBackwardExists]
                                          [DF Monitor SequenceBackwardExists] DEFAULT (2),
                                                                                                 -0 = No, 1 = Yes, 2 = Use default
                                        [int] NOT NULL CONSTRAINT
 [CMO SequenceStepForwardExists]
                                          [DF Monitor SequenceStepForwardExists] DEFAULT (2),
                                                                                                 --0 = No, 1 = Yes, 2 = Use default
 [CMO_SequenceStepBackwardExists]
                                        [int] NOT NULL CONSTRAINT
                                          [DF_Monitor_SequenceStepBackwardExists] DEFAULT (2), -- 0 = No, 1 = Yes, 2 = Use default
 [CMO SequenceCameraForwardExists]
                                        [int] NOT NULL CONSTRAINT
                                          [DF Monitor SequenceCameraForwardExists] DEFAULT (2), -- 0 = No, 1 = Yes, 2 = Use default
 [CMO SequenceCameraBackwardExists]
                                        [int] NOT NULL CONSTRAINT
                                          [DF_Monitor_SequenceCameraBackwardExists] DEFAULT (2),-- 0 = No, 1 = Yes, 2 = Use default
                                        CHAR(32) NOT NULL,
                                                                                                 -- Site Name
 site
                                        uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 CMO_guid
                                                                                                 -- Global unique record identifier
 CMO checksum
                                        INTEGER NOT NULL,
                                                                                                 -- Record checksum
```

CONSTRAINT [PK Monitor] PRIMARY KEY CLUSTERED

```
[CMO ID]
 ) ON [PRIMARY],
 CONSTRAINT [FK CCTVMonitor CCTVServer] FOREIGN KEY
 [CMO_ServerID]
 ) REFERENCES [CCTVServer] (
 [CSV ID]
 ) NOT FOR REPLICATION.
 CONSTRAINT [FK CCTVMonitor partition] FOREIGN KEY
 [CMO_Partition]
 ) REFERENCES [partition] (
 [part number]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_Monitor_CCTVSwitch] FOREIGN KEY
 [CMO ParentID]
 ) REFERENCES [CCTVSwitch] (
 [CSW ID]
 ) NOT FOR REPLICATION
 ) ON [PRIMARY]
CREATE TABLE [CCTVMonitor save]
 [CMO_ID]
                                           [int] NOT NULL,
                                                                                   -- Unique ID of monitor record
 [CMO_ParentID]
                                           [int] NOT NULL,
                                                                                   -- ID of parent record
 [CMO Name]
                                           [char] (64) NOT NULL,
                                                                                   -- OPC name of monitor
 [CMO ServerID]
                                           [int] NOT NULL,
                                                                                   -- ID of server record
 [CMO Exists]
                                           [int] NOT NULL,
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
 [CMO Description]
                                           [char] (64) NOT NULL,
                                                                                   -- Description
                                           [int] NOT NULL,
 [CMO_Partition]
                                                                                   -- Partition ID to which this monitor belongs
 [CMO Public]
                                           [int] NOT NULL,
                                                                                   -1 = monitor is public, 0 = monitor is private
 [CMO_GeneralString]
                                           [char] (64) NULL,
                                                                                   -- monitor annotation
 [CMO_SequenceExists]
                                           [int] NOT NULL,
                                                                                   -0 = No, 1 = Yes, 2 = Use default
 [CMO SequenceCount]
                                           [int] NOT NULL,
                                                                                   -- Number configured in database
 [CMO SequenceMax]
                                           [int] NOT NULL,
                                                                                   -- Number created in namespace, -1 = Use default
 [CMO SequencePlayExists]
                                           [int] NOT NULL,
                                                                                   -0 = No, 1 = Yes, 2 = Use default
 [CMO SequenceRecordExists]
                                           [int] NOT NULL,
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
 [CMO_SequenceStopExists]
                                           [int] NOT NULL,
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
 [CMO_SequencePauseExists]
                                           [int] NOT NULL,
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
 [CMO_SequenceRestartExists]
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
                                           [int] NOT NULL,
 [CMO_SequenceForwardExists]
                                           [int] NOT NULL,
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
 [CMO_SequenceBackwardExists]
                                           [int] NOT NULL,
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
 [CMO SequenceStepForwardExists]
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
                                           [int] NOT NULL,
 [CMO\_SequenceStepBackwardExists] \\
                                           [int] NOT NULL,
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
 [CMO SequenceCameraForwardExists]
                                           [int] NOT NULL,
                                                                                   -- 0 = N_0, 1 = Y_{es}, 2 = U_{se} default
 [CMO SequenceCameraBackwardExists]
                                           [int] NOT NULL,
                                           CHAR(32) NOT NULL,
                                                                                   -- Site Name
 CMO_guid
                                           uniqueidentifier NOT NULL,
                                                                                   -- Global unique record identifier
 CMO_checksum
                                           INTEGER NOT NULL,
                                                                                   -- Record checksum
 upd guid
                                           uniqueidentifier NOT NULL.
                                                                                   -- Guid for update operation
 upd mode
                                           SMALLINT NOT NULL,
                                                                                   -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                                           DATETIME NOT NULL,
                                                                                   -- Date / Time of the update
 upd_checksum
                                           INTEGER NOT NULL,
                                                                                   -- Checksum
                                           uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                                             newid() UNIQUE NOT NULL,
                                                                                   -- Global unique record identifier
 CONSTRAINT [PK Monitor save] PRIMARY KEY CLUSTERED
 [CMO_ID], upd_mode desc, upd_guid
) ON [PRIMARY],
) ON [PRIMARY]
```

```
CREATE TABLE [dbo].[CCTVPattern]
 [CPA ID]
                              [int] IDENTITY NOT FOR REPLICATION NOT NULL,
                                                                                     -- Unique ID of pattern record
 [CPA ParentID]
                              [int] NOT NULL,
                                                                                     -- ID of parent record
 [CPA Name]
                              [char] (64) NOT NULL,
                                                                                     -- OPC name of pattern
 [CPA_ServerID]
                              [int] NOT NULL,
                                                                                     -- ID of server record
 [CPA_Exists]
                              [int] NOT NULL CONSTRAINT
                                 [DF_CCTVPattern_Exists] DEFAULT (1),
                                                                                     -- 0 = No, 1 = Yes, 2 = Use default
 [CPA Description]
                              [char] (64) NOT NULL,
                                                                                     -- Description
                              [int] NOT NULL.
                                                                                     -- Partition ID to which this pattern belongs
 [CPA Partition]
                              [int] NOT NULL,
 [CPA_Public]
                                                                                     -- 1 = pattern is public, 0 = pattern is private
                              CHAR(32) NOT NULL,
                                                                                     -- Site Name
 site
                              uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 CPA_guid
                                                                                     -- Global unique record identifier
 CPA checksum
                              INTEGER NOT NULL,
                                                                                     -- Record checksum
 CONSTRAINT [PK CCTVPattern] PRIMARY KEY CLUSTERED
 [CPA_ID]
 ) ON [PRIMARY],
 CONSTRAINT [FK_CCTVPattern_CCTVServer] FOREIGN KEY
 [CPA ServerID]
 ) REFERENCES [dbo].[CCTVServer] (
 [CSV_ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_CCTVPattern_partition] FOREIGN KEY
 [CPA Partition]
 ) REFERENCES [dbo].[partition] (
 [part number]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK Pattern Camera] FOREIGN KEY
 [CPA ParentID]
 ) REFERENCES [dbo].[CCTVCamera] (
 [CCA ID]
 ) NOT FOR REPLICATION
 ) ON [PRIMARY]
CREATE TABLE [CCTVPattern_save]
 [CPA ID]
                         [int] NOT NULL,
                                                                            -- Unique ID of pattern record
 [CPA ParentID]
                         [int] NOT NULL,
                                                                            -- ID of parent record
 [CPA_Name]
                         [char] (64) NOT NULL,
                                                                            -- OPC name of pattern
 [CPA_ServerID]
                         [int] NOT NULL,
                                                                            -- ID of server record
                         [int] NOT NULL,
                                                                            -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
 [CPA_Exists]
 [CPA_Description]
                         [char] (64) NOT NULL,
                                                                            -- Description
 [CPA Partition]
                         [int] NOT NULL,
                                                                            -- Partition ID to which this pattern belongs
                         [int] NOT NULL.
 [CPA_Public]
                                                                            -1 = pattern is public, 0 = pattern is private
                         CHAR(32) NOT NULL.
                                                                            -- Site Name
 site
 CPA guid
                         uniqueidentifier NOT NULL,
                                                                            -- Global unique record identifier
 CPA_checksum
                         INTEGER NOT NULL,
                                                                            -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                            -- Guid for update operation
 upd_mode
                         SMALLINT NOT NULL,
                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
                         DATETIME NOT NULL,
 upd timestamp
                                                                            -- Date / Time of the update
 upd_checksum
                         INTEGER NOT NULL,
                                                                            -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT
 upd rowguid
                            newid() UNIQUE NOT NULL,
                                                                            -- Global unique record identifier
 CONSTRAINT [PK CCTVPattern save] PRIMARY KEY CLUSTERED
 [CPA ID], upd mode desc, upd guid
) ON [PRIMARY],
) ON [PRIMARY]
```

```
CREATE TABLE [dbo].[CCTVPreset]
 [CPR ID]
                              [int] IDENTITY NOT FOR REPLICATION NOT NULL,
                                                                                   -- Unique ID of preset record
 [CPR ParentID]
                              [int] NOT NULL,
                                                                                   -- ID of parent record
                              [char] (64) NOT NULL,
 [CPR Name]
                                                                                   -- OPC name of preset
 [CPR_ServerID]
                              [int] NOT NULL,
                                                                                   -- ID of server record
 [CPR_Exists]
                              [int] NOT NULL CONSTRAINT
                                [DF_CCTVPreset_Exists] DEFAULT (1),
                                                                                   -- 0 = No, 1 = Yes, 2 = Use default
 [CPR Description]
                              [char] (64) NOT NULL,
                                                                                   -- Description
 [CPR Partition]
                              [int] NOT NULL.
                                                                                   -- Partition ID to which this preset belongs
 [CPR_Public]
                              [int] NOT NULL,
                                                                                   -1 = preset is public, 0 = preset is private
                              CHAR(32) NOT NULL,
 site
                                                                                   -- Site Name
                              uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 CPR_guid
                                                                                   -- Global unique record identifier
 CPR_checksum
                             INTEGER NOT NULL,
                                                                                   -- Record checksum
 CONSTRAINT [PK_CCTVPreset] PRIMARY KEY CLUSTERED
 [CPR_ID]
 ) ON [PRIMARY],
 CONSTRAINT [FK_CCTVPreset_CCTVCamera] FOREIGN KEY
 [CPR ParentID]
 ) REFERENCES [dbo].[CCTVCamera] (
 [CCA_ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_CCTVPreset_CCTVServer] FOREIGN KEY
 [CPR ServerID]
 ) REFERENCES [dbo].[CCTVServer] (
 [CSV_ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK CCTVPreset partition] FOREIGN KEY
 [CPR Partition]
 ) REFERENCES [dbo].[partition] (
 [part number]
 )NOT FOR REPLICATION
 ) ON [PRIMARY]
CREATE TABLE [CCTVPreset_save]
 [CPR ID]
                         [int] NOT NULL,
                                                                            -- Unique ID of preset record
 [CPR ParentID]
                                                                            -- ID of parent record
                         [int] NOT NULL,
                                                                            -- OPC name of preset
 [CPR_Name]
                         [char] (64) NOT NULL,
                         [int] NOT NULL,
 [CPR_ServerID]
                                                                            -- ID of server record
                         [int] NOT NULL,
                                                                            -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
 [CPR_Exists]
 [CPR_Description]
                         [char] (64) NOT NULL,
                                                                            -- Description
 [CPR Partition]
                         [int] NOT NULL,
                                                                            -- Partition ID to which this preset belongs
 [CPR_Public]
                         [int] NOT NULL,
                                                                            -1 = preset is public, 0 = preset is private
                         CHAR(32) NOT NULL,
                                                                            -- Site Name
 site
 CPR guid
                                                                            -- Global unique record identifier
                         uniqueidentifier NOT NULL,
 CPR_checksum
                         INTEGER NOT NULL,
                                                                            -- Record checksum
                         uniqueidentifier NOT NULL,
                                                                            -- Guid for update operation
 upd_guid
                         SMALLINT NOT NULL,
 upd mode
                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                         DATETIME NOT NULL,
                                                                            -- Date / Time of the update
 upd_checksum
                         INTEGER NOT NULL,
                                                                            -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                           newid() UNIQUE NOT NULL,
                                                                            -- Global unique record identifier
 CONSTRAINT [PK_CCTVPreset_save] PRIMARY KEY CLUSTERED
 [CPR ID], upd mode desc, upd guid
```

) ON [PRIMARY], ) ON [PRIMARY]

```
CREATE TABLE [dbo].[CCTVSequence]
 [CSE ID]
                         [int] IDENTITY NOT FOR REPLICATION NOT NULL,
                                                                                 -- Unique ID of sequence record
 [CSE ParentID]
                         [int] NOT NULL,
                                                                                 -- ID of parent record
 [CSE_Name]
                         [char] (64) NOT NULL,
                                                                                 -- OPC name of sequence
 [CSE_ServerID]
                         [int] NOT NULL,
                                                                                 -- ID of server record
 [CSE_Exists]
                         [int] NOT NULL CONSTRAINT
                           [DF_CCTVSequence_Exists] DEFAULT (1),
                                                                                 -0 = No, 1 = Yes, 2 = Use default
 [CSE Description]
                         [char] (64) NOT NULL,
                                                                                 -- Description
                         [int] NOT NULL.
                                                                                 -- Partition ID to which this sequence belongs
 [CSE Partition]
                         [int] NOT NULL,
 [CSE_Public]
                                                                                 -1 = sequence is public, 0 = sequence is private
                         CHAR(32) NOT NULL,
 site
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 CSE_guid
                                                                                 -- Global unique record identifier
 CSE\_checksum
                         INTEGER NOT NULL,
                                                                                 -- Record checksum
 CONSTRAINT [PK CCTVSequence] PRIMARY KEY CLUSTERED
 [CSE_ID]
 ) ON [PRIMARY],
 CONSTRAINT [FK_CCTVSequence_CCTVMonitor] FOREIGN KEY
 [CSE ParentID]
 ) REFERENCES [dbo].[CCTVMonitor] (
 [CMO_ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK_CCTVSequence_CCTVServer] FOREIGN KEY
 [CSE ServerID]
 ) REFERENCES [dbo].[CCTVServer] (
 [CSV_ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK CCTVSequence partition] FOREIGN KEY
 [CSE Partition]
 ) REFERENCES [dbo].[partition] (
 [part number]
 )NOT FOR REPLICATION
 ) ON [PRIMARY]
CREATE TABLE [CCTVSequence_save]
 [CSE ID]
                         [int] NOT NULL,
                                                                           -- Unique ID of sequence record
 [CSE ParentID]
                         [int] NOT NULL,
                                                                           -- ID of parent record
                                                                           -- OPC name of sequence
 [CSE_Name]
                         [char] (64) NOT NULL,
 [CSE_ServerID]
                         [int] NOT NULL,
                                                                           -- ID of server record
                         [int] NOT NULL,
                                                                           -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
 [CSE_Exists]
 [CSE_Description]
                         [char] (64) NOT NULL,
                                                                           -- Description
 [CSE Partition]
                         [int] NOT NULL,
                                                                           -- Partition ID to which this sequence belongs
                         [int] NOT NULL.
 [CSE_Public]
                                                                           -1 = sequence is public, 0 = sequence is private
                         CHAR(32) NOT NULL,
                                                                           -- Site Name
 site
 CSE guid
                         uniqueidentifier NOT NULL,
                                                                           -- Global unique record identifier
 CSE_checksum
                         INTEGER NOT NULL,
                                                                           -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                           -- Guid for update operation
 upd_mode
                         SMALLINT NOT NULL,
                                                                           -- Update mode (0 - delete, 1 - edit, 2 - new)
                         DATETIME NOT NULL,
 upd timestamp
                                                                           -- Date / Time of the update
 upd_checksum
                         INTEGER NOT NULL,
                                                                           -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT
 upd rowguid
                           newid() UNIQUE NOT NULL,
                                                                           -- Global unique record identifier
 CONSTRAINT [PK_CCTVSequence_save] PRIMARY KEY CLUSTERED
 [CSE ID], upd mode desc, upd guid
) ON [PRIMARY],
) ON [PRIMARY]
```

```
CREATE TABLE [CCTVServer]
 [CSV ID]
                         [int] IDENTITY NOT FOR REPLICATION NOT NULL,
                                                                                 -- Unique ID of server record
 [CSV_ParentID]
                         [int] NOT NULL,
                                                                                 -- ID of parent record
                                                                                 -- OPC Name - defaults to description
 [CSV_Name]
                         [char] (64) NOT NULL,
 [CSV_ServerID]
                         [int] NOT NULL,
                                                                                 -- Same as CSV ID
 [CSV_Exists]
                         [int] NOT NULL CONSTRAINT [DF_CCTVServer_Exists]
                            DEFAULT (1),
                                                                                 -- 0 = No, 1 = Yes, 2 = Use default
 [CSV Description]
                         [char] (64) NOT NULL,
                                                                                 -- Description - must be unique
 [CSV Partition]
                         [int] NOT NULL,
                                                                                 -- Partition ID to which this server belongs
 [CSV_Public]
                         [int] NOT NULL,
                                                                                 -1 = server is public, 0 = server is private
 [CSV PCName]
                         [char] (64) NOT NULL,
                                                                                 -- PC Name of server computer
 [CSV_ProgID]
                         [char] (64) NOT NULL,
                                                                                 -- Registry name of CCTV Server
                         CHAR(32) NOT NULL,
                                                                                 -- Site Name
 site
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 CSV_guid
                                                                                 -- Global unique record identifier
 CSV checksum
                         INTEGER NOT NULL,
                                                                                 -- Record checksum
 CONSTRAINT [PK_CCTVServer] PRIMARY KEY CLUSTERED
 [CSV_ID]
 ) ON [PRIMARY],
 CONSTRAINT [FK CCTVServer partition] FOREIGN KEY
 [CSV_Partition]
 ) REFERENCES [partition] (
 [part number]
 ) NOT FOR REPLICATION,
 ) ON [PRIMARY]
CREATE TABLE [CCTVServer_save]
 [CSV ID]
                         [int] NOT NULL,
                                                                            -- Unique ID of server record
 [CSV_ParentID]
                         [int] NOT NULL,
                                                                            -- ID of parent record
 [CSV\_Name]
                         [char] (64) NOT NULL,
                                                                            -- OPC Name - defaults to description
 [CSV_ServerID]
                         [int] NOT NULL,
                                                                            -- Same as CSV ID
 [CSV_Exists]
                         [int] NOT NULL,
                                                                            -0 = No, 1 = Yes, 2 = Use default
 [CSV_Description]
                         [char] (64) NOT NULL,
                                                                            -- Description - must be unique
 [CSV_Partition]
                         [int] NOT NULL,
                                                                            -- Partition ID to which this server belongs
 [CSV_Public]
                         [int] NOT NULL,
                                                                            -1 = server is public, 0 = server is private
 [CSV PCName]
                         [char] (64) NOT NULL,
                                                                            -- PC Name of server computer
 [CSV_ProgID]
                         [char] (64) NOT NULL,
                                                                            -- Registry name of CCTV Server
                         CHAR(32) NOT NULL,
                                                                            -- Site Name
 CSV_guid
                         uniqueidentifier NOT NULL,
                                                                            -- Global unique record identifier
 CSV_checksum
                         INTEGER NOT NULL,
                                                                            -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                            -- Guid for update operation
                         SMALLINT NOT NULL,
                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
 upd_timestamp
                         DATETIME NOT NULL,
                                                                            -- Date / Time of the update
                                                                            -- Checksum
 upd_checksum
                         INTEGER NOT NULL,
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                            -- Global unique record identifier
 CONSTRAINT [PK_CCTVServer_save] PRIMARY KEY CLUSTERED
 [CSV_ID], upd_mode desc, upd_guid
) ON [PRIMARY],
) ON [PRIMARY]
CREATE TABLE [CCTVSwitch]
 [CSW ID]
                              [int] IDENTITY NOT FOR REPLICATION NOT NULL,
                                                                                              -- Unique ID of switch record
```

[CSW\_ParentID]

[CSW Name]

[int] NOT NULL,

[char] (64) NOT NULL,

-- ID of parent record

-- OPC name of switch

[CSW_ServerID]	[int] NOT NULL,	ID of server record
[CSW_Exists]	[int] NOT NULL CONSTRAINT	
	[DF_CCTVSwitch_Exists] DEFAULT (1),	-0 = No, 1 = Yes, 2 = Use default
[CSW_Description]	[char] (64) NOT NULL,	Description
[CSW_Partition]	[int] NOT NULL CONSTRAINT	
	[DF_CCTVSwitch_Partition] DEFAULT (0),	Partition ID to which this switch belongs
[CSW_Public]	[int] NOT NULL CONSTRAINT [	
	DF_CCTVSwitch_Public] DEFAULT (1),	-1 = switch is public, $0$ = switch is private
[CSW_Priority]	[int] NOT NULL CONSTRAINT	
	[DF_CCTVSwitch_Priority] DEFAULT (0),	Not used
[CSW_CCTVProtocolType]	[char] (64) NOT NULL,	CCTV manufacturer protocol type
[CSW_Type]	[int] NOT NULL CONSTRAINT	
	[DF_CCTVSwitch_Type] DEFAULT (0),	-1 = Serial comms, 2 = TCP/IP
[CSW_Port]	[char] (64) NOT NULL CONSTRAINT	
	[DF_CCTVSwitch_Port] DEFAULT ('COM1'),	Serial port switch is connected to
[CSW_Baudrate]	[int] NOT NULL CONSTRAINT	
	[DF_CCTVSwitch_Baudrate] DEFAULT (9600),	Baudrate
[CSW_DataBits]	[int] NOT NULL CONSTRAINT	
	[DF_CCTVSwitch_DataBits] DEFAULT (8),	Word size
[CSW_Parity]	[int] NOT NULL CONSTRAINT	
	[DF_CCTVSwitch_Parity] DEFAULT (0),	Parity setting
[CSW_StopBits]	[int] NOT NULL CONSTRAINT	
	[DF CCTVSwitch StopBits] DEFAULT (1),	Stop bits
[CSW_IPAddress]	[char] (64) NULL,	IP address or computer name
[CSW AlarmExists]	[int] NOT NULL CONSTRAINT	•
,	[DF CCTVSwitch AlarmExists] DEFAULT (2),	-0 = No, 1 = Yes, 2 = Use default
[CSW AlarmCount]	[int] NOT NULL CONSTRAINT	, ,
,	[DF CCTVSwitch AlarmCount] DEFAULT (0),	Number configured in database
[CSW AlarmMax]	[int] NOT NULL CONSTRAINT	2
[	[DF_CCTVSwitch_AlarmMax] DEFAULT ((-1)),	Number created in namespace,
		-1 = Use default
[CSW AlarmPlayExists]	[int] NOT NULL CONSTRAINT	
[	[DF_CCTVSwitch_AlarmPlayExists] DEFAULT (2),	$-0 = N_0, 1 = Y_{es}, 2 = U_{se}$ default
[CSW_AlarmStopExists]	[int] NOT NULL CONSTRAINT	,,
[	[DF_CCTVSwitch_AlarmStopExists] DEFAULT (2),	$-0 = N_0, 1 = Y_{es}, 2 = U_{se} default$
[CSW AuxiliaryExists]	[int] NOT NULL CONSTRAINT	,,
[	[DF_CCTVSwitch_AuxiliaryExists] DEFAULT (2),	$-0 = N_0, 1 = Y_{es}, 2 = U_{se} default$
[CSW_AuxiliaryCount]	[int] NOT NULL CONSTRAINT	,,
[]	[DF_CCTVSwitch_AuxiliaryCount] DEFAULT (0),	Number configured in database
[CSW AuxiliaryMax]	[int] NOT NULL CONSTRAINT	- · · · · · · · · · · · · · · · · · · ·
[00.11.11.11.11.11.11.11.11.11.11.11.11.1	[DF_CCTVSwitch_AuxiliaryMax] DEFAULT ((-1)),	Number created in namespace,
	[21_001+0+101_11011101] 22111021 ((1)),	-1 = Use default
[CSW AuxiliaryPlayExists]	[int] NOT NULL CONSTRAINT	1 Ose deliant
[esi inin ji in z.ii.oto]	[DF CCTVSwitch AuxiliaryPlayExists] DEFAULT (2),	-0 = No, 1 = Yes, 2 = Use default
[CSW AuxiliaryStopExists]	[int] NOT NULL CONSTRAINT	0 110, 1 103, 2 030 delidar
[esw_namarystopExists]	[DF CCTVSwitch AuxiliaryStopExists] DEFAULT (2),	-0 = No, 1 = Yes, 2 = Use default
[CSW MacroExists]	[int] NOT NULL CONSTRAINT	0 100, 1 103, 2 030 deladit
[CSW_WacioLxists]	[DF_CCTVSwitch_MacroExists] DEFAULT (2),	$-0 = N_0, 1 = Y_{es}, 2 = U_{se}$ default
[CSW MacroCount]	[int] NOT NULL CONSTRAINT	0 100, 1 1cs, 2 Osc delauti
[CSW_Macrocount]	[DF_CCTVSwitch_MacroCount] DEFAULT (2),	Number configured in database
[CSW MacroMax]	[int] NOT NULL CONSTRAINT	Number configured in database
[CSW_MacloMax]		Number created in namespace,
	[DF_CCTVSwitch_MacroMax] DEFAULT ((-1)),	-1 = Use default
[CSW MacroPlayExists]	[int] NOT NULL CONSTRAINT	-1 – Ose default
[CSW_Macion layExists]		-0 = No, 1 = Yes, 2 = Use default
[CCW MPdEt-]	[DF_CCTVSwitch_MacroPlayExists] DEFAULT (2),	0 - No, 1 - 1es, 2 - Ose default
[CSW_MacroRecordExists]	[int] NOT NULL CONSTRAINT	$0 = N_0$ , $1 = V_{00}$ , $2 = U_{00}$ default
[CCW MCtEt-]	[DF_CCTVSwitch_MacroRecordExists] DEFAULT (2),	-0 = No, 1 = Yes, 2 = Use default
[CSW_MacroStopExists]	[int] NOT NULL CONSTRAINT	
ICCW M. P. F. 1.3	[DF_CCTVSwitch_MacroStopExists] DEFAULT (2),	-0 = No, 1 = Yes, 2 = Use default
[CSW_MacroPauseExists]	[int] NOT NULL CONSTRAINT	0 N 1 N 2 N 12 N
ECONUM P : T	[DF_CCTVSwitch_MacroPauseExists] DEFAULT (2),	-0 = No, 1 = Yes, 2 = Use default
[CSW_MacroRestartExists]	[int] NOT NULL CONSTRAINT	
FOOTH TO THE T	[DF_CCTVSwitch_MacroRestartExists] DEFAULT (2),	-0 = No, 1 = Yes, 2 = Use default
[CSW_TourExists]	[int] NOT NULL CONSTRAINT	
	[DF_CCTVSwitch_TourExists] DEFAULT (2),	0 = No, 1 = Yes, 2 = Use default

[CSW TourCount]	nt] NOT NULL CONSTRAINT			
	[DF_CCTVSwitch_TourCount] DEFAULT (0),	Number configured in database		
[CSW_TourMax]	nt] NOT NULL CONSTRAINT			
	[DF_CCTVSwitch_TourMax] DEFAULT ((-1)),	<ul><li> Number created in namespace,</li><li>-1 = Use default</li></ul>		
[CSW TourPlayExists]	[int] NOT NULL CONSTRAINT [DF_CCTVSwitch_TourPlayExis			
, ,	DEFAULT (2),	-0 = No, $1 = Yes$ , $2 = Use default$		
[CSW_TourRecordExists]	[int] NOT NULL CONSTRAINT			
FORWAY TO BE TO THE	[DF_CCTVSwitch_TourRecordExists] DEFAULT (2),	-0 = No, 1 = Yes, 2 = Use default		
[CSW_TourStopExists]	<pre>[int] NOT NULL CONSTRAINT [DF_CCTVSwitch_TourStopExists] DEFAULT (2),</pre>	-0 = No, 1 = Yes, 2 = Use default		
[CSW_TourPauseExists]	[int] NOT NULL CONSTRAINT	0 - No, 1 - 10s, 2 - 0sc detault		
[]	[DF_CCTVSwitch_TourPauseExists] DEFAULT (2),	-0 = No, 1 = Yes, 2 = Use default		
[CSW_TourRestartExists]	[int] NOT NULL CONSTRAINT			
forms in the state	[DF_CCTVSwitch_TourRestartExists] DEFAULT (2),	-0 = No, 1 = Yes, 2 = Use default		
[CSW_TourForwardExists]	[int] NOT NULL CONSTRAINT	0 = No. 1 = Veg. 2 = Has default		
[CSW_TourBackwardExists]	[DF_CCTVSwitch_TourForwardExists] DEFAULT (2), [int] NOT NULL CONSTRAINT	-0 = No, 1 = Yes, 2 = Use default		
[CSW_TourbuckwardDassis]	[DF_CCTVSwitch_TourBackwardExists] DEFAULT (2),	-0 = No, 1 = Yes, 2 = Use default		
[CSW_TourStepForwardExists]	[int] NOT NULL CONSTRAINT			
	[DF_CCTVSwitch_TourStepForwardExists] DEFAULT (2),	0 = No, 1 = Yes, 2 = Use default		
[CSW_TourStepBackwardExists]	[int] NOT NULL CONSTRAINT			
[CSW_TourCameraForwardExists	[DF_CCTVSwitch_StepBackwardExists] DEFAULT (2), [int] NOT NULL CONSTRAINT	-0 = No, 1 = Yes, 2 = Use default		
[CSW_TourCamerar of wardLxists	[DF CCTVSwitch TourCameraForwardExists] DEFAULT (2),	-0 = No.  1 = Yes.  2 = Use default		
[CSW_TourCameraBackwardExis	ts] [int] NOT NULL CONSTRAINT			
_	[DF_CCTVSwitch_TourCameraBackwardExists] DEFAULT (2)	1 - 0 = No, 1 = Yes, 2 = Use default		
[CSW_MonitorCount]	[int] NOT NULL CONSTRAINT			
[CSW MonitorMax]	[DF_CCTVSwitch_MonitorCount] DEFAULT (0), [int] NOT NULL CONSTRAINT	Number configured in database		
[CSW_INDIRIONIAX]	[DF_CCTVSwitch_MonitorMax] DEFAULT ((-1)),	Number created in namespace,		
	[21_001,000000000000000000000000000000000	-1 = Use default		
[CSW_SequenceExists]	[int] NOT NULL CONSTRAINT			
	[DF_CCTVSwitch_SequenceExists] DEFAULT (2),	-0 = No, 1 = Yes, 2 = Use default		
[CSW_SequenceMax]	[int] NOT NULL CONSTRAINT	0 = No. 1 = Veg. 2 = Has default		
[CSW_SequencePlayExists]	[DF_CCTVSwitch_SequenceMax] DEFAULT ((-1)), [int] NOT NULL CONSTRAINT	-0 = No, 1 = Yes, 2 = Use default		
[CSW_Sequencer lay Exists]	[DF_CCTVSwitch_SequencePlayExists] DEFAULT (2),	-0 = No, 1 = Yes, 2 = Use default		
[CSW_SequenceRecordExists]	[int] NOT NULL CONSTRAINT			
	[DF_CCTVSwitch_SequenceRecordExists] DEFAULT (2),	-0 = No, 1 = Yes, 2 = Use default		
[CSW_SequenceStopExists]	[int] NOT NULL CONSTRAINT			
[CSW_SequencePauseExists]	[DF_CCTVSwitch_SequenceStopExists] DEFAULT (2), [int] NOT NULL CONSTRAINT	-0 = No, 1 = Yes, 2 = Use default		
[esw_sequencer auseExists]	[DF_CCTVSwitch_SequencePauseExists] DEFAULT (2),	$-0 = N_0$ , $1 = Y_0$ , $2 = U_0$ default		
[CSW_SequenceRestartExists]	[int] NOT NULL CONSTRAINT			
	[DF_CCTVSwitch_SequenceRestartExists] DEFAULT (2),	-0 = No, 1 = Yes, 2 = Use default		
[CSW_SequenceStepForwardExis	ts] [int] NOT NULL CONSTRAINT			
[CSW_SequenceStenBackwardEy	[DF_CCTVSwitch_SequenceStepForwardExists] DEFAULT (2) ists] [int] NOT NULL CONSTRAINT	, $0 = No$ , $1 = Yes$ , $2 = Use default$		
[CSW_SequenceStepBackwardEx	[DF CCTVSwitch SequenceStepBackwardExists] DEFAULT	(2) $0 = No.  1 = Yes.  2 = Use default$		
[CSW_SequenceCameraForwardF	xists] [int] NOT NULL CONSTRAINT			
	$[DF\_CCTVSwitch\_Sequence Camera Forward Exists]\ DEFAUL$	$\Gamma$ (2), 0 = No, 1 = Yes, 2 = Use default		
[CSW_SequenceCameraBackwardExists] [int] NOT NULL CONSTRAINT				
[CSW CameraCount]	[DF_CCTVSwitch_SequenceCameraBackwardExists] DEFAU [int] NOT NULL CONSTRAINT	OLI(2),0 = No, I = Yes, 2 = Use default		
[CSW_Cameracount]	[DF_CCTVSwitch_CameraCount] DEFAULT (0),	Number configured in database		
[CSW CameraMax]	[int] NOT NULL CONSTRAINT	Trumoor configured in database		
	[DF_CCTVSwitch_CameraMax] DEFAULT ((-1)),	Number created in namespace,		
-1 = Use default				
[CSW_PresetExists]	[int] NOT NULL CONSTRAINT	0 - No. 1 - Vos. 2 - H 1-51		
[CSW PresetMax]	[DF_CCTVSwitch_PresetExists] DEFAULT (2), [int] NOT NULL CONSTRAINT	$-0 = N_0$ , $1 = Y_{es}$ , $2 = U_{se}$ default		
[COM_1 ICSCUMAN]	[DF_CCTVSwitch_PresetMax] DEFAULT ((-1)),	Number created in namespace,		
		-1 = Use default		
[CSW_PresetPlayExists]	[int] NOT NULL CONSTRAINT			

```
[DF CCTVSwitch PresetPlayExists] DEFAULT (2),
                                                                                              -0 = No, 1 = Yes, 2 = Use default
 [CSW_PresetRecordExists]
                                  [int] NOT NULL CONSTRAINT
                                     [DF CCTVSwitch PresetRecordExists] DEFAULT (2),
                                                                                              -- 0 = No, 1 = Yes, 2 = Use default
                                  [int] NOT NULL CONSTRAINT
 [CSW PresetStopExists]
                                     [DF CCTVSwitch PresetStopExists] DEFAULT (2),
                                                                                              --0 = No, 1 = Yes, 2 = Use default
 [CSW_PatternExists]
                                  [int] NOT NULL CONSTRAINT
                                     [DF CCTVSwitch PatternExists] DEFAULT (2),
                                                                                              -- 0 = No, 1 = Yes, 2 = Use default
                                  [int] NOT NULL CONSTRAINT
 [CSW_PatternMax]
                                     [DF CCTVSwitch PatternMax] DEFAULT ((-1)),
                                                                                              -- Number created in namespace,
                                                                                               -1 = Use default
 [CSW_PatternPlayExists]
                                  [int] NOT NULL CONSTRAINT
                                     [DF_CCTVSwitch_PatternPlayExists] DEFAULT (2),
                                                                                              -- 0 = No, 1 = Yes, 2 = Use default
 [CSW PatternRecordExists]
                                  [int] NOT NULL CONSTRAINT
                                     [DF CCTVSwitch PatternRecordExists] DEFAULT (2),
                                                                                              --0 = No, 1 = Yes, 2 = Use default
 [CSW PatternStopExists]
                                  [int] NOT NULL CONSTRAINT
                                     [DF_CCTVSwitch_PatternStopExists] DEFAULT (2),
                                                                                              -- 0 = No, 1 = Yes, 2 = Use default
                                  [int] NOT NULL CONSTRAINT
 [CSW_PatternPauseExists]
                                     [DF CCTVSwitch PatternPauseExists] DEFAULT (2),
                                                                                              -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
                                  [int] NOT NULL CONSTRAINT
 [CSW PatternRestartExists]
                                     [DF CCTVSwitch PatternRestartExists] DEFAULT (2),
                                                                                              --0 = No, 1 = Yes, 2 = Use default
 [CSW_PatternStepForwardExists]
                                  [int] NOT NULL CONSTRAINT
                                     [DF_CCTVSwitch_PatternStepForwardExists] DEFAULT (2),
                                                                                             --0 = No, 1 = Yes, 2 = Use default
 [CSW_PatternStepBackwardExists]
                                  [int] NOT NULL CONSTRAINT
                                     [DF CCTVSwitch PatternStepBackwardExists] DEFAULT (2), -- 0 = No, 1 = Yes, 2 = Use default
 [CSW CameraAuxiliaryExists]
                                  [int] NOT NULL CONSTRAINT
                                     [DF CCTVSwitch CameraAuxiliaryExists] DEFAULT (2),
                                                                                              -- 0 = No, 1 = Yes, 2 = Use default
 [CSW_CameraAuxiliaryMax]
                                  [int] NOT NULL CONSTRAINT
                                                                                              -- Number created in namespace,
                                     [DF_CCTVSwitch_CameraAuxiliaryMax] DEFAULT ((-1)),
                                                                                                -1 = Use default
 [CSW CameraAuxiliaryPlayExists]
                                  [int] NOT NULL CONSTRAINT
                                     [DF CCTVSwitch CameraAuxiliaryPlayExists] DEFAULT (2), -- 0 = No, 1 = Yes, 2 = Use default
                                  [int] NOT NULL CONSTRAINT
 [CSW CameraAuxiliaryStopExists]
                                     [DF CCTVSwitch CameraAuxiliaryStopExists] DEFAULT (2), -- 0 = No, 1 = Yes, 2 = Use default
 [CSW TimeOut]
                                  [int] not NULL,
                                                                                       -- TimeOut time for communication with matrix
                                  CHAR(32) NOT NULL,
                                                                                       -- Site Name
 CSW guid
                                  uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                       -- Global unique record identifier
                                  INTEGER NOT NULL,
 CSW checksum
                                                                                       -- Record checksum
 CONSTRAINT [PK CCTVSwitch] PRIMARY KEY CLUSTERED
 [CSW ID]
 ) ON [PRIMARY].
 CONSTRAINT [FK CCTVSwitch CCTVServer] FOREIGN KEY
 [CSW_ServerID]
 ) REFERENCES [CCTVServer] (
 [CSV ID]
 ) NOT FOR REPLICATION.
 CONSTRAINT [FK CCTVSwitch partition] FOREIGN KEY
 [CSW_Partition]
 ) REFERENCES [partition] (
 [part number]
 ) NOT FOR REPLICATION,
 ) ON [PRIMARY]
CREATE TABLE [CCTVSwitch save]
 [CSW ID]
                                      [int] NOT NULL,
                                                                           -- Unique ID of switch record
 [CSW_ParentID]
                                      [int] NOT NULL,
                                                                           -- ID of parent record
 [CSW_Name]
                                      [char] (64) NOT NULL,
                                                                           -- OPC name of switch
 [CSW_ServerID]
                                      [int] NOT NULL,
                                                                           -- ID of server record
```

[int] NOT NULL,

[CSW Exists]

--0 = No, 1 = Yes, 2 = Use default

[CSW_Description]	[char] (64) NOT NULL,	Description
[CSW_Partition]	[int] NOT NULL,	Partition ID to which this switch belongs
[CSW_Public]	[int] NOT NULL,	-1 = switch is public, $0$ = switch is private
[CSW_Priority]	[int] NOT NULL,	Not used
[CSW_CCTVProtocolType]	[char] (64) NOT NULL,	CCTV manufacturer protocol type
[CSW_Type]	[int] NOT NULL,	1 = Serial comms, 2 = TCP/IP
[CSW_Port]	[char] (64) NOT NULL,	Serial port switch is connected to
[CSW_Baudrate]	[int] NOT NULL,	Baudrate
[CSW_DataBits]	[int] NOT NULL,	Word size
[CSW_Parity]	[int] NOT NULL,	Parity setting
[CSW_StopBits]	[int] NOT NULL,	Stop bits
[CSW_IPAddress]	[char] (64) NULL,	IP address or computer name
[CSW_AlarmExists]	[int] NOT NULL,	0 = No, 1 = Yes, 2 = Use default
[CSW_AlarmCount]	[int] NOT NULL,	Number configured in database
[CSW_AlarmMax]	[int] NOT NULL,	Number created in namespace, -1 = Use default
[CSW_AlarmPlayExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW_AlarmStopExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW_AuxiliaryExists]	[int] NOT NULL,	-0 = No, $1 = Yes$ , $2 = Use default$
[CSW_AuxiliaryCount]	[int] NOT NULL,	Number configured in database
[CSW_AuxiliaryMax]	[int] NOT NULL,	Number created in namespace, -1 = Use default
[CSW_AuxiliaryPlayExists]	[int] NOT NULL,	0 = No, 1 = Yes, 2 = Use default
[CSW_AuxiliaryStopExists]	[int] NOT NULL,	-0 = No, $1 = Yes$ , $2 = Use default$
[CSW_MacroExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW_MacroCount]	[int] NOT NULL,	Number configured in database
[CSW_MacroMax]	[int] NOT NULL,	Number created in namespace, -1 = Use default
[CSW_MacroPlayExists]	[int] NOT NULL,	0 = No, 1 = Yes, 2 = Use default
[CSW_MacroRecordExists]	[int] NOT NULL,	0 = No, 1 = Yes, 2 = Use default
[CSW_MacroStopExists]	[int] NOT NULL,	0 = No, 1 = Yes, 2 = Use default
[CSW_MacroPauseExists]	[int] NOT NULL,	0 = No, 1 = Yes, 2 = Use default
[CSW_MacroRestartExists]	[int] NOT NULL,	0 = No, 1 = Yes, 2 = Use default
[CSW_TourExists]	[int] NOT NULL,	0 = No, 1 = Yes, 2 = Use default Number configured in database
[CSW_TourMov]	[int] NOT NULL,	Number created in namespace, -1 = Use default
[CSW_TourMax] [CSW TourPlayExists]	[int] NOT NULL,	0 = No, 1 = Yes, 2 = Use default
[CSW_TourRecordExists]	[int] NOT NULL, [int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default 0 = No, 1 = Yes, 2 = Use default
[CSW_TourStopExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default 0 = No, 1 = Yes, 2 = Use default
[CSW TourPauseExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW TourRestartExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW_TourForwardExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW TourBackwardExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW TourStepForwardExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW_TourStepBackwardExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW_TourCameraForwardExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW TourCameraBackwardExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW MonitorCount]	[int] NOT NULL,	Number configured in database
[CSW MonitorMax]	[int] NOT NULL,	Number created in namespace, -1 = Use default
[CSW SequenceExists]	[int] NOT NULL,	$0 = \text{No}$ , $1 = \text{Yes}$ , $2 = \text{Use default}$
[CSW_SequenceMax]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW SequencePlayExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW_SequenceRecordExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW SequenceStopExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW SequencePauseExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW SequenceRestartExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW_SequenceStepForwardExists]	[int] NOT NULL,	$-0 = N_0$ , $1 = Y_0$ , $2 = U_0$ default
[CSW SequenceStepBackwardExists]	[int] NOT NULL,	$-0 = N_0, 1 = Y_{es}, 2 = U_{se}$ default
[CSW_SequenceCameraForwardExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW SequenceCameraBackwardExists]		$-0 = N_0$ , $1 = Y_{es}$ , $2 = U_{se}$ default
[CSW CameraCount]	[int] NOT NULL,	Number configured in database
[CSW CameraMax]	[int] NOT NULL,	Number created in namespace, -1 = Use default
[CSW_PresetExists]	[int] NOT NULL,	$-0 = N_0$ , $1 = Y_0$ , $2 = U_0$ default
[CSW PresetMax]	[int] NOT NULL,	Number created in namespace, -1 = Use default
[CSW PresetPlayExists]	[int] NOT NULL,	-0 = No, 1 = Yes, 2 = Use default
[CSW PresetRecordExists]	[int] NOT NULL,	$-0 = N_0$ , $1 = Y_0$ , $2 = U_0$ default
[CSW_PresetStopExists]	[int] NOT NULL,	$-0 = N_0$ , $1 = Y_{es}$ , $2 = U_{se}$ default
[CSW_PatternExists]	[int] NOT NULL,	$-0 = N_0$ , $1 = Y_{es}$ , $2 = U_{se}$ default

```
[CSW PatternMax]
                                       [int] NOT NULL,
                                                                             -- Number created in namespace, -1 = Use default
 [CSW PatternPlayExists]
                                       [int] NOT NULL,
                                                                             -- 0 = No, 1 = Yes, 2 = Use default
 [CSW_PatternRecordExists]
                                       [int] NOT NULL,
                                                                             -- 0 = No, 1 = Yes, 2 = Use default
 [CSW PatternStopExists]
                                       [int] NOT NULL,
                                                                             -- 0 = No, 1 = Yes, 2 = Use default
  [CSW_PatternPauseExists]
                                       [int] NOT NULL,
                                                                             -- 0 = No, 1 = Yes, 2 = Use default
 [CSW_PatternRestartExists]
                                       [int] NOT NULL,
                                                                             -- 0 = No, 1 = Yes, 2 = Use default
 [CSW PatternStepForwardExists]
                                      [int] NOT NULL,
                                                                             -0 = No, 1 = Yes, 2 = Use default
 [CSW PatternStepBackwardExists]
                                                                             -0 = N_0, 1 = Y_{es}, 2 = U_{se} default
                                      [int] NOT NULL,
                                                                             -0 = No. 1 = Yes. 2 = Use default
 [CSW CameraAuxiliarvExists]
                                      [int] NOT NULL,
 [CSW CameraAuxiliaryMax]
                                      [int] NOT NULL,
                                                                             -- Number created in namespace, -1 = Use default
 [CSW_CameraAuxiliaryPlayExists]
                                       [int] NOT NULL,
                                                                             -- 0 = No, 1 = Yes, 2 = Use default
                                                                             -- 0 = No, 1 = Yes, 2 = Use default
 [CSW_CameraAuxiliaryStopExists]
                                       [int] NOT NULL,
                                                                             -- TimeOut time for communication with matrix
 [CSW_TimeOut]
                                       [int] not NULL,
                                      CHAR(32) NOT NULL.
                                                                             -- Site Name
 site
 CSW guid
                                       uniqueidentifier NOT NULL,
                                                                             -- Global unique record identifier
 CSW checksum
                                      INTEGER NOT NULL,
                                                                             -- Record checksum
 upd_guid
                                      uniqueidentifier NOT NULL,
                                                                             -- Guid for update operation
 upd mode
                                      SMALLINT NOT NULL,
                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                             -- Date / Time of the update
 upd timestamp
                                      DATETIME NOT NULL,
 upd checksum
                                      INTEGER NOT NULL,
                                                                             -- Checksum
                                      uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                                         newid() UNIQUE NOT NULL,
                                                                             -- Global unique record identifier
 CONSTRAINT [PK_CCTVSwitch_save] PRIMARY KEY CLUSTERED
 [CSW ID], upd mode desc, upd guid
) ON [PRIMARY], --
) ON [PRIMARY]
CREATE TABLE [dbo].[CCTVTour]
                          [int] IDENTITY NOT FOR REPLICATION NOT NULL,
 [CTO ID]
                                                                                             -- Unique ID of tour record
 [CTO_ParentID]
                          [int] NOT NULL,
                                                                                             -- ID of parent record
                          [char] (64) NOT NULL,
                                                                                             -- OPC name of tour
 [CTO_Name]
 [CTO ServerID]
                          [int] NOT NULL,
                                                                                             -- ID of server record
                          [int] NOT NULL CONSTRAINT [DF CCTVTour Exists] DEFAULT (1),
 [CTO Exists]
                                                                                             -0 = No, 1 = Yes, 2 = Use default
                          [char] (64) NOT NULL,
 [CTO_Description]
                                                                                             -- Description
 [CTO Partition]
                          [int] NOT NULL,
                                                                                             -- Partition ID to which this tour belongs
 [CTO Public]
                          [int] NOT NULL,
                                                                                             -1 = tour is public, 0 = tour is private
                          CHAR(32) NOT NULL,
                                                                                             -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 CTO guid
                                                                                             -- Global unique record identifier
                         INTEGER NOT NULL.
 CTO checksum
                                                                                             -- Record checksum
 CONSTRAINT [PK_CCTVTour] PRIMARY KEY CLUSTERED
 [CTO_ID]
 ) ON [PRIMARY],
 CONSTRAINT [FK_CCTVTour_CCTVServer] FOREIGN KEY
 [CTO_ServerID]
 ) REFERENCES [dbo].[CCTVServer] (
 [CSV_ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK CCTVTour CCTVSwitch] FOREIGN KEY
 [CTO_ParentID]
 ) REFERENCES [dbo].[CCTVSwitch] (
 [CSW ID]
 ) NOT FOR REPLICATION,
 CONSTRAINT [FK CCTVTour partition] FOREIGN KEY
 [CTO Partition]
 ) REFERENCES [dbo].[partition] (
 [part number]
```

```
)NOT FOR REPLICATION
) ON [PRIMARY]
```

## CREATE TABLE [CCTVTour\_save]

```
[CTO_ID]
                        [int] NOT NULL,
 [CTO ParentID]
                        [int] NOT NULL,
 [CTO Name]
                        [char] (64) NOT NULL,
 [CTO ServerID]
                        [int] NOT NULL,
 [CTO Exists]
                        [int] NOT NULL,
                        [char] (64) NOT NULL,
 [CTO_Description]
 [CTO_Partition]
                        [int] NOT NULL,
                        [int] NOT NULL,
 [CTO_Public]
 site
                        CHAR(32) NOT NULL.
 CTO_guid
                        uniqueidentifier NOT NULL,
 CTO checksum
                        INTEGER NOT NULL,
 upd_guid
                        uniqueidentifier NOT NULL,
 upd mode
                        SMALLINT NOT NULL,
 upd timestamp
                        DATETIME NOT NULL,
 upd checksum
                        INTEGER NOT NULL,
                        uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                          newid() UNIQUE NOT NULL,
 CONSTRAINT [PK_CCTVTour_save] PRIMARY KEY CLUSTERED
 [CTO ID], upd mode desc, upd guid
) ON [PRIMARY],
) ON [PRIMARY]
```

- -- Unique ID of tour record -- ID of parent record -- OPC name of tour -- ID of server record
- -- 0 = No, 1 = Yes, 2 = Use default
- -- Description
- -- Partition ID to which this tour belongs -1 = tour is public, 0 = tour is private
- -- Site Name
- -- Global unique record identifier
- -- Record checksum
- -- Guid for update operation
- -- Update mode (0 delete, 1 edit, 2 new)
- -- Date / Time of the update
- -- Checksum
- -- Global unique record identifier

## **CREATE TABLE** company

INTEGER REFERENCES partition(part\_number) company\_partition NOT FOR REPLICATION, company public SMALLINT company id INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, CHAR(32) NOT NULL, company name company\_autoadded SMALLINT NOT NULL, CHAR(32) NOT NULL, site

uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, company\_guid

company checksum INTEGER NOT NULL,

PRIMARY KEY (company\_partition, company\_id)

CREATE INDEX company name ON company (company name);

- -- partition ID to which this company belongs -1 = company is public, 0 = company is private
- -- unique database ID
- -- name of company
- -- company was automatically added by Visitor Management
- -- Site Name
- -- Global unique record identifier
- -- Record checksum

#### **CREATE TABLE** company\_save

INTEGER NOT NULL, company\_partition company\_public SMALLINT, company\_id INTEGER NOT NULL, company\_name CHAR(32) NOT NULL, company\_autoadded SMALLINT NOT NULL. CHAR(32) NOT NULL, site uniqueidentifier NOT NULL, company\_guid company\_checksum INTEGER NOT NULL, upd\_guid uniqueidentifier NOT NULL, upd mode SMALLINT NOT NULL, upd timestamp DATETIME NOT NULL, upd\_checksum INTEGER NOT NULL,

uniqueidentifier ROWGUIDCOL DEFAULT upd\_rowguid

- -- partition ID to which this company belongs
- -1 = company is public, 0 = company is private
- -- unique database ID -- name of company
- -- company was automatically added by Visitor Management
- -- Site Name
- -- Global unique record identifier
- -- Record checksum
- -- Guid for update operation
- -- Update mode (0 delete, 1 edit, 2 new)
- -- Date / Time of the update
- -- Checksum

```
newid() UNIQUE NOT NULL,
                                                                            -- Global unique record identifier
 PRIMARY KEY
                         ( company_partition, company_id, upd_mode desc, upd_guid )
);
CREATE TABLE connections
 conn partition
                              INTEGER REFERENCES partition(part_number)
                                 NOT FOR REPLICATION,
                                                                                    -- partition ID to which this connection belongs
                                                                                    -- 1 = connection is public, 0 = counter is private
                              SMALLINT NOT NULL.
 conn_public
                              INTEGER IDENTITY NOT FOR
 conn_id
                                 REPLICATION UNIQUE,
                                                                                    -- unique database ID
 conn_name
                              VARCHAR(64) NOT NULL,
                                                                                    -- connection name
 conn_rras_name
                              VARCHAR(64) NULL,
                                                                                    -- rras's connection name
                              CHAR(16) NOT NULL,
                                                                                    -- starting IP address
 conn_ip
                              CHAR(16) NOT NULL.
                                                                                    -- IP address mask
 conn_ip_mask
                              VARCHAR(128) NULL,
                                                                                    -- Phone number
 conn_phone
 conn_remote_login_name
                              VARCHAR(64) NULL,
                                                                                    -- Login name at panel end
 conn_remote_password
                              VARCHAR(64) NULL,
                                                                                    -- Password at panel end
 conn local login name
                              VARCHAR(64) NULL,
                                                                                    -- Login name at host end
                              VARCHAR(64) NULL,
                                                                                    -- Login name at host end
 conn rras local login name
 conn local password
                              VARCHAR(64) NULL,
                                                                                    -- Password at host end
                              SMALLINT NOT NULL,
                                                                                    -- 1 = Use an RRAS connection, 0 = Use 3rd party HW
 conn_uses_rras
 conn_has_rras
                              SMALLINT NOT NULL,
                                                                                    -- 1 = RRAS connection already created, 0 = not yet
 conn timeout
                              INTEGER NOT NULL,
                                                                                    -- Seconds to wait for redial
 conn no of panel
                              INTEGER,
                                                                                    -- Number of panels could pass the mask
                              CHAR(32) NOT NULL,
                                                                                    -- Site Name
                              uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 conn_guid
                                                                                    -- Global unique record identifier
                              INTEGER NOT NULL,
                                                                                    -- Record checksum
 conn checksum
 PRIMARY KEY
                              (conn partition, conn id)
  CREATE INDEX
                              conn_public ON connections ( conn_public );
 CREATE UNIQUE INDEX
                              conn site name ON connections (site, conn name);
CREATE TABLE connections save
 conn partition
                              INTEGER NOT NULL.
                                                                                 -- partition ID to which this connection belongs
                              SMALLINT NOT NULL,
 conn_public
                                                                                 -1 = connection is public, 0 = counter is private
                              INTEGER NOT NULL,
 conn id
                                                                                 -- unique database ID
 conn_name
                              VARCHAR(64) NOT NULL,
                                                                                 -- connection name
 conn rras name
                              VARCHAR(64) NULL,
                                                                                 -- rras's connection name
                              CHAR(16) NOT NULL,
                                                                                 -- starting IP address
 conn ip
                                                                                 -- IP address mask
 conn_ip_mask
                              CHAR(16) NOT NULL,
 conn_phone
                              VARCHAR(128) NULL,
                                                                                 -- Phone number
                              VARCHAR(64) NULL,
                                                                                 -- Login name at panel end
 conn_remote_login_name
                              VARCHAR(64) NULL,
                                                                                 -- Password at panel end
 conn_remote_password
 conn_local_login_name
                              VARCHAR(64) NULL,
                                                                                 -- Login name at host end
 conn rras local login name
                              VARCHAR(64) NULL,
                                                                                 -- Login name at host end
 conn local password
                              VARCHAR(64) NULL,
                                                                                 -- Password at host end
 conn_uses_rras
                              SMALLINT NOT NULL,
                                                                                 -- 1 = Use an RRAS connection, 0 = Use 3rd party HW
                              SMALLINT NOT NULL,
                                                                                 -- 1 = RRAS connection already created, 0 = not yet
 conn has rras
 conn_timeout
                              INTEGER NOT NULL,
                                                                                 -- Seconds to wait for redial
 conn_no_of_panel
                              INTEGER,
                                                                                 -- Number of panels could pass the mask
                              CHAR(32) NOT NULL,
                                                                                 -- Site Name
 site
                              uniqueidentifier NOT NULL,
 conn guid
                                                                                 -- Global unique record identifier
 conn_checksum
                              INTEGER NOT NULL,
                                                                                 -- Record checksum
                              uniqueidentifier NOT NULL,
 upd_guid
                                                                                 -- Guid for update operation
                              SMALLINT NOT NULL,
 upd_mode
                                                                                 -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                              DATETIME NOT NULL,
                                                                                 -- Date / Time of the update
 upd checksum
                              INTEGER NOT NULL,
                                                                                 -- Checksum
                              uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd rowguid
                                 UNIQUE NOT NULL,
                                                                                 -- Global unique record identifier
 PRIMARY KEY
                              (conn_partition, conn_id, upd_mode desc, upd_guid)
```

);

### **CREATE TABLE** counter

INTEGER REFERENCES partition(part number) ctr partition

NOT FOR REPLICATION,

SMALLINT, ctr\_public INTEGER IDENTITY NOT FOR REPLICATION UNIQUE.

ctr\_id ctr name CHAR(32) NOT NULL,

ctr\_value INTEGER,

site CHAR(32) NOT NULL,

uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, ctr guid

ctr checksum INTEGER NOT NULL, PRIMARY KEY (ctr partition, ctr id)

);

CREATE INDEX ctr\_public ON counter ( ctr\_public ); ctr\_site\_name ON counter (site, ctr\_name); CREATE UNIQUE INDEX

-- partition ID to which this counter belongs -- 1 = counter is public, 0 = counter is private

-- Unique database ID of Cotag counter-- the counter ID

-- unique database ID -- counter name -- current counter value

-- Site Name

-- Global unique record identifier

-- Record checksum

-- the counter name

-- the counter status

-- the force value

-- open to punlic

-- Record checksum

-- Panel ID

-- Site Name

-- report when change

-- the default counter value

-- the maximum counter value

-- the time stamp for control

-- query string enter by user

-- ID of partition for this counter

-- Global unique record identifier

-- the physical counter number

-- the current value for counter control

# CREATE TABLE counter\_p900

INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, cp\_id

varchar(32), cp\_name

SMALLINT NOT NULL. cp\_number SMALLINT NOT NULL, cp status cp\_report\_change SMALLINT NOT NULL,

INTEGER, cp\_current\_value INTEGER, cp\_default\_value cp\_max\_ value INTEGER. cp\_force\_value INTEGER, cp update time DATETIME, cp\_query\_string CHAR(64),

cp\_partition INTEGER REFERENCES partition(part\_number)

NOT FOR REPLICATION,

SMALLINT NOT NULL, cp public

INTEGER NOT NULL REFERENCES panel(p\_panel\_id) cp\_panel\_id

> NOT FOR REPLICATION, CHAR(32) NOT NULL,

cp\_guid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,

cp checksum INTEGER NOT NULL, PRIMARY KEY (cp\_partition, cp\_id)

);

site

CREATE INDEX cp\_public ON counter\_p900(cp\_public);

CREATE UNIQUE INDEX cp number ON counter p900 (cp number, cp panel id); CREATE UNIQUE INDEX cp\_site\_name ON counter\_p900 (site, cp\_name);

## CREATE TABLE counter\_p900\_save

INTEGER, cp\_id varchar(32), cp name SMALLINT NOT NULL, cp\_number SMALLINT NOT NULL, cp\_status SMALLINT NOT NULL, cp\_report\_change cp current value INTEGER, cp\_default\_value INTEGER, cp\_max\_value INTEGER, INTEGER. cp\_force\_value DATETIME, cp\_update\_time

cp\_query\_string CHAR(64), cp\_partition INTEGER NOT NULL, SMALLINT NOT NULL, cp\_public INTEGER NOT NULL, cp\_panel\_id CHAR(32) NOT NULL. cp\_guid uniqueidentifier NOT NULL, cp\_checksum INTEGER NOT NULL,

-- Unique database ID of Cotag counter-- the counter ID

-- the counter name

-- the physical counter number -- the counter status -- report when change

-- the current value for counter control

-- the default counter value -- the maximum counter value

-- the force value

-- the time stamp for control -- query string enter by user -- ID of partition for this counter

-- open to punlic -- Panel ID -- Site Name

-- Global unique record identifier

-- Record checksum

```
upd guid
                          uniqueidentifier NOT NULL,
                                                                             -- Guid for update operation
 upd mode
                          SMALLINT NOT NULL,
                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                          DATETIME NOT NULL,
                                                                             -- Date / Time of the update
                          INTEGER NOT NULL,
 upd checksum
                                                                             -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                             -- Global unique record identifier
 PRIMARY KEY
                          (cp_partition, cp_id, upd_mode desc, upd_guid)
CREATE TABLE counter_save
 ctr_partition
                          INTEGER not null,
                                                                             -- partition ID to which this counter belongs
 ctr_public
                          SMALLINT,
                                                                             -1 = counter is public, 0 = counter is private
 ctr id
                          INTEGER NOT NULL,
                                                                             -- unique database ID
                          CHAR(32) NOT NULL.
 ctr name
                                                                             -- counter name
 ctr_value
                          INTEGER,
                                                                             -- current counter value
                         CHAR(32) NOT NULL,
 site
                                                                             -- Site Name
                                                                             -- Global unique record identifier
 ctr guid
                         uniqueidentifier NOT NULL,
 ctr checksum
                          INTEGER NOT NULL,
                                                                             -- Record checksum
 upd guid
                          uniqueidentifier NOT NULL,
                                                                             -- Guid for update operation
 upd mode
                          SMALLINT NOT NULL,
                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                             -- Date / Time of the update
 upd_timestamp
                          DATETIME NOT NULL,
 upd_checksum
                          INTEGER NOT NULL,
                                                                             -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                             -- Global unique record identifier
 PRIMARY KEY
                          (ctr partition, ctr id, upd mode desc, upd guid)
);
CREATE TABLE dataimport fields
 dif id
                          INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY,
                                                                                             -- unique database ID
 dif_interface
                          CHAR(32) NOT NULL,
                                                                                             -- interface name ref by p2000
 dif_db
                          CHAR(32) NOT NULL,
                                                                                             -- database
 dif table
                          CHAR(128) NOT NULL,
                                                                                             -- database table name
 dif field
                          CHAR(64) NOT NULL,
                                                                                             -- table field name
 site
                          CHAR(32) NOT NULL,
                                                                                             -- Site Name
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                             -- Global unique record identifier
 dif guid
 dif_checksum
                          INTEGER NOT NULL,
                                                                                             -- Record checksum
 CREATE INDEX
                          dif interface ON dataimport fields ( dif interface );
CREATE TABLE dataimport fields save
 dif id
                          INTEGER NOT NULL,
                                                                             -- unique database ID
 dif interface
                          CHAR(32) NOT NULL,
                                                                             -- interface name ref by p2000
 dif db
                          CHAR(32) NOT NULL,
                                                                             -- database
 dif table
                          CHAR(128) NOT NULL,
                                                                             -- database table name
 dif field
                          CHAR(64) NOT NULL,
                                                                             -- table field name
 site
                          CHAR(32) NOT NULL,
                                                                             -- Site Name
 dif guid
                          uniqueidentifier NOT NULL,
                                                                             -- Global unique record identifier
 dif checksum
                          INTEGER NOT NULL,
                                                                             -- Record checksum
 upd_guid
                          uniqueidentifier NOT NULL,
                                                                             -- Guid for update operation
 upd mode
                          SMALLINT NOT NULL.
                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                             -- Date / Time of the update
 upd_timestamp
                          DATETIME NOT NULL,
 upd checksum
                          INTEGER NOT NULL,
                                                                             -- Checksum
 upd_rowguid
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
                            UNIQUE NOT NULL,
                                                                             -- Global unique record identifier
 PRIMARY KEY
                          (dif_id, upd_mode desc, upd_guid)
);
```

## CREATE TABLE dataimport\_mapping

INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY, dim id dim interface CHAR(32) NOT NULL, dim\_sourcedb CHAR(32) NOT NULL, dim\_sourcetable CHAR(128) NOT NULL, dim sourcefield CHAR(64) NOT NULL, CHAR(32) NOT NULL, dim\_savedb dim savetable CHAR(128) NOT NULL, CHAR(64) NOT NULL. dim\_savefield site CHAR(32) NOT NULL,

uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, dim guid

dim\_checksum INTEGER NOT NULL,

CREATE INDEX dim interface ON dataimport mapping (dim interface);

- -- unique database ID
- -- interface name ref by p2000
- -- source db
- -- source db table name
- -- source db field
- -- db where source info will be saved
- -- destination db table name
- -- destination db field
- -- Site Name
- -- Global unique record identifier
- -- Record checksum

#### CREATE TABLE dataimport\_mapping\_save

INTEGER, dim id CHAR(32) NOT NULL. dim interface dim sourcedb CHAR(32) NOT NULL. dim sourcetable CHAR(128) NOT NULL, dim\_sourcefield CHAR(64) NOT NULL, dim\_savedb CHAR(32) NOT NULL, dim\_savetable CHAR(128) NOT NULL, CHAR(64) NOT NULL. dim\_savefield CHAR(32) NOT NULL, dim guid uniqueidentifier NOT NULL, INTEGER NOT NULL, dim\_checksum upd\_guid uniqueidentifier NOT NULL, SMALLINT NOT NULL, upd mode upd timestamp DATETIME NOT NULL, INTEGER NOT NULL, upd\_checksum

uniqueidentifier ROWGUIDCOL DEFAULT newid() upd\_rowguid

UNIQUE NOT NULL,

PRIMARY KEY (dim id, upd mode desc, upd guid) -- unique database ID

-- interface name ref by p2000

-- source db

-- source db table name -- source db field

- -- db where source info will be saved
- -- destination db table name -- destination db field
- -- Site Name
- -- Global unique record identifier
- -- Record checksum -- Guid for update operation
- -- Update mode (0 delete, 1 edit, 2 new)
- -- Date / Time of the update
- -- Checksum
- -- Global unique record identifier

## **CREATE TABLE** dbversion

major INTEGER NOT NULL, -- database major version minor INTEGER NOT NULL, -- database minor version release INTEGER NOT NULL, -- database release number build INTEGER NOT NULL, -- database build number installdate DATETIME NOT NULL -- date when this build was installed

);

);

#### CREATE TABLE dept

CREATE INDEX

dept\_partition INTEGER REFERENCES partition(part\_number) NOT FOR REPLICATION, dept public SMALLINT, INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, dept\_id dept name CHAR(32) NOT NULL, CHAR(32) NOT NULL, site uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, dept\_guid dept checksum INTEGER NOT NULL, PRIMARY KEY ( dept\_partition, dept\_id )

dept name ON dept (dept name);

- -- partition ID to which this department belongs
- -- 1 = department is public, 0 = department is private
- -- unique database ID -- name of department
- -- Site Name
- -- Global unique record identifier
- -- Record checksum

#### CREATE TABLE dept\_save dept partition INTEGER NOT NULL, -- partition ID to which this department belongs dept\_public SMALLINT, -1 = department is public, 0 = department is private INTEGER NOT NULL, -- unique database ID dept id dept\_name CHAR(32) NOT NULL, -- name of department CHAR(32) NOT NULL, -- Site Name site dept\_guid uniqueidentifier NOT NULL, -- Global unique record identifier dept checksum INTEGER NOT NULL, -- Record checksum uniqueidentifier NOT NULL, upd guid -- Guid for update operation SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) upd mode upd timestamp DATETIME NOT NULL, -- Date / Time of the update upd\_checksum INTEGER NOT NULL, -- Checksum uniqueidentifier ROWGUIDCOL DEFAULT upd\_rowguid newid() UNIQUE NOT NULL, -- Global unique record identifier PRIMARY KEY ( dept partition, dept id, upd mode desc, upd guid ) ); CREATE TABLE dnld\_req\_rule dr type smallint NOT NULL. -- request type datetime NULL, -- the entry time of the request dr entry time dr\_scheduled\_time datetime NULL, -- the entry time of the request dr\_workstation varchar (64) NULL, -- User name to make the request dr user name varchar (32) NULL, -- User name to make the request smallint NOT NULL. -- the current status, Waiting = 0, Queued = 1, Processing = 3 dr status dr lparam1 int NULL, -- 1st data identifier Int dr\_szparam1 varchar (64) NULL, -- 1st data identifier String -- 2nd data identifier Int dr\_lparam2 int NULL, dr\_szparam2 varchar (64) NULL, -- 2st data identifier String CHAR(32) NOT NULL, site -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, dr guid -- Global unique record identifier PRIMARY KEY NONCLUSTERED (dr guid) dr type ON dnld\_req\_rule (dr\_type); CREATE INDEX CREATE INDEX dnld req rule site ON dnld req rule(site); CREATE INDEX dnld req rule scheduled ON dnld req rule(dr scheduled time); CREATE TABLE dnld\_req\_timed dr type smallint NOT NULL, -- request type dr entry time datetime NULL, -- the entry time of the request dr scheduled time datetime NULL, -- the entry time of the request dr workstation varchar (64) NULL, -- User name to make the request dr user name varchar (32) NULL, -- User name to make the request dr\_status smallint NOT NULL, -- the current status, Waiting = 0, Queued = 1, Processing = 3 dr lparam1 int NULL, -- 1st data identifier dr szparam1 varchar (64) NULL, -- 1st data identifier String dr lparam2 int NULL, -- 2nd data identifier dr\_szparam2 varchar (64) NULL, -- 2st data identifier String site CHAR(32) NOT NULL, -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, dr guid -- Global unique record identifier PRIMARY KEY NONCLUSTERED (dr guid) CREATE INDEX dr\_type ON dnld\_req\_timed (dr\_type); CREATE INDEX dnld req timed site ON dnld req timed(site);

dnld\_req\_timed\_scheduled ON dnld\_req\_rule(dr\_scheduled\_time);

CREATE INDEX

## CREATE TABLE drycontact\_status

INTEGER PRIMARY KEY REFERENCES AVDryContact(ADC ID) destat id NOT FOR REPLICATION, -- dry contact ID to which this status belongs SMALLINT NOT NULL, destat status -- current state for dry contact DATETIME NOT NULL, -- time of last current dry contact dcstat\_timestamp CHAR(32) NOT NULL, site -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, destat guid -- Global unique record identifier destat checksum INTEGER NOT NULL, -- Record checksum

### **CREATE TABLE** elevator

el partition INTEGER REFERENCES partition(part\_number) NOT FOR REPLICATION, -- partition ID to which this elevator/cabinet belongs to -1 = public, 0 = privateel public SMALLINT. INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, -- unique elevator/cabinet ID el elevator id el\_elevator\_name CHAR(32) NOT NULL, -- elevator/cabinet name el type SMALLINT, -- item type, 1 = elevator, 2 = cabinet el\_panel\_id INTEGER REFERENCES panel(p\_panel\_id) NOT FOR REPLICATION. -- panel ID to which this elevator/cabinet belongs to -- 1 = high level I/F, 0 = low level I/Fel if level SMALLINT, el\_high\_protocol INTEGER, -- TBD el\_timed\_access --0 =no timed access, 1 =timed access SMALLINT, el\_floor\_track SMALLINT, -- 0 = no floor/door tracking, 1 = floor/door tracking el access time INTEGER. -- access time (sec's) el cab reader INTEGER REFERENCES terminal (tp term id) NOT FOR REPLICATION, -- reader ID INTEGER NULL REFERENCES input(ip\_point\_id) el\_fireman\_sw NOT FOR REPLICATION, -- fireman/emergency switch input el service sw INTEGER NULL REFERENCES input(ip point id) NOT FOR REPLICATION, -- service switch input INTEGER, el\_suppress\_time -- door in alarm supp time el\_alarm\_flag SMALLINT, -- door input alarm flags, -- 0 = no input alarms, 1 = input alarm enabled el query string char(64) NULL, el track open SMALLINT, -- 1 = track on input open -- 1 = track on input transition el track transition SMALLINT. el\_HLEI\_user\_var SMALLINT NOT NULL, -- for KONE, elevator address (1 to 8), Kone Ip Elevator addr or Level CHAR(32) NOT NULL, -- Site Name site el guid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, Global unique record identifier el checksum INTEGER NOT NULL, -- Record checksum SMALLINT NOT NULL, el d620 ecg mode el\_device\_address SMALLINT NOT NULL, -- for Otis Compass, address of (MRE \* 256) + DEC, Kone Ip Group Address el\_ada\_special\_flag SMALLINT NOT NULL, -0 = none 1 - 3 = special access flags a - cel\_vip\_special\_flag SMALLINT NOT NULL, -- 0 = none 1 - 3 = special access flags a - c-- 1 = allow pin code entry on otis compass el pin allowed SMALLINT NOT NULL, el sub type SMALLINT NOT NULL, -- 0 =not used, 1 =Kone IP Dop or 2 =Kone IP Cop PRIMARY KEY (el\_partition, el\_elevator\_id) CREATE INDEX el\_public ON elevator (el\_public); CREATE INDEX el type ON elevator (el type); CREATE INDEX el panel id ON elevator (el panel id); CREATE UNIQUE INDEX el\_elevator\_name\_type ON elevator (site, el\_elevator\_name, el\_type);

#### **CREATE TABLE** elevatordetails

ed\_elevator\_id INTEGER REFERENCES elevator (el\_elevator\_id) NOT FOR REPLICATION, -- elevator/cabinet ID -- floor/door number for this elevator/cabinet

```
ed output
                           INTEGER NULL REFERENCES output(op output id) NOT FOR REPLICATION,
                                                                                                           -- floor/door call enable
 ed input
                           INTEGER NULL REFERENCES input(ip_point_id) NOT FOR REPLICATION,
                                                                                                           -- floor/door call monitor
                           INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,
 ed timezone
                                                                                                           -- public access timezone id
                           CHAR(32) NOT NULL,
                                                                                                           -- Site Name
 site
                           uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                                           -- Global unique record identifier
 ed_guid
 ed\_checksum
                           INTEGER NOT NULL,
                                                                                                           -- Record checksum
 ed behavior
                          SMALLINT NOT NULL,
                                                                                                           -- Added for Kone Ip
 PRIMARY KEY
                          (ed_elevator_id, ed_floor_number)
CREATE TABLE elevatordetails_save
 ed elevator id
                           INTEGER.
                                                                                             -- elevator/cabinet ID
 ed floor number
                           SMALLINT,
                                                                                             -- floor/door number for this elevator/cabinet
                           INTEGER NULL,
 ed output
                                                                                             -- floor/door call enable
 ed_input
                           INTEGER NULL,
                                                                                             -- floor/door call monitor
                                                                                             -- public access timezone id
 ed timezone
                          INTEGER NULL,
                          CHAR(32) NOT NULL,
                                                                                             -- Site Name
 site
 ed guid
                           uniqueidentifier NOT NULL,
                                                                                             -- Global unique record identifier
 ed checksum
                           INTEGER NOT NULL,
                                                                                             -- Record checksum
 upd guid
                           uniqueidentifier NOT NULL,
                                                                                             -- Guid for update operation
 upd_mode
                           SMALLINT NOT NULL,
                                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                           DATETIME NOT NULL,
                                                                                             -- Date / Time of the update
                           INTEGER NOT NULL,
 upd checksum
                                                                                             -- Checksum
 upd rowguid
                           uniqueidentifier ROWGUIDCOL DEFAULT newid()
                             UNIQUE NOT NULL,
                                                                                             -- Global unique record identifier
 ed_behavior
                           SMALLINT,
                                                                                             -- Added for Kone Ip
 PRIMARY KEY
                          (ed_elevator_id, ed_floor_number, upd_mode desc, upd_guid)
CREATE TABLE elevator_save
                           INTEGER NOT NULL,
                                                                                      -- partition ID to which this elevator/cabinet belongs to
 el_partition
 el\_public
                           SMALLINT.
                                                                                      -1 = \text{public}, 0 = \text{private}
 el elevator id
                           INTEGER NOT NULL,
                                                                                      -- unique elevator/cabinet ID
 el elevator name
                          CHAR(32) NOT NULL,
                                                                                      -- elevator/cabinet name
                                                                                      -- item type, 1 = elevator, 2 = cabinet
 el type
                           SMALLINT.
 el_panel_id
                           INTEGER,
                                                                                      -- panel ID to which this elevator/cabinet belongs to
 el if level
                          SMALLINT,
                                                                                      -1 = high level I/F, 0 = low level I/F
 el high protocol
                           INTEGER,
 el_timed_access
                           SMALLINT,
                                                                                      --0 = no timed access, 1 = timed access
                                                                                      -- 0 = \text{no floor/door tracking}, 1 = \text{floor/door tracking}
 el floor track
                           SMALLINT,
 el access time
                           INTEGER,
                                                                                      -- access time (sec's)
 el_cab_reader
                           INTEGER,
                                                                                      -- reader ID
 el fireman sw
                           INTEGER NULL,
                                                                                      -- fireman/emergency switch input
 el service sw
                           INTEGER NULL,
                                                                                      -- service switch input
 el_suppress_time
                          INTEGER,
                                                                                      -- door in alarm supp time
 el alarm flag
                          SMALLINT,
                                                                                      -- door input alarm flags,
                                                                                      --0 = no input alarms, 1 = input alarm enabled
 el_query_string
                           char(64) NULL,
 el_track_open
                                                                                      -- 1 = track on input open
                           SMALLINT,
 el_track_transition
                           SMALLINT.
                                                                                      -- 1 = track on input transition
 el HLEI user var
                           SMALLINT NOT NULL,
                                                                                      -- for KONE, elevator address (1 to 8)
                           CHAR(32) NOT NULL,
 site
                                                                                      -- Site Name
 el_guid
                           uniqueidentifier NOT NULL,
                                                                                      -- Global unique record identifier
 el\_checksum
                           INTEGER NOT NULL,
                                                                                      -- Record checksum
 upd guid
                           uniqueidentifier NOT NULL,
                                                                                      -- Guid for update operation
                                                                                      -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
                           SMALLINT NOT NULL.
 upd timestamp
                           DATETIME NOT NULL,
                                                                                      -- Date / Time of the update
```

-- Checksum

-- Global unique record identifier

INTEGER NOT NULL,

UNIQUE NOT NULL,

uniqueidentifier ROWGUIDCOL DEFAULT newid()

upd\_checksum

upd\_rowguid

```
el d620 ecg mode
                          SMALLINT,
 el_device_address
                          SMALLINT,
                                                                                   -- for Otis Compass, address of (MRE * 256) + DEC
 el_ada_special_flag
                          SMALLINT.
                                                                                   -- 0 = none 1 - 3 = special access flags a - c
 el_vip_special_flag
                          SMALLINT,
                                                                                   --0 = none 1 - 3 = special access flags a - c
 el_pin_allowed
                          SMALLINT,
                                                                                   -- 1 = allow pin code entry on otis compass
 el_sub_type
                          SMALLINT,
                                                                                   -- 0 = not used, 1 = Kone IP Dop or 2 = Kone IP Cop
 PRIMARY KEY
                          (el_partition, el_elevator_id, upd_mode desc, upd_guid)
CREATE TABLE emailqueue
 email id
                          INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                        -- unique database ID
 email to
                          VARCHAR(512) NOT NULL,
 email cc
                          VARCHAR(512) NULL,
 email subject
                          VARCHAR(512) NOT NULL,
 email_body
                          TEXT NOT NULL,
                          INT NOT NULL DEFAULT 0,
 email_retry_count
 email send time
                          DATETIME NULL,
 PRIMARY KEY
                         (email id)
);
CREATE TABLE enable_code
                          INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY, --unique db id
 ec_id
                          INTEGER REFERENCES panel (p_panel_id)
 ec_panel_id
                            NOT FOR REPLICATION,
                                                                                        -- ID of panel for this enable code
 ec_code_number1
                          SMALLINT,
                                                                                        --enable code # 1 (0=none, 1=Ext timed override)
 ec_cn1_digit
                          INTEGER,
                                                                                        --enable code digit 1
 ec code number2
                          SMALLINT,
                                                                                        --enable code # 2 (0=none, 2=ext shunt time)
 ec cn2 digit
                          INTEGER,
                                                                                        --enable code digit 2
 ec code number3
                                                                                        --enable code # 3 (0=none, 3=air crew pin)
                          SMALLINT,
 ec_cn3_digit
                          INTEGER,
                                                                                        --enable code digit 3
                                                                                        --enable code # 4 (0=none, 4=pin+1)
 ec_code_number4
                          SMALLINT,
 ec_cn4_digit
                          INTEGER,
                                                                                        --enable code digit 4
 site
                          CHAR(32) NOT NULL,
                                                                                        -- Site Name
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 ec guid
                                                                                        -- Global unique record identifier
                                                                                        -- Record checksum
 ec checksum
                          INTEGER NOT NULL,
);
CREATE TABLE enable_code_save
 ec id
                          INTEGER NOT NULL,
                                                                                     --unique db id
                                                                                     -- ID of panel for this enable code
 ec panel id
                          INTEGER,
                          SMALLINT,
                                                                                     --enable code # 1 (0=none, 1=Ext timed override)
 ec_code_number1
 ec_cn1_digit
                          INTEGER,
                                                                                     --enable code digit 1
 ec code number2
                          SMALLINT,
                                                                                     --enable code # 2 (0=none, 2=ext shunt time)
 ec_cn2_digit
                          INTEGER,
                                                                                     -- enable code digit 2
 ec code number3
                                                                                     --enable code # 3 (0=none, 3=air crew pin)
                          SMALLINT,
 ec cn3 digit
                          INTEGER,
                                                                                     --enable code digit 3
                                                                                     --enable code # 4 (0=none, 4=pin+1)
 ec_code_number4
                          SMALLINT,
 ec cn4 digit
                                                                                     --enable code digit 4
                          INTEGER,
 site
                          CHAR(32) NOT NULL,
                                                                                     -- Site Name
                                                                                     -- Global unique record identifier
 ec_guid
                          uniqueidentifier NOT NULL,
 ec_checksum
                          INTEGER NOT NULL,
                                                                                     -- Record checksum
 upd guid
                          uniqueidentifier NOT NULL,
                                                                                     -- Guid for update operation
 upd_mode
                          SMALLINT NOT NULL,
                                                                                     -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                          DATETIME NOT NULL,
                                                                                     -- Date / Time of the update
 upd checksum
                          INTEGER NOT NULL,
                                                                                     -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                                     -- Global unique record identifier
 PRIMARY KEY
                          (ec_id, upd_mode desc, upd_guid)
);
```

#### CREATE TABLE enterprise\_parameters char(32) not null, -- Name of main site within enterprise enp name enp\_name\_alt char(32), -- Name of alternate publisher site within enterprise -- Site Name CHAR(32) NOT NULL, site uniqueidentifier ROWGUIDCOL PRIMARY KEY NOT NULL, -- Global unique record identifier enp\_guid INTEGER NOT NULL, -- Record Digital Signature enp\_checksum CREATE TABLE enterprise\_parameters\_save enp\_name char(32) not null, -- Name of main site within enterprise enp name alt char(32), -- Name of alternate publisher site within enterprise CHAR(32) NOT NULL, site -- Site Name uniqueidentifier NOT NULL, -- Global unique record identifier enp\_guid enp\_checksum INTEGER NOT NULL, -- Record Digital Signature -- Guid for update operation uniqueidentifier NOT NULL, upd\_guid upd\_mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) upd timestamp DATETIME NOT NULL, -- Date / Time of the update INTEGER NOT NULL. upd checksum -- Checksum upd rowguid uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier PRIMARY KEY (enp\_guid, upd\_mode desc, upd\_guid) ); **CREATE TABLE** ent site INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY, --unique db id ens\_id CHAR(32) UNIQUE NOT NULL, ens name -- Enterprise Site Name ens\_host\_name CHAR(32) NOT NULL, -- Enterprise Site DB Server Name ens host name alt CHAR(32). -- Alternate Enterprise Site DB Server Name SMALLINT NOT NULL, -- 0-No, 1-Yes. ens subscribe to all CHAR(32) NOT NULL, -- Site Name site uniqueidentifier UNIQUE ROWGUIDCOL NOT NULL, -- Global unique record identifier ens\_guid ens\_checksum INTEGER NOT NULL, -- Record checksum ); **CREATE TABLE** esp parameters uniqueidentifier ROWGUIDCOL PRIMARY KEY, --Global unique record identifier esp\_guid esp\_ens\_guid\_subscriber uniqueidentifier NOT NULL REFERENCES ent\_site(ens\_guid) NOT FOR REPLICATION, -- Guid of the subscriber's site name esp ens guid guid uniqueidentifier NOT NULL REFERENCES ent site(ens guid) NOT FOR REPLICATION, -- Guid of the enterprise site -- 1 if enabled, 0 if not enabled SMALLINT NOT NULL, esp\_enabled CHAR(32) NOT NULL. -- Site Name. site esp checksum INTEGER NOT NULL, -- Record checksum CREATE UNIQUE INDEX esp ens guid subscriber ON esp parameters (esp ens guid subscriber, esp ens guid guid); CREATE TABLE esp\_parameters\_save esp guid uniqueidentifier, --Global unique record identifier esp\_ens\_guid\_subscriber uniqueidentifier NOT NULL, -- Guid of the subscriber's site name esp\_ens\_guid\_guid uniqueidentifier NOT NULL, -- Guid of the enterprise site esp\_enabled SMALLINT NOT NULL, -- 1 if enabled, 0 if not enabled CHAR(32) NOT NULL, site -- Site Name, esp checksum INTEGER NOT NULL, -- Record checksum

upd guid

upd mode

uniqueidentifier NOT NULL,

SMALLINT NOT NULL,

-- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

```
upd timestamp
                          DATETIME NOT NULL,
                                                                                               -- Date / Time of the update
 upd checksum
                          INTEGER NOT NULL,
                                                                                               -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd rowguid
 PRIMARY KEY
                         (esp guid, upd mode desc, upd guid)
);
CREATE TABLE ent_site_save
                          INTEGER.
                                                                                            --unique db id
 ens_id
 ens_name
                          CHAR(32),
                                                                                            -- Enterprise Site Name
                          CHAR(32) NOT NULL,
                                                                                            -- Site Name
 site
 ens_host_name
                          CHAR(32) NOT NULL,
                                                                                            -- Enterprise Site DB Server Name
 ens_host_name_alt
                          CHAR(32),
                                                                                            -- Alternate Enterprise Site DB Server Name
                          SMALLINT NOT NULL,
 ens subscribe to all
                                                                                            -- 0-No, 1-Yes.
                          uniqueidentifier NOT NULL,
 ens guid
                                                                                            -- Global unique record identifier
 ens_checksum
                          INTEGER NOT NULL,
                                                                                            -- Record checksum
 upd_guid
                          uniqueidentifier NOT NULL,
                                                                                            -- Guid for update operation
                          SMALLINT NOT NULL,
                                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_mode
 upd timestamp
                          DATETIME NOT NULL,
                                                                                            -- Date / Time of the update
 upd checksum
                          INTEGER NOT NULL,
                                                                                            -- Checksum
 upd rowguid
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
                            UNIQUE NOT NULL,
                                                                                            -- Global unique record identifier
 PRIMARY KEY
                          (ens_id, upd_mode desc, upd_guid)
);
CREATE TABLE event
                                INTEGER REFERENCES partition(part_number)
 ev_partition
                                  NOT FOR REPLICATION,
                                                                                              -- partition ID to which this event belongs
 ev_public
                                SMALLINT,
                                                                                              -1 = \text{public}, 0 = \text{private}
 ev id
                                INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                              -- unique database ID for this event
 ev_name
                                CHAR(32) NOT NULL,
                                                                                              -- event name
 ev_manual_activate
                                SMALLINT,
                                                                                              -- 1 = allow manual activation, 0 = disallow
                                INTEGER NULL REFERENCES timezone(tz id)
 ev_active_timezone
                                  NOT FOR REPLICATION,
                                                                                              -- timezone ID when this event is active, if
                                                                                                 NULL then always active
                                                                                              -- logic for triggers (0 = AND, 1 = OR)
 ev logic
                                SMALLINT,
                                                                                              -- last date/time event was activated
                                DATETIME,
 ev_last_activate
                                CHAR(32) NOT NULL,
 site
                                                                                              -- Site Name
                                uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                              -- Global unique record identifier
 ev guid
 ev checksum
                                INTEGER NOT NULL,
                                                                                              -- Record checksum
 ev_enable
                                SMALLINT NOT NULL,
 PRIMARY KEY
                                ( ev partition, ev id )
);
 CREATE INDEX
                                ev public ON event(ev public);
 CREATE UNIQUE INDEX
                                ev_site_name ON event(site, ev_name);
 CREATE INDEX
                                ev_enable ON event(ev_enable);
CREATE TABLE event action
                          INTEGER IDENTITY NOT FOR REPLICATION
 eva_id
                            PRIMARY KEY,
                                                                             -- unique id of this action
                          INTEGER REFERENCES event(ev id)
 eva_event_id
                            NOT FOR REPLICATION,
                                                                             -- ID of event for this action
                                                                             -- order of this action in its event
 eva order
                          SMALLINT,
 eva_delay
                          INTEGER,
                                                                             -- seconds to delay before executing this action
                          SMALLINT,
 eva_type
                                                                             -- action type (see eventactiondb.h)
                          INTEGER NULL,
 eva value1
                                                                             -- value 1, usage depends upon eva_type (see eventactiondb.h)
 eva value2
                          INTEGER NULL,
                                                                             -- value 2, usage depends upon eva type (see eventactiondb.h)
 eva_partition
                          INTEGER NULL REFERENCES partition(part_number)
                            NOT FOR REPLICATION,
                                                                             -- ID of partition for this action
```

```
CHAR(255) NULL,
                                                                              -- value text, usage depends upon eva type
 eva text
                                                                                (see eventactiondb.h)
 eva_value_float
                          FLOAT NULL,
                                                                              -- value 3, usage depends upon eva_type (see eventactiondb.h)
                          CHAR(255) NULL,
                                                                              -- value 4, usage depends upon eva type (see eventactiondb.h)
 eva_value_str
                          CHAR(32) NOT NULL,
                                                                              -- Site Name
 site
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier
 eva_guid
                                                                              -- Record checksum
 eva checksum
                          INTEGER NOT NULL,
 eva_value3
                          INTEGER NULL,
);
 CREATE INDEX
                          eva event id ON event action ( eva event id );
 CREATE INDEX
                          eva_order ON event_action ( eva_order );
 CREATE INDEX
                          eva_type ON event_action ( eva_type );
CREATE TABLE event action decode
 evad_id
                          INTEGER REFERENCES event_action(eva_id) NOT
                            FOR REPLICATION PRIMARY KEY,
                                                                                           -- unique id of this action
 evad event id
                          INTEGER REFERENCES event(ev_id) NOT FOR REPLICATION,
                                                                                           -- ID of event for this action
 evad order
                                                                                          -- order of this action in its event
                          SMALLINT
 evad delay
                          INTEGER,
                                                                                           -- seconds to delay before executing this action
 evad category
                          VARCHAR(256),
 evad_type
                          SMALLINT,
                                                                                           -- action type (see eventactiondb.h)
                          VARCHAR(256),
 evad_type_text
 evad value1 text
                          VARCHAR(256),
 evad value1 value
                          VARCHAR(256),
 evad value2 text
                          VARCHAR(256),
 evad_value2_value
                          VARCHAR(256),
 evad value3 text
                          VARCHAR(256),
 evad value3 value
                          VARCHAR(256),
 site
                          CHAR(32) NOT NULL,
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                          -- Global unique record identifier
 evad_guid
 evad checksum
                                                                                           -- Record checksum
                          INTEGER NOT NULL,
);
 CREATE INDEX
                          evad event id ON event action decode ( evad event id );
 CREATE INDEX
                          evad order ON event action decode ( evad order );
CREATE TABLE event_action_save
                          INTEGER NOT NULL,
                                                                              -- unique id of this action
 eva id
                          INTEGER,
                                                                              -- ID of event for this action
 eva event id
 eva_order
                          SMALLINT,
                                                                              -- order of this action in its event
 eva delay
                          INTEGER,
                                                                              -- seconds to delay before executing this action
                          SMALLINT,
                                                                              -- action type (see eventactiondb.h)
 eva_type
 eva_value1
                          INTEGER NULL,
                                                                              -- value 1, usage depends upon eva_type (see eventactiondb.h)
 eva value2
                          INTEGER NULL,
                                                                              -- value 2, usage depends upon eva type (see eventactiondb.h)
 eva_partition
                          INTEGER NULL,
                                                                              -- ID of partition for this action
 eva_text
                          CHAR(255) NULL,
                                                                              -- value text, usage depends upon eva_type
                                                                                (see eventactiondb.h)
                                                                              -- value 3, usage depends upon eva_type (see eventactiondb.h)
 eva value float
                          FLOAT NULL,
 eva_value_str
                          CHAR(255) NULL,
                                                                              -- value 4, usage depends upon eva_type (see eventactiondb.h)
                          CHAR(32) NOT NULL,
 site
                                                                              -- Site Name
                                                                              -- Global unique record identifier
 eva_guid
                          uniqueidentifier NOT NULL,
 eva checksum
                          INTEGER NOT NULL,
                                                                              -- Record checksum
                          uniqueidentifier NOT NULL,
                                                                              -- Guid for update operation
 upd guid
 upd_mode
                          SMALLINT NOT NULL,
                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                          DATETIME NOT NULL,
                                                                              -- Date / Time of the update
 upd checksum
                          INTEGER NOT NULL,
                                                                              -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                             UNIQUE NOT NULL,
                                                                              -- Global unique record identifier
 eva value3
                          INTEGER NULL,
 PRIMARY KEY
                          (eva_id, upd_mode desc, upd_guid)
);
```

## CREATE TABLE event\_trigger

INTEGER IDENTITY NOT FOR REPLICATION evt id

PRIMARY KEY,

evt\_event\_id INTEGER REFERENCES event(ev id) INTEGER,

NOT FOR REPLICATION,

evt\_type evt\_condition\_type SMALLINT NULL, evt condition logic SMALLINT NULL,

evt condition value INTEGER NULL.

VARCHAR(100) NULL REFERENCES badge(b\_number\_str) evt\_condition\_badge

NOT FOR REPLICATION,

evt\_condition\_date DATETIME,

INTEGER REFERENCES partition(part\_number) evt\_partition

NOT FOR REPLICATION,

evt not for drill SMALLINT NOT NULL, evt\_condition\_string CHAR(255) NULL,

CHAR(32) NOT NULL, site

uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, evt guid

INTEGER NOT NULL, evt checksum

CREATE INDEX evt\_event\_id ON event\_trigger ( evt\_event\_id ); CREATE INDEX evt\_type ON event\_trigger ( evt\_type );

#### -- unique ID for this trigger

-- ID of event for this trigger

-- trigger type (see eventtriggerdb.h)

-- trigger condition type (see eventtriggerdb.h) -- trigger condition logic (see eventtriggerdb.h)

-- trigger condition value (see eventtriggerdb.h for usage)

-- trigger condition badge value (if used)

-- trigger condition date/time value (if used)

-- ID of partition for this trigger

-- For events triggering on muster start/stop

-- unique ID for this trigger

-- ID of event for this trigger

-- trigger type (see eventtriggerdb.h)

-- trigger condition string

-- 1 = do not trigger for a drill, 0 always trigger

-- Site Name

-- Global unique record identifier

-- Record checksum

evtd id INTEGER REFERENCES event\_trigger(evt\_id)

NOT FOR REPLICATION PRIMARY KEY, INTEGER REFERENCES event(ev\_id) NOT FOR REPLICATION,

evtd event id evtd category VARCHAR(256),

evtd type INTEGER, evtd\_type\_text VARCHAR(256), evtd\_condition\_type\_text VARCHAR(256),

evtd\_condition\_logic\_text VARCHAR(256), evtd condition value text VARCHAR(256),

evtd not for drill SMALLINT NOT NULL, CHAR(32) NOT NULL, site

evtd\_guid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,

evtd\_checksum INTEGER NOT NULL,

CREATE INDEX evtd\_event\_id ON event\_trigger\_decode ( evtd\_event\_id ); CREATE INDEX evtd type ON event trigger decode (evtd type);

## CREATE TABLE event\_trigger\_decode

-- 1 = do not trigger for a drill, 0 always trigger

-- Site Name

-- Global unique record identifier

-- Record checksum

## CREATE TABLE event\_trigger\_save

INTEGER NOT NULL, evt id evt event id INTEGER, INTEGER, evt\_type SMALLINT NULL, evt\_condition\_type evt condition logic SMALLINT NULL, evt\_condition\_value INTEGER NULL, evt condition badge VARCHAR(100) NULL, DATETIME. evt\_condition\_date

evt\_partition INTEGER,

SMALLINT NOT NULL, evt not for drill

evt\_condition\_string CHAR(255) NULL, CHAR(32) NOT NULL, site evt guid uniqueidentifier NOT NULL. evt\_checksum INTEGER NOT NULL, upd\_guid uniqueidentifier NOT NULL,

- -- unique ID for this trigger
- -- ID of event for this trigger
- -- trigger type (see eventtriggerdb.h)
- -- trigger condition type (see eventtriggerdb.h) -- trigger condition logic (see eventtriggerdb.h)

-- trigger condition value (see eventtriggerdb.h for usage)

-- trigger condition badge value (if used) -- trigger condition date/time value (if used)

-- ID of partition for this trigger

-- For events triggering on muster start/stop -- 1 = do not trigger for a drill, 0 always trigger

-- trigger condition string

-- Site Name

-- Global unique record identifier

-- Record checksum

-- Guid for update operation

```
upd mode
                          SMALLINT NOT NULL,
                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                          DATETIME NOT NULL,
                                                                              -- Date / Time of the update
 upd checksum
                          INTEGER NOT NULL,
                                                                              -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd rowguid
                             UNIQUE NOT NULL,
                                                                              -- Global unique record identifier
 PRIMARY KEY
                          (evt_id, upd_mode desc, upd_guid)
);
CREATE TABLE event_save
                          INTEGER NOT NULL,
                                                                         -- partition ID to which this event belongs
 ev partition
 ev_public
                          SMALLINT,
                                                                         -1 = \text{public}, 0 = \text{private}
 ev\_id
                          INTEGER NOT NULL,
                                                                         -- unique database ID for this event
                          CHAR(32) NOT NULL,
                                                                         -- event name
 ev name
 ev_manual activate
                          SMALLINT,
                                                                         -1 = allow manual activation, 0 = disallow
 ev_active_timezone
                          INTEGER NULL,
                                                                         -- timezone ID when this event is active, if NULL then always active
                                                                         -- logic for triggers (0 = AND, 1 = OR)
 ev logic
                          SMALLINT,
                          DATETIME.
                                                                         -- last date/time event was activated
 ev_last_activate
                          CHAR(32) NOT NULL,
 site
                                                                         -- Site Name
                          uniqueidentifier NOT NULL,
                                                                         -- Global unique record identifier
 ev guid
 ev checksum
                          INTEGER NOT NULL,
                                                                         -- Record checksum
 upd_guid
                          uniqueidentifier NOT NULL,
                                                                         -- Guid for update operation
 upd_mode
                          SMALLINT NOT NULL,
                                                                         -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                          DATETIME NOT NULL.
                                                                         -- Date / Time of the update
 upd checksum
                          INTEGER NOT NULL,
                                                                         -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT
 upd rowguid
                            newid() UNIQUE NOT NULL,
                                                                         -- Global unique record identifier
 ev enable
                          SMALLINT NOT NULL,
 PRIMARY KEY
                          ( ev_partition, ev_id, upd_mode desc, upd_guid )
CREATE TABLE externalip
                             INTEGER IDENTITY NOT FOR
 eip_id
                                REPLICATION UNIQUE,
                                                                         -- unique database ID
 eip name
                             CHAR(32) NOT NULL,
                                                                         -- unique Pegasys name of the source
                                                                         -- IP address of the source (valid only if eip computer name is empty)
 eip_ip_address
                             CHAR(16),
 eip_computer_name
                             CHAR(32),
                                                                        -- DNS name of the source (valid only if eip_ip_address is empty)
 eip allow
                             SMALLINT NOT NULL,
                                                                        -0 = Deny access, 1 = Allow access
                             SMALLINT NOT NULL,
                                                                        --0 = \text{not routed}, 1 = \text{Routed}
 eip routed
 eip_usage_mask
                             INT NOT NULL,
                                                                        -- mask of usage
                                                                        -- 0x0001 BACNet
                                                                         -- 0x0002 XmlRpc
 site
                             CHAR(32) NOT NULL,
                                                                         -- Site Name
 eip guid
                             uniqueidentifier ROWGUIDCOL
                                UNIQUE NOT NULL,
                                                                         -- Global unique record identifier
                             INTEGER NOT NULL,
                                                                         -- Record checksum
 eip_checksum
 PRIMARY KEY
                             (eip_id)
 CREATE UNIQUE INDEX eip_site_name ON externalip (site, eip_name);
CREATE TABLE externallip save
                          INTEGER NOT NULL,
                                                                        -- unique database ID
 eip_id
                          CHAR(32) NOT NULL,
                                                                        -- unique Pegasys name of the source
 eip name
 eip_ip_address
                          CHAR(16),
                                                                        -- IP address of the source (valid only if eip_computer_name is empty)
 eip_computer_name
                          CHAR(32),
                                                                        -- DNS name of the source (valid only if eip_ip_address is empty)
                          SMALLINT NOT NULL,
                                                                        -0 = Deny access, 1 = Allow access
 eip allow
 eip routed
                          SMALLINT NOT NULL,
                                                                        --0 = \text{not routed}, 1 = \text{Routed}
 eip_usage_mask
                          INT,
                                                                        -- mask of usage
                                                                        -- 0x0001 BACNet
```

```
-- 0x0002 XmlRpc
 site
                        CHAR(32) NOT NULL,
                                                                    -- Site Name
                                                                    -- Global unique record identifier
 eip_guid
                         uniqueidentifier NOT NULL,
                         INTEGER NOT NULL,
                                                                    -- Record checksum
 eip_checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                    -- Guid for update operation
 upd_mode
                         SMALLINT NOT NULL,
                                                                    -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                        DATETIME NOT NULL,
                                                                    -- Date / Time of the update
 upd_checksum
                        INTEGER NOT NULL,
                                                                    -- Checksum
                        uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                           newid() UNIQUE NOT NULL,
                                                                    -- Global unique record identifier
 PRIMARY KEY
                        ( eip_id, upd_mode desc, upd_guid )
);
CREATE TABLE external trigger
 trigger_id
                         INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                   -- unique database ID
 trigger_text
                        CHAR(1024) NOT NULL,
                                                                                   -- trigger text written by external system
);
CREATE TABLE facility
 f_name
                               CHAR(32) NOT NULL,
                               INTEGER NOT NULL,
 f_cardexpire_format
                               INTEGER NOT NULL,
 f_cardexpire_postype
 f_cardexpire_position
                               INTEGER NOT NULL.
 f cardexpire thru
                               INTEGER NOT NULL,
 f_cardfacility_postype
                               INTEGER NOT NULL,
                               INTEGER NOT NULL,
 f_cardFacility_position
 f_cardid_postype
                               INTEGER NOT NULL,
 f cardid position
                               INTEGER NOT NULL,
 f cardissue postype
                               INTEGER NOT NULL,
 f_cardissue_position
                               INTEGER NOT NULL,
 f_cardtrack
                               INTEGER NOT NULL,
 f cardtrack limit
                               INTEGER NOT NULL,
 f dst type
                               INTEGER NOT NULL,
 f dst aheadmonth
                               INTEGER NOT NULL,
 f dst aheadsunday
                               INTEGER NOT NULL,
 f_dst_backmonth
                               INTEGER NOT NULL,
 f dst backsunday
                               INTEGER NOT NULL,
 f facilitycode
                               CHAR(12) NULL,
 f_idcode_length
                               INTEGER NOT NULL,
 f_pin_length
                               INTEGER NOT NULL,
                               INTEGER NOT NULL,
 f signonkey
 f_extended_access_flag
                               INTEGER NOT NULL,
 f manager flag
                               INTEGER NOT NULL,
 f_programmer_flag
                               INTEGER NOT NULL,
 f_extended_access_time
                               INTEGER NOT NULL,
 f extended shunt time
                               INTEGER NOT NULL,
 f_create_keypad_id
                               INTEGER NOT NULL,
 f_{database\_name}
                               CHAR(32) NOT NULL,
 f card format
                               VARCHAR(4096) NULL,
 f_badge_type
                               INTEGER NOT NULL,
 site
                               CHAR(32) NOT NULL,
                                                                                              -- Site Name
                               uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                              -- Global unique record identifier
 f guid
 f checksum
                               INTEGER NOT NULL,
                                                                                              -- Record checksum
 f_signon_badge_number
                               VARCHAR(100) NULL,
                               SMALLINT NULL,
 f_signon_badge_issue
 f signon badge facility code
                               INTEGER NULL.
 f card format 2
                               VARCHAR(4096) NULL,
 PRIMARY KEY
 CREATE UNIQUE INDEX
                               f_site_name ON facility (site, f_name);
```

#### CREATE TABLE facility\_group fg facility guid uniqueidentifier REFERENCES facility(f guid) NOT FOR REPLICATION, -- facility ID fg\_group\_number INTEGER. -- group number (1 - 32) INTEGER REFERENCES accgroup(ag\_id) NOT FOR REPLICATION, -- access group ID fg accgroup id fg\_timezone id INTEGER REFERENCES timezone(tz id) NOT FOR REPLICATION, -- timezone ID CHAR(32) NOT NULL, -- Site Name site uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier fg\_guid INTEGER NOT NULL, fg checksum -- Record checksum PRIMARY KEY (fg\_facility\_guid, fg\_group\_number) CREATE TABLE facility\_group\_save fg\_facility\_guid uniqueidentifier, -- facility ID fg\_group\_number INTEGER, -- group number (1 - 32) INTEGER, -- access group ID fg\_accgroup\_id fg\_timezone\_id INTEGER, -- timezone ID CHAR(32) NOT NULL, -- Site Name -- Global unique record identifier fg guid uniqueidentifier NOT NULL, INTEGER NOT NULL. fg checksum -- Record checksum upd guid uniqueidentifier NOT NULL, -- Guid for update operation upd\_mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) upd\_timestamp DATETIME NOT NULL, -- Date / Time of the update upd\_checksum INTEGER NOT NULL, -- Checksum uniqueidentifier ROWGUIDCOL DEFAULT newid() upd\_rowguid UNIQUE NOT NULL, -- Global unique record identifier PRIMARY KEY ( fg\_facility\_guid, fg\_group\_number, upd\_mode desc, upd\_guid) ); **CREATE TABLE** facility hid fhid id INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, -- Unique database ID of panel CHAR(32) NOT NULL, -- HID facility name fhid\_name SMALLINT NOT NULL, -0 = none, 1 - 3 special flags A - C fhid\_ada\_support\_flag fhid card format VARCHAR(4096) NULL. -- Card format CHAR(32) NOT NULL, -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier fhid guid fhid checksum INTEGER NOT NULL, -- Record checksum PRIMARY KEY (fhid\_id) ); CREATE TABLE facility\_hid\_save

 $fhid_id$ INTEGER NOT NULL, -- Unique database ID of terminal fhid name CHAR(32) NOT NULL, -- HID facility name fhid ada support flag SMALLINT NOT NULL, -- 0 = none, 1 - 3 special flags A - C fhid card format VARCHAR(4096) NULL, -- Card format CHAR(32) NOT NULL, -- Site Name site fhid guid uniqueidentifier NOT NULL, -- Global unique record identifier fhid checksum INTEGER NOT NULL, -- Record checksum upd guid uniqueidentifier NOT NULL, -- Guid for update operation -- Update mode (0 - delete, 1 - edit, 2 - new) upd mode SMALLINT NOT NULL, upd timestamp DATETIME NOT NULL, -- Date / Time of the update INTEGER NOT NULL, -- Checksum upd checksum uniqueidentifier ROWGUIDCOL DEFAULT newid() upd\_rowguid UNIQUE NOT NULL, -- Global unique record identifier PRIMARY KEY (fhid\_id, upd\_mode desc, upd\_guid) );

```
CREATE TABLE facility_save
 f name
 f_cardexpire_format
 f_cardexpire_postype
```

CHAR(32) NOT NULL, INTEGER NOT NULL, INTEGER NOT NULL, INTEGER NOT NULL, f\_cardexpire\_position INTEGER NOT NULL, f cardexpire thru f\_cardfacility\_postype INTEGER NOT NULL, f\_cardFacility\_position INTEGER NOT NULL,

f\_cardid\_postype INTEGER NOT NULL. f\_cardid\_position INTEGER NOT NULL, INTEGER NOT NULL, f cardissue postype f\_cardissue\_position INTEGER NOT NULL, f\_cardtrack INTEGER NOT NULL, f cardtrack limit INTEGER NOT NULL,

f dst type INTEGER NOT NULL,  $f\_dst\_aheadmonth$ INTEGER NOT NULL, f\_dst\_aheadsunday INTEGER NOT NULL, f\_dst\_backmonth INTEGER NOT NULL, f dst backsunday INTEGER NOT NULL, f facilitycode CHAR(12) NULL,

f idcode length INTEGER NOT NULL, f\_pin\_length INTEGER NOT NULL, INTEGER NOT NULL, f\_signonkey f\_manager\_flag INTEGER NOT NULL. f extended access flag INTEGER NOT NULL,

f programmer flag INTEGER NOT NULL, f\_extended\_access\_time INTEGER NOT NULL, f\_extended\_shunt\_time INTEGER NOT NULL, f database name CHAR(32) NOT NULL, f card format VARCHAR(4096) NULL,

f\_badge\_type INTEGER NOT NULL, f create keypad id INTEGER NOT NULL, CHAR(32) NOT NULL, site f guid uniqueidentifier NOT NULL,

f checksum INTEGER NOT NULL, upd guid uniqueidentifier NOT NULL, upd\_mode SMALLINT NOT NULL,

upd\_timestamp DATETIME NOT NULL, upd checksum INTEGER NOT NULL,

upd\_rowguid uniqueidentifier ROWGUIDCOL DEFAULT newid()

UNIQUE NOT NULL, VARCHAR(100) NULL, f\_signon\_badge\_number f\_signon\_badge\_issue SMALLINT NULL, INTEGER NULL, f signon badge facility code f\_card\_format\_2 VARCHAR(4096) NULL,

PRIMARY KEY (f\_guid, upd\_mode desc, upd\_guid)

);

);

```
-- Site Name
```

-- Global unique record identifier

-- Record checksum

-- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Date / Time of the update

-- Checksum

-- Global unique record identifier

## CREATE TABLE facility\_status

```
uniqueidentifier ROWGUIDCOL REFERENCES facility(f guid)
fs_guid
                         NOT FOR REPLICATION,
fs last xaction
                       INTEGER NULL.
```

CHAR(32) NOT NULL, site fs checksum INTEGER NOT NULL,

PRIMARY KEY (fs\_guid)

-- Global unique record identifier -- last transaction processed

-- Site Name -- Record checksum

## CREATE TABLE fascn\_ccc

uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, ccc\_guid

-- Global unique record identifier

```
ccc name
                             CHAR(32) NOT NULL,
                                                                                  -- CCC name
 ccc card id rid
                             BINARY(5) NOT NULL,
 ccc_card_id_manufacturer
                             TINYINT NOT NULL,
 ccc card id cardtype
                             TINYINT NOT NULL,
 ccc card id cardid
                             VARCHAR(64) NOT NULL,
 ccc_container_version
                             TINYINT NOT NULL,
 ccc grammer version
                             TINYINT NOT NULL,
 ccc_card_url_rid
                             BINARY(5) NOT NULL,
 ccc_card_url_app_type
                             TINYINT NOT NULL.
 ccc card url object id
                             SMALLINT NOT NULL,
 ccc_card_url_app_id
                             SMALLINT NOT NULL,
 ccc_card_url_pin_id
                             TINYINT NOT NULL,
 ccc_pkcs15_version
                             TINYINT NOT NULL,
 ccc data model
                             TINYINT NOT NULL.
 ccc card apdus
                             BINARY(6) NOT NULL,
                             CHAR(32) NOT NULL,
                                                                                  -- Site Name
 ccc_checksum
                             INTEGER NOT NULL,
                                                                                  -- Record checksum
 PRIMARY KEY
                             (ccc_guid)
);
CREATE TABLE fascn_ccc_save
                              uniqueidentifier NOT NULL,
                                                                                   -- Global unique record identifier
 ccc_guid
 ccc_name
                              CHAR(32) NOT NULL.
                                                                                   -- CCC name
 ccc card id rid
                              BINARY(5) NOT NULL,
 ccc card id manufacturer
                              TINYINT NOT NULL,
 ccc_card_id_cardtype
                              TINYINT NOT NULL,
 ccc_card_id_cardid
                              VARCHAR(64) NOT NULL,
 ccc container version
                              TINYINT NOT NULL,
 ccc grammer version
                              TINYINT NOT NULL,
 ccc card url rid
                              BINARY(5) NOT NULL,
 ccc_card_url_app_type
                              TINYINT NOT NULL,
 ccc_card_url_object_id
                              SMALLINT NOT NULL,
 ccc_card_url_app_id
                              SMALLINT NOT NULL,
 ccc card url pin id
                              TINYINT NOT NULL,
 ccc_pkcs15_version
                              TINYINT NOT NULL,
 ccc data model
                              TINYINT NOT NULL,
 ccc_card_apdus
                              BINARY(6) NOT NULL,
                              CHAR(32) NOT NULL,
                                                                                   -- Site Name
 ccc\_checksum
                              INTEGER NOT NULL,
                                                                                   -- Record checksum
 upd_guid
                              uniqueidentifier NOT NULL,
                                                                                   -- Guid for update operation
                                                                                   -- Update mode (0 - delete, 1 - edit, 2 - new)
                              SMALLINT NOT NULL.
 upd mode
                              DATETIME NOT NULL,
                                                                                   -- Date / Time of the update
 upd_timestamp
 upd checksum
                              INTEGER NOT NULL,
                                                                                   -- Checksum
                              uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                                UNIQUE NOT NULL,
                                                                                   -- Global unique record identifier
 PRIMARY KEY
                              ( ccc_guid, upd_guid )
CREATE TABLE fingerprint
                         INTEGER.
 fp_cardholder_id
                                                                                  -- unique id of cardholder
 fp_create_date
                         DATETIME.
                                                                                   -- date/time fingerprint was taken
                         IMAGE,
                                                                                  -- fingerprint image data
 fp image
 fp_instance
                         INTEGER.
                                                                                  -- fingerprint instance
                        CHAR(32) NOT NULL,
                                                                                   -- Site Name
 site
 fp_guid
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                  -- Global unique record identifier
 fo checksum
                         INTEGER NOT NULL.
                                                                                  -- Record checksum
 PRIMARY KEY
                         (fp cardholder id, fp instance)
```

```
CREATE TABLE fingerprint_save
  fp cardholder id
                          INTEGER,
                                                                                      -- unique id of cardholder
  fp_create_date
                          DATETIME,
                                                                                      -- date/time fingerprint was taken
 fp_image
                          IMAGE,
                                                                                      -- fingerprint image data
 fp_instance
                          INTEGER,
                                                                                      -- fingerprint instance
                          CHAR(32) NOT NULL,
                                                                                      -- Site Name
 site
 fp_guid
                          uniqueidentifier NOT NULL,
                                                                                      -- Global unique record identifier
 fp_checksum
                          INTEGER NOT NULL,
                                                                                      -- Record checksum
                          uniqueidentifier NOT NULL,
 upd_guid
                                                                                      -- Guid for update operation
 upd_mode
                          SMALLINT NOT NULL,
                                                                                      -- Update mode (0 - delete, 1 - edit, 2 - new)
                          DATETIME NOT NULL,
                                                                                      -- Date / Time of the update
 upd timestamp
 upd_checksum
                          INTEGER NOT NULL,
                                                                                      -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                                      -- Global unique record identifier
 PRIMARY KEY
                         (fp cardholder id, fp instance, upd mode desc, upd guid)
);
CREATE TABLE firealarm_entity
 fire_id int
                          IDENTITY NOT FOR REPLICATION
                                                                                                    unique,
                          int not NULL,
 fire type
 fire_partition
                          INTEGER REFERENCES partition(part_number) NOT FOR REPLICATION,
                                                                                                    -- ID of partition for this input
 fire_public
                          smallint,
 fire_opcid
                          varchar(32) NOT NULL,
 fire name
                          varchar(32) NOT NULL.
 fire opcname
                          varchar(255) unique NOT NULL,
 fire_parentid
                          CHAR(32) NOT NULL,
                                                                                                    -- Site Name
 site
 fire_querystring
                          varchar(64),
 fire enable
                          smallint,
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 fire guid
                                                                                                    -- Global unique record identifier
 fire_checksum
                          int NOT NULL,
 PRIMARY KEY
                         (fire_id)
 CREATE UNIQUE INDEX fire opename ON firealarm entity( site, fire opename );
CREATE TABLE firealarm entity save
 fire_id
                          INTEGER NOT NULL,
 fire type
                          int NOT NULL,
 fire partition
                          INTEGER NOT NULL,
 fire_public
                          smallint,
 fire_opcid
                          varchar(32) NOT NULL,
 fire_name
                          varchar(32) NOT NULL,
                          varchar(255) unique NOT NULL,
 fire_opcname
 fire parentid
                          CHAR(32) NOT NULL,
 site
                          varchar(64),
 fire_querystring
 fire enable
                          smallint,
 fire guid
                          uniqueidentifier NOT NULL,
 fire_checksum
                          int NOT NULL,
 upd_guid
                          uniqueidentifier NOT NULL,
                                                                                           -- Guid for update operation
 upd mode
                          SMALLINT NOT NULL,
                                                                                           -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                          DATETIME NOT NULL,
                                                                                           -- Date / Time of the update
 upd checksum
                          INTEGER NOT NULL,
                                                                                           -- Checksum
 upd_rowguid
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
                            UNIQUE NOT NULL,
                                                                                           -- Global unique record identifier
 PRIMARY KEY
                          (fire_id, upd_mode desc, upd_guid)
```

## CREATE TABLE firealarm\_status

firestat id INTEGER REFERENCES firealarm entity(fire id)

NOT FOR REPLICATION,

SMALLINT NOT NULL,  $firestat\_status$ SMALLINT NOT NULL, firestat\_substatus DATETIME NOT NULL, firestat timestamp

CHAR(32) NOT NULL, uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,

firestat guid firestat checksum INTEGER NOT NULL,

PRIMARY KEY (firestat\_id) -- Fire Alarm ID to which this status belongs

-- Icon status -- SubStatus

-- time of last current state (set by comms)

-- Site Name

-- Global unique record identifier

-- Record checksum

## CREATE TABLE flag\_p900

INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, flp\_id

flp\_name varchar(32),

flp\_number SMALLINT NOT NULL, SMALLINT NOT NULL, flp status flp\_report\_change SMALLINT NOT NULL,

flp current state SMALLINT. flp default state SMALLINT, flp\_force\_state SMALLINT, flp\_update\_time DATETIME, flp\_query\_string CHAR(64),

flp\_partition INTEGER REFERENCES partition(part\_number)

NOT FOR REPLICATION,

flp\_public SMALLINT NOT NULL,

INTEGER NOT NULL REFERENCES panel(p\_panel\_id) flp\_panel\_id

NOT FOR REPLICATION,

site CHAR(32) NOT NULL,

uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, flp guid

flp\_checksum INTEGER NOT NULL, PRIMARY KEY (flp\_partition, flp\_id)

); CREATE INDEX

upd\_rowguid

flp public ON flag p900(flp public);

CREATE UNIQUE INDEX flp number ON flag p900 (flp number, flp panel id); flp\_site\_name ON flag\_p900 (site, flp\_name); CREATE UNIQUE INDEX

-- Unique ID of this flag-- the flag ID

-- the flag name

-- the flag number -- the flag status

-- reports when changed -- the current flag value -- the default state

-- the force state -- The time stamp for control

-- query string enter by user

-- ID of partition for this flag

-- open to punlic

-- the panel ID -- Site Name

-- Global unique record identifier

-- Record checksum

## CREATE TABLE flag\_p900\_save

flp\_id INTEGER NOT NULL, flp\_name varchar(32), SMALLINT NOT NULL, flp number flp\_status SMALLINT NOT NULL, SMALLINT NOT NULL, flp\_report\_change

flp current state SMALLINT, flp default state SMALLINT,  $flp\_force\_state$ SMALLINT, flp\_update\_time DATETIME, flp\_query\_string CHAR(64),

INTEGER NOT NULL, flp\_partition flp\_public SMALLINT NOT NULL, flp\_panel\_id INTEGER NOT NULL. CHAR(32) NOT NULL, site uniqueidentifier NOT NULL, flp\_guid flp\_checksum INTEGER NOT NULL, upd\_guid uniqueidentifier NOT NULL, upd\_mode SMALLINT NOT NULL, upd timestamp DATETIME NOT NULL. upd\_checksum INTEGER NOT NULL,

-- Unique ID of this flag -- the flag ID

-- the flag name -- the flag number -- the flag status

-- reports when changed -- the current flag value -- the default state -- the force state

-- The time stamp for control -- query string enter by user -- ID of partition for this flag

-- open to punlic -- the panel ID -- Site Name

-- Global unique record identifier

-- Record checksum -- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Date / Time of the update

-- Checksum

uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier

```
PRIMARY KEY
                         (flp partition, flp id, upd mode desc, upd guid)
CREATE TABLE floorgrp
  fg_partition
                          INTEGER REFERENCES partition(part_number)
                            NOT FOR REPLICATION,
                                                                                     -- partition ID to which this floor/door group belongs to
 fg public
                          SMALLINT,
                                                                                     -1 = \text{public}, 0 = \text{private}
                          INTEGER IDENTITY NOT FOR REPLICATION UNIOUE.
 fg_id
                                                                                     -- unique ID
 fg name
                          CHAR(32) NOT NULL,
                                                                                     -- group name
                                                                                     -- group type, 1 = elevator, 2 = cabinet
 fg_type
                          SMALLINT,
 site
                          CHAR(32) NOT NULL,
                                                                                     -- Site Name
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                     -- Global unique record identifier
 fg_guid
                          INTEGER NOT NULL,
                                                                                     -- Record checksum
 fg checksum
 PRIMARY KEY
                          (fg partition, fg id)
 CREATE UNIQUE INDEX
                               fg_name_type ON floorgrp (site, fg_name, fg_type);
 CREATE INDEX
                              fg_type ON floorgrp (fg_type);
CREATE TABLE floorgrpdata
  fgd_floorgrp_id
                          INTEGER REFERENCES floorgrp(fg_id) NOT FOR REPLICATION,
                                                                                                    -- floor/door group id
 fgd_floormask_id
                          INTEGER REFERENCES floormask(fm_id) NOT FOR REPLICATION,
                                                                                                    -- floor/door mask id
 fgd_elevator_id
                          INTEGER REFERENCES elevator(el_elevator_id) NOT FOR REPLICATION,
                                                                                                    -- elevator/cabinet id
                          CHAR(32) NOT NULL.
                                                                                                    -- Site Name
 site
 fgd guid
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                                    -- Global unique record identifier
 fgd checksum
                          INTEGER NOT NULL,
                                                                                                    -- Record checksum
 PRIMARY KEY
                         (fgd_floorgrp_id, fgd_floormask_id, fgd_elevator_id)
CREATE TABLE floorgrpdata save
  fgd_floorgrp_id
                          INTEGER,
                                                                                              -- floor/door group id
 fgd_floormask_id
                          INTEGER,
                                                                                              -- floor/door mask id
 fgd elevator id
                          INTEGER.
                                                                                              -- elevator/cabinet id
                          CHAR(32) NOT NULL,
                                                                                              -- Site Name
 fgd guid
                          uniqueidentifier NOT NULL,
                                                                                              -- Global unique record identifier
 fgd_checksum
                          INTEGER NOT NULL,
                                                                                              -- Record checksum
 upd_guid
                          uniqueidentifier NOT NULL,
                                                                                              -- Guid for update operation
                                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
                          SMALLINT NOT NULL,
 upd timestamp
                          DATETIME NOT NULL,
                                                                                              -- Date / Time of the update
 upd checksum
                                                                                              -- Checksum
                          INTEGER NOT NULL,
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd rowguid
                            UNIQUE NOT NULL,
                                                                                              -- Global unique record identifier
 PRIMARY KEY
                          (fgd floorgrp id, fgd floormask id, fgd elevator id, upd mode desc, upd guid)
);
CREATE TABLE floorgrp_save
  fg_partition
                          INTEGER NOT NULL,
                                                                                     -- partition ID to which this floor/door group belongs to
                          SMALLINT,
                                                                                     -1 = \text{public}, 0 = \text{private}
 fg_public
 fg_id
                          INTEGER NOT NULL,
                                                                                     -- unique ID
                          CHAR(32) NOT NULL,
 fg name
                                                                                     -- group name
                          SMALLINT,
                                                                                     -- group type, 1 = elevator, 2 = cabinet
 fg_type
 site
                          CHAR(32) NOT NULL,
                                                                                     -- Site Name
 fg guid
                          uniqueidentifier NOT NULL,
                                                                                     -- Global unique record identifier
 fg checksum
                          INTEGER NOT NULL,
                                                                                     -- Record checksum
                                                                                     -- Guid for update operation
 upd_guid
                         uniqueidentifier NOT NULL,
 upd mode
                         SMALLINT NOT NULL,
                                                                                     -- Update mode (0 - delete, 1 - edit, 2 - new)
```

upd\_timestamp

DATETIME NOT NULL,

-- Date / Time of the update

```
upd checksum
                         INTEGER NOT NULL,
                                                                                   -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                                   -- Global unique record identifier
 PRIMARY KEY
                         (fg partition, fg id, upd mode desc, upd guid)
);
CREATE TABLE floormask
                         INTEGER REFERENCES partition(part_number)
 fm partition
                            NOT FOR REPLICATION,
                                                                                   -- partition ID to which this floor/door mask belongs to
                                                                                   -1 = \text{public}, 0 = \text{private}
 fm public
                         INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                   -- unique ID
 fm_id
                         CHAR(32) NOT NULL.
 fm_name
                                                                                   -- mask name
                                                                                   -- mask type, 1 = elevator, 2 = cabinet
 fm_type
                         SMALLINT,
                         CHAR(32) NOT NULL,
 site
                                                                                   -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 fm_guid
                                                                                   -- Global unique record identifier
 fm checksum
                                                                                   -- Record checksum
                         INTEGER NOT NULL,
 PRIMARY KEY
                         (fm_partition, fm_id)
 CREATE UNIQUE INDEX
                               fm name type ON floormask (site, fm_name, fm_type);
 CREATE INDEX
                               fm type ON floormask (fm type);
CREATE TABLE floormaskdata
 fmd mask id
                         INTEGER REFERENCES floormask(fm id) NOT FOR REPLICATION,
                                                                                             -- floor/door mask id
 fmd floor num
                         SMALLINT,
                         CHAR(32) NOT NULL,
 site
                                                                                             -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 fmd_guid
                                                                                             -- Global unique record identifier
 fmd checksum
                         INTEGER NOT NULL.
                                                                                             -- Record checksum
 PRIMARY KEY
                         (fmd mask id,fmd floor num)
CREATE TABLE floormaskdata_save
  fmd mask id
                         INTEGER NOT NULL.
                                                                                         -- floor/door mask id
 fmd floor num
                         SMALLINT,
                         CHAR(32) NOT NULL,
 site
                                                                                         -- Site Name
 fmd_guid
                         uniqueidentifier NOT NULL,
                                                                                         -- Global unique record identifier
 fmd checksum
                         INTEGER NOT NULL,
                                                                                         -- Record checksum
 upd guid
                         uniqueidentifier NOT NULL,
                                                                                         -- Guid for update operation
                         SMALLINT NOT NULL,
                                                                                        -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
                                                                                         -- Date / Time of the update
 upd timestamp
                         DATETIME NOT NULL,
 upd_checksum
                         INTEGER NOT NULL,
                                                                                         -- Checksum
 upd_rowguid
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
                            UNIQUE NOT NULL,
                                                                                         -- Global unique record identifier
 PRIMARY KEY
                         (fmd_mask_id,fmd_floor_num, upd_mode desc, upd_guid)
);
CREATE TABLE floormask save
                         INTEGER NOT NULL,
                                                                                   -- partition ID to which this floor/door mask belongs to
 fm_partition
 fm_public
                         SMALLINT,
                                                                                   -1 = \text{public}, 0 = \text{private}
 fm id
                         INTEGER NOT NULL,
                                                                                   -- unique ID
 fm name
                         CHAR(32) NOT NULL,
                                                                                   -- mask name
 fm type
                         SMALLINT,
                                                                                   -- mask type, 1 = elevator, 2 = cabinet
                                                                                   -- Site Name
 site
                         CHAR(32) NOT NULL,
 fm guid
                         uniqueidentifier NOT NULL,
                                                                                   -- Global unique record identifier
 fm checksum
                         INTEGER NOT NULL,
                                                                                   -- Record checksum
```

```
upd guid
                         uniqueidentifier NOT NULL,
                                                                                  -- Guid for update operation
 upd mode
                         SMALLINT NOT NULL,
                                                                                  -- Update mode (0 - delete, 1 - edit, 2 - new)
                         DATETIME NOT NULL,
                                                                                  -- Date / Time of the update
 upd_timestamp
                         INTEGER NOT NULL,
 upd checksum
                                                                                  -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                           UNIQUE NOT NULL,
                                                                                  -- Global unique record identifier
 PRIMARY KEY
                         (fm_partition, fm_id, upd_mode desc, upd_guid)
CREATE TABLE floorname
 en_number
                            SMALLINT,
                                                                                       -- item number
                            SMALLINT,
                                                                                       -- item type, 1 = elevator, 2 = cabinet
 en_type
                            CHAR(32) NULL,
                                                                                       -- item name
 en name
 site
                            CHAR(32) NOT NULL,
                                                                                       -- Site Name
                            uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 en_guid
                                                                                       -- Global unique record identifier
 en checksum
                            INTEGER NOT NULL,
                                                                                       -- Record checksum
 PRIMARY KEY
                            (en_number, en_type, site)
 CREATE UNIQUE INDEX
                            en name type ON floorname (site, en name, en type);
CREATE TABLE floorname_save
                         SMALLINT,
 en_number
                                                                                     -- item number
                         SMALLINT.
                                                                                     -- item type, 1 = elevator, 2 = cabinet
 en_type
                         CHAR(32) NULL,
                                                                                     -- item name
 en name
                         CHAR(32) NOT NULL,
                                                                                     -- Site Name
 en_guid
                         uniqueidentifier NOT NULL,
                                                                                     -- Global unique record identifier
 en_checksum
                         INTEGER NOT NULL,
                                                                                     -- Record checksum
 upd guid
                         uniqueidentifier NOT NULL,
                                                                                     -- Guid for update operation
 upd mode
                         SMALLINT NOT NULL,
                                                                                     -- Update mode (0 - delete, 1 - edit, 2 - new)
                         DATETIME NOT NULL,
                                                                                     -- Date / Time of the update
 upd_timestamp
 upd_checksum
                         INTEGER NOT NULL,
                                                                                     -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                                     -- Global unique record identifier
 PRIMARY KEY
                         (en number, en type, site, upd mode desc, upd guid)
);
CREATE TABLE GenericText
 gt id
                            INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY,
                                                                                          -- unique database ID
                            SMALLINT NOT NULL,
 gt_type
                                                                                          -- unique type number
                            SMALLINT NOT NULL,
                                                                                          -- unique format number
 gt number
                            VARCHAR(64) NOT NULL,
                                                                                          -- custom card format name
 gt_name
                            VARCHAR(128),
 gt_description
                                                                                          -- custom card format description
                            VARCHAR(7800) NOT NULL,
                                                                                          -- card format image
 gt data
                            CHAR(32) NOT NULL,
 site
                                                                                          -- Site Name
                            uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                          -- Global unique record identifier
 gt_guid
 gt_checksum
                            INTEGER NOT NULL,
                                                                                          -- Record checksum
 CREATE UNIQUE INDEX
                            gt_number ON GenericText (site, gt_type, gt_number);
CREATE TABLE GenericText save
                         INTEGER NOT NULL,
 gt_id
                                                                                  -- unique database ID
 gt type
                         SMALLINT NOT NULL,
                                                                                  -- unique type number
 gt number
                         SMALLINT NOT NULL,
                                                                                  -- unique format number
```

VARCHAR(64) NOT NULL,

VARCHAR(7800) NOT NULL,

VARCHAR(128),

gt\_name

gt\_data

gt description

-- custom card format name -- custom card format description

-- card format image

```
CHAR(32) NOT NULL,
                                                                                -- Site Name
 site
 gt_guid
                         uniqueidentifier NOT NULL,
                                                                                -- Global unique record identifier
                                                                                -- Record checksum
 gt_checksum
                         INTEGER NOT NULL,
                                                                                -- Guid for update operation
                         uniqueidentifier NOT NULL,
 upd guid
                         SMALLINT NOT NULL,
                                                                                -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
 upd_timestamp
                         DATETIME NOT NULL,
                                                                                -- Date / Time of the update
 upd checksum
                         INTEGER NOT NULL,
                                                                                -- Checksum
                        uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                           UNIQUE NOT NULL,
                                                                                -- Global unique record identifier
 PRIMARY KEY
                        (gt id, upd mode desc, upd guid)
);
CREATE TABLE HIDAgTzCombination
                         INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
 hatc id
                                                                                -- unique database ID
 hatc_accgrp_id
                         INTEGER NOT NULL,
                                                                                 -- Access Group ID
                                                                                -- Timezone ID
 hatc_timezone_id
                         INTEGER NOT NULL,
                        CHAR(32) NOT NULL,
                                                                                -- Site Name
 site
 hate guid
                        uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                -- Global unique record identifier
                                                                                 -- Record checksum
 hatc checksum
                         INTEGER NOT NULL,
 PRIMARY KEY
                         (hatc id)
);
 CREATE INDEX
                        hate accgrp id ON HIDAgTzCombination (hate accgrp id);
 CREATE INDEX
                         hatc timezone id ON HIDAgTzCombination (hatc timezone id);
CREATE TABLE
                    HIDAgTzPanelRef
 hatpr_panel_id
                         INTEGER NOT NULL.
                         INTEGER NOT NULL,
 hatpr reference
                                                                                -- Identifies AG/TZ combination no panel
 hatpr accgrp id
                         INTEGER NOT NULL,
                                                                                 -- Access Group ID
 hatpr timezone id
                                                                                -- Timezone ID
                         INTEGER NOT NULL,
                                                                                -- Site Name
 site
                         CHAR(32) NOT NULL,
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                -- Global unique record identifier
 hatpr_guid
 hatpr checksum
                         INTEGER NOT NULL,
                                                                                -- Record checksum
 PRIMARY KEY
                         (hatpr panel id, hatpr reference)
 CREATE INDEX
                        hatpr_accgrp_id ON HIDAgTzPanelRef (hatpr_accgrp_id);
 CREATE INDEX
                        hatpr timezone id ON HIDAgTzPanelRef (hatpr timezone id);
CREATE TABLE HIDAgTzPanelRefMap
                         INTEGER NOT NULL,
 hatprm_panel_id
                                                                                -- Panel
                                                                                -- Identifies AG/TZ combination to panel
 hatprm_reference
                         SMALLINT NOT NULL,
                         INTEGER NOT NULL,
                                                                                 -- Access Group ID
 hatprm_accgrp_id
 hatprm accgrp enabled
                        SMALLINT NOT NULL,
                                                                                 -- Access Group Enable
                         INTEGER NOT NULL,
 hatprm_timezone_id
                                                                                -- Timezone ID
                        CHAR(32) NOT NULL,
                                                                                -- Site Name
 site
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                -- Global unique record identifier
 hatprm_guid
 hatprm checksum
                         INTEGER NOT NULL,
                                                                                 -- Record checksum
 PRIMARY KEY
                         (hatprm_panel_id, hatprm_reference)
 CREATE INDEX
                        hatprm_accgrp_id ON HIDAgTzPanelRefMap (hatprm_accgrp_id);
 CREATE INDEX
                        hatprm_timezone_id ON HIDAgTzPanelRefMap (hatprm_timezone_id);
CREATE TABLE HIDAgTzReference
 hatr_panel_id
                         INTEGER NOT NULL,
 hatr agtz panel ref
                        SMALLINT NOT NULL,
                                                                                -- Identifies AG/TZ combination to panel
                         INTEGER REFERENCES HIDAgTzCombination(hatc_id)
 hatr_agtz_combo_id
```

```
NOT FOR REPLICATION,
                                                                                    -- Identifies AG/TZ combo db entry
 site
                          CHAR(32) NOT NULL,
                                                                                    -- Site Name
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL.
                                                                                    -- Global unique record identifier
 hatr_guid
 hatr checksum
                          INTEGER NOT NULL,
                                                                                    -- Record checksum
 PRIMARY KEY (hatr_panel_id)
                          hatr_panel_id ON HIDAgTzReference (hatr_panel_id);
 CREATE INDEX
-- hatr_agtz_panel_ref used by query when finding next free reference
 CREATE INDEX
                          hatr agtz panel ref ON HIDAgTzReference (hatr agtz panel ref);
CREATE TABLE holiday
 ho_partition
                             INTEGER REFERENCES partition(part_number)
                                NOT FOR REPLICATION,
                                                                                           -- partition ID to which this holiday belongs
 ho_public
                                                                                           -1 = \text{public}, 0 = \text{private}
                             SMALLINT,
                             INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
 ho_id
                                                                                           -- unique ID for this holiday
 ho_name
                             CHAR(32) NOT NULL,
                                                                                           -- holiday name
                             DATETIME,
                                                                                           -- date of holiday
 ho_date
 ho_type
                             SMALLINT.
                                                                                           -- type 0, 1, or 2
                             CHAR(32) NOT NULL,
                                                                                           -- Site Name
 site
 ho guid
                             uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                           -- Global unique record identifier
 ho_checksum
                             INTEGER NOT NULL,
                                                                                           -- Record checksum
 PRIMARY KEY
                             ( ho_partition, ho_id )
);
 CREATE UNIQUE INDEX
                             ho part name ON holiday (site, ho partition, ho name);
 CREATE INDEX
                             ho public ON holiday ( ho public );
 CREATE UNIQUE INDEX
                             ho_site_name ON holiday (site, ho_name);
CREATE TABLE holiday_save
 ho partition
                          INTEGER NOT NULL,
                                                                             -- partition ID to which this holiday belongs
                                                                             -1 = \text{public}, 0 = \text{private}
 ho_public
                          SMALLINT,
                                                                             -- unique ID for this holiday
                          INTEGER NOT NULL,
 ho_id
 ho_name
                          CHAR(32) NOT NULL,
                                                                             -- holiday name
 ho date
                          DATETIME,
                                                                             -- date of holiday
 ho type
                          SMALLINT,
                                                                             -- type 0, 1, or 2
                          CHAR(32) NOT NULL,
                                                                             -- Site Name
 site
 ho_guid
                          uniqueidentifier NOT NULL,
                                                                             -- Global unique record identifier
 ho checksum
                          INTEGER NOT NULL,
                                                                             -- Record checksum
 upd guid
                          uniqueidentifier NOT NULL,
                                                                             -- Guid for update operation
                          SMALLINT NOT NULL,
                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
                                                                             -- Date / Time of the update
 upd timestamp
                          DATETIME NOT NULL,
 upd checksum
                          INTEGER NOT NULL,
                                                                             -- Checksum
 upd_rowguid
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
                            UNIQUE NOT NULL,
                                                                             -- Global unique record identifier
 PRIMARY KEY
                          ( ho_partition, ho_id, upd_mode desc, upd_guid )
);
CREATE TABLE hoursonsiteterminals
 host_zone_id
                          INTEGER REFERENCES hoursonsitezones(hosz_zone_id)
                            NOT FOR REPLICATION,
                                                                                                      -- unique database ID of zone
                          INTEGER REFERENCES terminal(tp_term_id) NOT FOR REPLICATION,
                                                                                                     -- terminal ID
 host term id
 host_entryexit
                          SMALLINT NOT NULL,
                                                                                                      -1 = \text{entry}, 0 = \text{exit}
                          CHAR(32) NOT NULL,
                                                                                                      -- Site Name
 site
 host_guid
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL.
                                                                                                      -- Global unique record identifier
 host_checksum
                          INTEGER NOT NULL,
                                                                                                      -- Record checksum
 PRIMARY KEY
                         (host zone id, host term id)
);
```

## CREATE TABLE hoursonsiteterminals\_save

host zone id INTEGER, host term id INTEGER. SMALLINT NOT NULL, host\_entryexit CHAR(32) NOT NULL, site uniqueidentifier NOT NULL, host guid INTEGER NOT NULL, host\_checksum uniqueidentifier NOT NULL, upd guid SMALLINT NOT NULL. upd mode DATETIME NOT NULL, upd timestamp upd checksum INTEGER NOT NULL,

upd\_rowguid uniqueidentifier ROWGUIDCOL DEFAULT newid()

UNIQUE NOT NULL,

PRIMARY KEY (host\_zone\_id, host\_term\_id, upd\_mode desc, upd\_guid)

);

#### -- unique database ID

- -- terminal ID
- -- 1 = entry, 0 = exit -- Site Name
- -- Global unique record identifier
- -- Record checksum
- -- Guid for update operation
- -- Update mode (0 delete, 1 edit, 2 new)
- -- Date / Time of the update
- -- Checksum
- -- Global unique record identifier

#### **CREATE TABLE** hoursonsitezones

hosz\_partition INTEGER REFERENCES partition(part\_number)

NOT FOR REPLICATION,

hosz public SMALLINT,

hosz\_zone\_id INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,

hosz\_zone\_name CHAR(32) NOT NULL, site CHAR(32) NOT NULL,

hosz\_guid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,

hosz\_checksum INTEGER NOT NULL, PRIMARY KEY (hosz\_partition, hosz\_zone\_id)

);

CREATE UNIQUE INDEX hosz\_site\_name ON hoursonsitezones (site, hosz\_zone\_name);

-- partition ID to which this area belongs -- 1 = area is public, 0 = area is private

- -- unique database ID -- Zone Name
- -- Site Name
- -- Global unique record identifier
- -- Record checksum

#### CREATE TABLE hoursonsitezones\_save

hosz\_partition INTEGER,
hosz\_public SMALLINT,
hosz\_zone\_id INTEGER,
hosz\_zone\_name CHAR(32) NOT NULL,
site CHAR(32) NOT NULL.

hosz\_guid uniqueidentifier NOT NULL,
hosz\_checksum INTEGER NOT NULL,
upd\_guid uniqueidentifier NOT NULL,
upd\_mode SMALLINT NOT NULL,
upd timestamp DATETIME NOT NULL,

upd\_checksum INTEGER NOT NULL, upd\_rowguid uniqueidentifier ROWGUIDCOL DEFAULT newid()

LINIOLIE NOT NULL

UNIQUE NOT NULL,

PRIMARY KEY ( hosz\_partition, hosz\_zone\_id, upd\_mode desc, upd\_guid)

);

- -- partition ID to which this area belongs -- 1 = area is public, 0 = area is private
- -- unique database ID -- Zone Name
- -- Site Name
- -- Global unique record identifier
- -- Record checksum
- -- Guid for update operation
- -- Update mode (0 delete, 1 edit, 2 new)
- -- Date / Time of the update
- -- Checksum
- -- Global unique record identifier

#### **CREATE TABLE** icon\_image

image\_id INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, image\_set\_id INTEGER REFERENCES icon\_image\_set(set\_id)

NOT FOR REPLICATION,

image\_state SMALLINT,

image\_data IMAGE,

site CHAR(32) NOT NULL,

image\_guid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,

image checksum INTEGER NOT NULL,

PRIMARY KEY (image id)

- -- unique ID for this icon image
- -- image set ID that this image is for
- -- state this icon displays (see paneldb.h, terminaldb.h, inputptdb.h, outputptdb.h)
- -- icon image data
- -- Site Name
- -- Global unique record identifier
- -- Record checksum

```
CREATE INDEX
                          image_set_id ON icon_image ( image_set_id );
CREATE TABLE icon_image_save
                          INTEGER NOT NULL,
                                                                                    -- unique ID for this icon image
 image id
 image_set_id
                          INTEGER NOT NULL,
                                                                                    -- image set ID that this image is for
 image state
                          SMALLINT,
                                                                                    -- state this icon displays (see paneldb.h, terminaldb.h,
                                                                                      inputptdb.h, outputptdb.h)
 image_data
                          IMAGE,
                                                                                    -- icon image data
                          CHAR(32) NOT NULL,
                                                                                    -- Site Name
 site
 image_guid
                          uniqueidentifier NOT NULL,
                                                                                    -- Global unique record identifier
 image_checksum
                          INTEGER NOT NULL,
                                                                                    -- Record checksum
                          uniqueidentifier NOT NULL,
                                                                                    -- Guid for update operation
 upd_guid
                          SMALLINT NOT NULL.
                                                                                    -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
 upd_timestamp
                          DATETIME NOT NULL,
                                                                                    -- Date / Time of the update
 upd_checksum
                          INTEGER NOT NULL,
                                                                                    -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                             UNIQUE NOT NULL,
                                                                                    -- Global unique record identifier
 PRIMARY KEY
                          (image id, upd mode desc, upd guid)
);
CREATE TABLE icon_image_set
                          INTEGER REFERENCES partition(part_number)
 set partition
                             NOT FOR REPLICATION,
                                                                                         -- partition ID to which this set belongs
 set_public
                          SMALLINT,
                                                                                         -1 = \text{public}, 0 = \text{private}
                          INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
 set_id
                                                                                         -- unique ID for this image set
 set name
                          CHAR(64) NOT NULL,
                                                                                         -- image set name
 set_type
                          SMALLINT,
                                                                                         -- image set type (see iconimagesetdb.h)
                          CHAR(32) NOT NULL,
                                                                                         -- Site Name
 site
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                         -- Global unique record identifier
 set guid
                          INTEGER NOT NULL,
                                                                                         -- Record checksum
 set\_checksum
 set default set
                          SMALLINT NOT NULL,
                                                                                         -- 1 = default image set
 PRIMARY KEY
                          ( set partition, set id )
 CREATE INDEX
                          set_public ON icon_image_set ( set_public );
CREATE TABLE icon_image_set_save
 set partition
                          INTEGER NOT NULL,
                                                                                        -- partition ID to which this set belongs
 set_public
                          SMALLINT,
                                                                                        -1 = \text{public}, 0 = \text{private}
                          INTEGER NOT NULL,
                                                                                        -- unique ID for this image set
 set id
 set_name
                          CHAR(64) NOT NULL,
                                                                                        -- image set name
                          SMALLINT,
 set_type
                                                                                        -- image set type (see iconimagesetdb.h)
                          CHAR(32) NOT NULL,
                                                                                        -- Site Name
 set guid
                          uniqueidentifier NOT NULL,
                                                                                        -- Global unique record identifier
 set checksum
                          INTEGER NOT NULL,
                                                                                        -- Record checksum
 upd_guid
                          uniqueidentifier NOT NULL,
                                                                                        -- Guid for update operation
 upd mode
                          SMALLINT NOT NULL,
                                                                                        -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                                        -- Date / Time of the update
 upd_timestamp
                          DATETIME NOT NULL,
 upd checksum
                          INTEGER NOT NULL,
                                                                                        -- Checksum
 upd_rowguid
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
                             UNIQUE NOT NULL,
                                                                                        -- Global unique record identifier
 set default set
                          SMALLINT NOT NULL,
                                                                                        -- 1 = default image set
 PRIMARY KEY
                          ( set_partition, set_id, upd_mode desc, upd_guid )
);
```

# CREATE TABLE icon\_overlay

```
overlay id
                       INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                           -- partition ID to which this icon belongs
icon_x_pos
                       SMALLINT,
                                                                                           -- map x position of this icon
                                                                                           -- map y position of this icon
                       SMALLINT,
icon_y_pos
                       INTEGER,
                                                                                           -- item ID that this icon represents
item_id
                       INTEGER REFERENCES map(map_id) NOT FOR REPLICATION,
                                                                                           -- map ID that contains this icon
icon_map_id
                       INTEGER REFERENCES icon_image_set(set_id)
set_id
                         NOT FOR REPLICATION,
                                                                                           -- icon image set ID for this icon
                       SMALLINT,
                                                                                           -- icon image set type 0-5
set_type
                       CHAR(255),
label
event 1
                       INTEGER NULL REFERENCES event(ev id) NOT FOR REPLICATION,
                       INTEGER NULL REFERENCES event(ev_id) NOT FOR REPLICATION,
event_2
                       INTEGER NULL REFERENCES event(ev_id) NOT FOR REPLICATION,
event_3
event 4
                       INTEGER NULL REFERENCES event(ev_id) NOT FOR REPLICATION,
event label 1
                       CHAR(32) NULL,
                       CHAR(32) NULL,
event_label_2
event label 3
                       CHAR(32) NULL,
event_label_4
                       CHAR(32) NULL,
                       CHAR(32) NOT NULL,
                                                                                           -- Site Name
site
guid
                       uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                           -- Global unique record identifier
checksum
                       INTEGER NOT NULL,
                                                                                           -- Record checksum
text_color
                       INTEGER NOT NULL,
text_bkgnd_color
                       INTEGER NOT NULL,
                       INTEGER NOT NULL.
text_position
text font
                       CHAR(64) NULL,
                       SMALLINT NULL,
text size
                       SMALLINT NULL,
text_weight
text italic
                       SMALLINT NULL,
PRIMARY KEY
                       (overlay id)
CREATE INDEX
                       item_id ON icon_overlay ( item_id );
CREATE INDEX
                       icon map id ON icon overlay (icon map id);
CREATE INDEX
                       set_type ON icon_overlay ( set_type );
```

## CREATE TABLE icon overlay save

	=	
(		
overlay_id	INTEGER NOT NULL,	partition ID to which this icon belongs
icon_x_pos	SMALLINT,	map x position of this icon
icon_y_pos	SMALLINT,	map y position of this icon
item_id	INTEGER,	item ID that this icon represents
icon_map_id	INTEGER NULL,	map ID that contains this icon
set_id	INTEGER NULL,	icon image set ID for this icon
set_type	SMALLINT,	icon image set type 0-5
label	CHAR(255),	
event_1	INTEGER NULL,	
event_2	INTEGER NULL,	
event_3	INTEGER NULL,	
event_4	INTEGER NULL,	
event_label_1	CHAR(32) NULL,	
event_label_2	CHAR(32) NULL,	
event_label_3	CHAR(32) NULL,	
event_label_4	CHAR(32) NULL,	
site	CHAR(32) NOT NULL,	Site Name
guid	uniqueidentifier NOT NULL,	Global unique record identifier
checksum	INTEGER NOT NULL,	Record checksum
upd_guid	uniqueidentifier NOT NULL,	Guid for update operation
upd_mode	SMALLINT NOT NULL,	Update mode (0 - delete, 1 - edit, 2 - new)
upd_timestamp	DATETIME NOT NULL,	Date / Time of the update
upd_checksum	INTEGER NOT NULL,	Checksum
upd_rowguid	uniqueidentifier ROWGUIDCOL DEFAULT newid()	
	UNIQUE NOT NULL,	Global unique record identifier
text_color	INTEGER NULL,	

```
text bkgnd color
                       INTEGER NULL,
text_position
                       INTEGER NULL,
text_font
                       CHAR(64) NULL,
text\_size
                       SMALLINT NULL,
                       SMALLINT NULL,
text_weight
text_italic
                       SMALLINT NULL,
PRIMARY KEY
                       ( overlay_id, upd_mode desc, upd_guid )
```

#### CREATE TABLE idbadge

ib\_partition INTEGER REFERENCES partition(part\_number) NOT FOR REPLICATION, -- partition ID to which this badge belongs -1 = public, 0 = privateib\_public SMALLINT, VARCHAR(100) NOT NULL, -- badge number ib number str ib\_cardholder\_id INTEGER REFERENCES cardholder(c\_id) NOT FOR REPLICATION, -- cardholder ID that has this badge ib\_alpha CHAR(4) NULL, -- alpha field of badge ib\_issue SMALLINT, -- issue level of badge ib\_description CHAR(64) NULL, -- user entered description ib disabled -1 = disabled, 0 = activeSMALLINT, ib start timestamp DATETIME, -- start timestamp DATETIME,  $ib\_exp\_timestamp$ -- expiration timestamp CHAR(32) NULL, ib\_reason -- reason for badge issue ib\_design INTEGER NULL REFERENCES badgelayout(bl\_id) NOT FOR REPLICATION, -- badge design ID site CHAR(32) NOT NULL, -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, ib\_guid -- Global unique record identifier ib\_checksum -- Record checksum INTEGER NOT NULL, ib\_purpose uniqueidentifier REFERENCES badgepurpose(bp\_guid) NOT FOR REPLICATION, ib\_data\_style --0 = normal, 1 = FASCNSMALLINT NOT NULL, ib operator CHAR(32), -- Operator that last modified record ib edit time DATETIME, -- Time this record was last edited PRIMARY KEY ( ib\_number\_str, ib\_cardholder\_id ) CREATE INDEX ib\_partition ON idbadge ( ib\_partition ); CREATE INDEX ib\_public ON idbadge ( ib\_public );

## CREATE TABLE idbadge save

(			
	ib_partition	INTEGER NOT NULL,	partition ID to which this badge belongs
	ib_public	SMALLINT,	-1 = public, 0 = private
	ib_number_str	VARCHAR(100) NOT NULL,	badge number
	ib_cardholder_id	INTEGER NOT NULL,	cardholder ID that has this badge
	ib_alpha	CHAR(4) NULL,	alpha field of badge
	ib_issue	SMALLINT,	issue level of badge
	ib_description	CHAR(64) NULL,	user entered description
	ib_disabled	SMALLINT,	-1 = disabled, $0 = $ active
	ib_start_timestamp	DATETIME,	start timestamp
	ib_exp_timestamp	DATETIME,	expiration timestamp
	ib_reason	CHAR(32) NULL,	reason for badge issue
	ib_design	INTEGER NULL,	badge design ID
	site	CHAR(32) NOT NULL,	Site Name
	ib_guid	uniqueidentifier NOT NULL,	Global unique record identifier
	ib_checksum	INTEGER NOT NULL,	Record checksum
	upd_guid	uniqueidentifier NOT NULL,	Guid for update operation
	upd_mode	SMALLINT NOT NULL,	Update mode (0 - delete, 1 - edit, 2 - new)
	upd_timestamp	DATETIME NOT NULL,	Date / Time of the update
	upd_checksum	INTEGER NOT NULL,	Checksum
	upd_rowguid	uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL,	Global unique record identifier
	ib_purpose	uniqueidentifier NULL,	
	ib_data_style	SMALLINT NOT NULL,	0 = normal, 1 = FASCN

```
ib operator
                         CHAR(32),
                                                                                             -- Operator that last modified record
 ib edit time
                         DATETIME,
                                                                                             -- Time this record was last edited
 PRIMARY KEY
                         ( ib number str, ib cardholder id, upd mode desc, upd guid )
);
CREATE TABLE [dbo].[IDSequences]
  [SeqName]
                         [char] (10) NULL,
                         [int] NULL.
 [ID]
                         CHAR(32) NOT NULL,
                                                                                      -- Site Name
 site
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                      -- Global unique record identifier
 guid
                         INTEGER NOT NULL,
 checksum
                                                                                      -- Record checksum
 ) ON [PRIMARY]
CREATE TABLE [IDSequences_save]
 [SeqName]
                         [char] (10) NULL,
                         [int] NULL.
 [ID]
 site
                         CHAR(32) NOT NULL,
                                                                                      -- Site Name
                         uniqueidentifier NOT NULL,
                                                                                      -- Global unique record identifier
 guid
 checksum
                         INTEGER NOT NULL,
                                                                                      -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                                      -- Guid for update operation
 upd_mode
                         SMALLINT NOT NULL,
                                                                                      -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                                      -- Date / Time of the update
                         DATETIME NOT NULL.
 upd timestamp
 upd checksum
                         INTEGER NOT NULL,
                                                                                      -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                                      -- Global unique record identifier
 PRIMARY KEY
                         (guid, upd_mode desc, upd_guid)
) ON [PRIMARY]
CREATE TABLE igdata
  ig_group_id
                         INTEGER REFERENCES inputgrp(ip_group_id) NOT FOR REPLICATION,
                                                                                                 -- input group ID
 ig_inputpt id
                         INTEGER REFERENCES input(ip point id) NOT FOR REPLICATION,
                                                                                                 -- input point ID
 site
                         CHAR(32) NOT NULL,
                                                                                                 -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                                 -- Global unique record identifier
 ig_guid
 ig checksum
                         INTEGER NOT NULL,
                                                                                                 -- Record checksum
 PRIMARY KEY
                         ( ig_group_id, ig_inputpt_id )
);
CREATE TABLE igdata_save
 ig_group_id
                         INTEGER.
                                                                                             -- input group ID
 ig_inputpt id
                         INTEGER,
                                                                                             -- input point ID
                         CHAR(32) NOT NULL,
                                                                                             -- Site Name
                         uniqueidentifier NOT NULL,
                                                                                             -- Global unique record identifier
 ig guid
 ig_checksum
                         INTEGER NOT NULL,
                                                                                             -- Record checksum
                         uniqueidentifier NOT NULL,
 upd guid
                                                                                             -- Guid for update operation
 upd mode
                         SMALLINT NOT NULL,
                                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                         DATETIME NOT NULL,
                                                                                             -- Date / Time of the update
 upd checksum
                         INTEGER NOT NULL,
                                                                                             -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd rowguid
 PRIMARY KEY
                         ( ig_group_id, ig_inputpt_id, upd_mode desc, upd_guid )
);
```

#### **CREATE TABLE** imagerecallfilter partition INTEGER REFERENCES partition(part number) NOT FOR REPLICATION, -- partition ID to which this filter belongs -1 = public, 0 = privateSMALLINT, public\_flag INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, -- unique ID for this filter id CHAR(32) NOT NULL, -- filter name name access\_grant SMALLINT, -- 1 = display upon access grant any\_deny SMALLINT, -- 1 = display upon access deny invalid card SMALLINT. -- 1 = display upon invalid card invalid issue SMALLINT, -- 1 = display upon invalid issue invalid pin SMALLINT, -- 1 = display upon invalid pin -- 1 = display upon antipassback antipassback SMALLINT, $card\_tz$ SMALLINT, -- 1 = display upon invalid card timezone invalid reader SMALLINT, -- 1 = display upon invalid reader all terminals SMALLINT, -- 1 = display for any terminal all\_term\_grps SMALLINT, -- 1 = display for any terminal group INTEGER REFERENCES terminal(tp\_term\_id) NOT FOR REPLICATION, terminal -- terminal ID to display for INTEGER REFERENCES termgrp(tg\_id) NOT FOR REPLICATION, -- terminal group ID to display for term\_group -- Site Name site CHAR(32) NOT NULL, uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier guid checksum INTEGER NOT NULL, -- Record checksum access\_duress SMALLINT, -- 1 = display upon access duress grant PRIMARY KEY ( partition, id ) CREATE INDEX name ON imagerecallfilter ( name );

## CREATE TABLE imagerecallfilter save

CILLAIL IABLE	illagerecalliliter_save	
(		
partition	INTEGER NOT NULL,	partition ID to which this filter belongs
public_flag	SMALLINT,	-1 = public, 0 = private
id	INTEGER NOT NULL,	unique ID for this filter
name	CHAR(32) NOT NULL,	filter name
access_grant	SMALLINT,	1 = display upon access grant
any_deny	SMALLINT,	1 = display upon access deny
invalid_card	SMALLINT,	1 = display upon invalid card
invalid_issue	SMALLINT,	1 = display upon invalid issue
invalid_pin	SMALLINT,	1 = display upon invalid pin
antipassback	SMALLINT,	1 = display upon antipassback
card_tz	SMALLINT,	1 = display upon invalid card timezone
invalid_reader	SMALLINT,	1 = display upon invalid reader
all_terminals	SMALLINT,	1 = display for any terminal
all_term_grps	SMALLINT,	1 = display for any terminal group
terminal	INTEGER,	terminal ID to display for
term_group	INTEGER,	terminal group ID to display for
site	CHAR(32) NOT NULL,	Site Name
guid	uniqueidentifier NOT NULL,	<ul> <li>Global unique record identifier</li> </ul>
checksum	INTEGER NOT NULL,	Record checksum
upd_guid	uniqueidentifier NOT NULL,	<ul> <li>Guid for update operation</li> </ul>
upd_mode	SMALLINT NOT NULL,	Update mode (0 - delete, 1 - edit, 2 - new)
upd_timestamp	DATETIME NOT NULL,	Date / Time of the update
upd_checksum	INTEGER NOT NULL,	Checksum
upd_rowguid	uniqueidentifier ROWGUIDCOL DEFAULT newid()	
	UNIQUE NOT NULL,	<ul> <li>Global unique record identifier</li> </ul>
access_duress	SMALLINT,	1 = display upon access duress grant
PRIMARY KEY	( partition, id, upd_mode desc, upd_guid )	
);		

#### **CREATE TABLE** input

ip\_partition INTEGER REFERENCES partition(part\_number) NOT FOR REPLICATION,

-- ID of partition for this input

```
ip public
                          SMALLINT,
                                                                                      -- publication
 ip_point_id
                          INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                      -- Unique database ID of input point
 ip_point_name
                          varchar(32).
                                                                                      -- name of input point
 ip_point_number
                          SMALLINT,
                                                                                      -- input number
                          INTEGER NULL REFERENCES terminal(tp_term_id)
 ip_term_id
                            NOT FOR REPLICATION,
                                                                                      -- terminal ID that has this input, is null if this is a
                                                                                      -- panel soft input, if null then ip_panel_id is used
                          INTEGER NULL REFERENCES panel(p_panel_id)
 ip_panel_id
                             NOT FOR REPLICATION,
                                                                                      -- panel ID of this input, is used only for panel soft
                                                                                        inputs -- this is null if ip term id is used -- only
                                                                                        1 of these fields can be used for any given input point
                          SMALLINT,
 ip_state
                                                                                      -- input state
                          SMALLINT,
                                                                                      -- input enable
 ip_enable_flag
 ip_query_string
                          CHAR(64).
                                                                                      -- query string enter by user
 ip soft input
                          SMALLINT,
                                                                                      -1 = soft input, 0 = hardware input
                          INTEGER NULL REFERENCES timezone(tz_id)
 ip suppress tz
                            NOT FOR REPLICATION,
                                                                                      -- timezone ID when input suppressed (always active
                                                                                        if NULL)
                          CHAR(32) NOT NULL,
 site
                                                                                      -- Site Name
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                      -- Global unique record identifier
 ip guid
 ip_checksum
                          INTEGER NOT NULL,
                                                                                      -- Record checksum
 PRIMARY KEY
                          ( ip_partition, ip_point_id )
                               ip public ON input(ip_public);
 CREATE INDEX
 CREATE INDEX
                               ip term id ON input (ip term id);
 CREATE UNIQUE INDEX
                               ip_term_panel_num ON input ( ip_term_id, ip_panel_id, ip_point_number );
 CREATE UNIQUE INDEX
                               ip_site_point_name ON input ( site,ip_point_name );
CREATE TABLE Input2CamInfo
                          INTEGER IDENTITY NOT FOR REPLICATION,
 i2c id
                          INTEGER NULL REFERENCES input(ip_point_id),
 i2c input point id
 i2c Partition
                          INTEGER NOT NULL REFERENCES partition(part_number),
                                                                                               -- Partition ID to which this mapping belongs
 i2c Public
                          INTEGER NOT NULL,
                                                                                               -1 = \text{public}, 0 = \text{private}
 i2c terminal id
                          INTEGER NULL REFERENCES terminal(tp term id),
 i2c description
                          VARCHAR(256) NOT NULL,
                          INTEGER NOT NULL REFERENCES AVChannel(CCH ID),
 i2c channel id
 i2c_preset_id
                          INTEGER NULL REFERENCES AVPreset(CAP_ID),
 site
                          CHAR(32) NOT NULL,
                                                                                               -- Site Name
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
 i2c_guid
                            UNIQUE NOT NULL,
                                                                                               -- Global unique record identifier
                                                                                               -- Record checksum
 i2c checksum
                          INTEGER NOT NULL,
 PRIMARY KEY
                          ( i2c_id )
 CREATE INDEX
                          i2c_input_point_id ON Input2CamInfo(i2c_input_point_id);
 CREATE INDEX
                          i2c_terminal_id ON Input2CamInfo(i2c_terminal_id);
CREATE TABLE dbo.Input2CamInfo save
  i2c_id int NOT NULL,
 i2c Partition
                          INTEGER NOT NULL,
                                                                                        -- Partition ID to which this mapping belongs
 i2c Public
                          INTEGER NOT NULL,
                                                                                        -1 = \text{public}, 0 = \text{private}
 i2c_input_point_id
                          int NULL.
 i2c terminal id
                          int NULL,
                          VARCHAR(256) NULL,
 i2c_description
 i2c_channel_id
                          int NULL,
 i2c_preset_id
                          int NULL,
                          char (32) NOT NULL.
 site
 i2c guid
                          uniqueidentifier NOT NULL,
 i2c_checksum
                          int NOT NULL,
                          uniqueidentifier NOT NULL,
                                                                                        -- Guid for update operation
 upd_guid
 upd_mode
                          SMALLINT NOT NULL,
                                                                                        -- Update mode (0 - delete, 1 - edit, 2 - new)
```

```
upd timestamp
                         DATETIME NOT NULL,
                                                                                       -- Date / Time of the update
 upd checksum
                         INTEGER NOT NULL,
                                                                                       -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                                       -- Global unique record identifier
 PRIMARY KEY
                          (i2c_id, upd_mode desc, upd_guid)
CREATE TABLE inputgrp
                          INTEGER REFERENCES partition(part_number)
 ip_group_partition
                           NOT FOR REPLICATION,
                                                                                                -- partition ID to which this group belongs
 ip_group_public
                          SMALLINT,
                                                                                                -1 = public, 0 = private
                          INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                                -- unique ID for this group
 ip_group_id
                                                                                                -- group name
 ip_group_name
                         CHAR(32) NOT NULL,
 ip\_group\_panel\_id
                          INTEGER REFERENCES panel(p_panel_id) NOT FOR REPLICATION,
                                                                                                -- panel ID to which this group belongs
 ip_group_index
                          SMALLINT,
                                                                                                -- panel index of group (1-598)
                          CHAR(32) NOT NULL,
                                                                                                -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                                -- Global unique record identifier
 ip_group_guid
 ip_group_checksum
                          INTEGER NOT NULL,
                                                                                                -- Record checksum
 PRIMARY KEY
                         (ip group partition, ip group id)
  CREATE INDEX
                              ip_group_public ON inputgrp ( ip_group_public );
 CREATE INDEX
                              ip_group_panel_id ON inputgrp ( ip_group_panel_id);
 CREATE INDEX
                              ip_group_index ON inputgrp ( ip_group_index);
 CREATE UNIQUE INDEX
                              ip_site_name ON inputgrp (site, ip_group_name);
CREATE TABLE inputgrp_save
                                                                                       -- partition ID to which this group belongs
 ip_group_partition
                          INTEGER NOT NULL.
 ip group public
                          SMALLINT,
                                                                                       -1 = \text{public}, 0 = \text{private}
                          INTEGER NOT NULL,
                                                                                       -- unique ID for this group
 ip group id
                          CHAR(32) NOT NULL,
 ip_group_name
                                                                                       -- group name
 ip\_group\_panel\_id
                          INTEGER,
                                                                                       -- panel ID to which this group belongs
                          SMALLINT.
                                                                                       -- panel index of group (1-598)
 ip_group_index
                          CHAR(32) NOT NULL,
                                                                                       -- Site Name
 ip group guid
                          uniqueidentifier NOT NULL,
                                                                                       -- Global unique record identifier
 ip_group_checksum
                         INTEGER NOT NULL,
                                                                                       -- Record checksum
                                                                                       -- Guid for update operation
 upd_guid
                         uniqueidentifier NOT NULL,
 upd mode
                         SMALLINT NOT NULL,
                                                                                       -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                                       -- Date / Time of the update
 upd timestamp
                          DATETIME NOT NULL,
                          INTEGER NOT NULL,
                                                                                       -- Checksum
 upd_checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd rowguid
                                                                                       -- Global unique record identifier
                           UNIQUE NOT NULL,
 PRIMARY KEY
                         ( ip_group_partition, ip_group_id, upd_mode desc, upd_guid)
);
CREATE TABLE input_status
                          INTEGER REFERENCES input(ip_point_id) NOT FOR REPLICATION,
                                                                                               -- input ID to which this status belongs
 ipstat_point_id
 ipstat status
                         SMALLINT NOT NULL,
                                                                                               -- current state for input (set by comms)
 ipstat_timestamp
                          DATETIME NOT NULL,
                                                                                               -- time of last current state (set by comms)
 site
                         CHAR(32) NOT NULL,
                                                                                               -- Site Name
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                               -- Global unique record identifier
 ipstat_guid
 ipstat_checksum
                          INTEGER NOT NULL,
                                                                                               -- Record checksum
 PRIMARY KEY
                         (ipstat_point_id)
CREATE TABLE input ck
 ip_id
                          INTEGER REFERENCES input(ip_point_id) NOT FOR REPLICATION,
                                                                                                -- Unique database ID of input
```

```
SMALLINT,
                                                                                                -- 1 = alarm delay enabled
 ip delay enable
 ip_relay_flag
                          SMALLINT,
                                                                                                -1 = set panel relay when active
 ip_link_type
                          SMALLINT.
                                                                                                -- I/O link type (0-7)
                          INTEGER NULL REFERENCES outputgrp(op_group_id)
 ip_in_out_link_grp
                            NOT FOR REPLICATION,
                                                                                                -- I/O link output group ID
 ip_exit_delay
                          SMALLINT,
                                                                                                -- entry/exit delay in secs (0-600)
                          CHAR(32) NOT NULL,
 site
                                                                                                -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 ip_guid
                                                                                                -- Global unique record identifier
                                                                                                -- Record checksum
 ip checksum
                          INTEGER NOT NULL,
 PRIMARY KEY
                         (ip id)
CREATE TABLE input_ck_save
                          INTEGER NOT NULL,
 ip_id
                                                                                       -- Unique database ID of input
 ip_delay_enable
                          SMALLINT,
                                                                                       -- 1 = alarm delay enabled
 ip_relay_flag
                          SMALLINT,
                                                                                       -1 = set panel relay when active
                                                                                       -- I/O link type (0-7)
                          SMALLINT.
 ip_link_type
 ip_in_out_link_grp
                          INTEGER NULL,
                                                                                       -- I/O link output group ID
                                                                                       -- entry/exit delay in secs (0-600)
 ip exit delay
                          SMALLINT,
 site
                          CHAR(32) NOT NULL,
                                                                                       -- Site Name
                          uniqueidentifier NOT NULL,
                                                                                       -- Global unique record identifier
 ip_guid
                          INTEGER NOT NULL,
                                                                                       -- Record checksum
 ip_checksum
 upd guid
                          uniqueidentifier NOT NULL,
                                                                                       -- Guid for update operation
 upd mode
                          SMALLINT NOT NULL,
                                                                                       -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                          DATETIME NOT NULL,
                                                                                       -- Date / Time of the update
 upd_checksum
                          INTEGER NOT NULL,
                                                                                       -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                                       -- Global unique record identifier
 PRIMARY KEY
                          (ip id, upd mode desc, upd guid)
):
CREATE TABLE input hid
 ipphid input id
                                 INTEGER REFERENCES input(ip point id)
                                   NOT FOR REPLICATION,
                                                                                       -- ID of input
                                 SMALLINT NOT NULL,
                                                                                       -- The debounce time in milliseconds
 ipphid debounce millisec
                                 SMALLINT NOT NULL.
 ipphid_a_to_d_hrul
                                                                                       -- The High Range Upper Limit of A/D ranges
 ipphid a to d hrll
                                 SMALLINT NOT NULL,
                                                                                       -- The High Range Lower Limit of A/D ranges
 ipphid a to d lrul
                                 SMALLINT NOT NULL,
                                                                                       -- The Low Range Upper Limit of A/D ranges
                                 SMALLINT NOT NULL,
                                                                                       -- The Low Range Lower Limit of A/D ranges
 ipphid_a_to_d_lrll
 ipphid report state change
                                 SMALLINT NOT NULL,
                                                                                       -- 1 = Report state changes to host
                                 CHAR(32) NOT NULL,
                                                                                       -- Site Name
 site
 ipphid_guid
                                 uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                       -- Global unique record identifier
 ipphid checksum
                                 INTEGER NOT NULL,
                                                                                       -- Record checksum
 PRIMARY KEY
                                 ( ipphid_input_id )
CREATE TABLE input hid save
  ipphid_input_id
                                 INTEGER NOT NULL,
                                                                                       -- ID of input
 ipphid debounce millisec
                                 SMALLINT NOT NULL,
                                                                                       -- The debounce time in milliseconds
 ipphid_a_to_d_hrul
                                 SMALLINT NOT NULL.
                                                                                       -- The High Range Upper Limit of A/D ranges
 ipphid_a_to_d_hrll
                                 SMALLINT NOT NULL,
                                                                                       -- The High Range Lower Limit of A/D ranges
 ipphid_a_to_d_lrul
                                 SMALLINT NOT NULL,
                                                                                       -- The Low Range Upper Limit of A/D ranges
 ipphid_a_to_d_lrll
                                 SMALLINT NOT NULL,
                                                                                       -- The Low Range Lower Limit of A/D ranges
                                                                                       -- 1 = Report state changes to host
 ipphid_report_state_change
                                 SMALLINT NOT NULL,
                                                                                       -- Site Name
                                 CHAR(32) NOT NULL,
 site
 ipphid guid
                                 uniqueidentifier NOT NULL,
                                                                                       -- Global unique record identifier
 ipphid_checksum
                                 INTEGER NOT NULL,
                                                                                       -- Record checksum
 upd_guid
                                 uniqueidentifier NOT NULL,
                                                                                       -- Guid for update operation
```

```
upd mode
                                SMALLINT NOT NULL,
                                                                                      -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                                DATETIME NOT NULL,
                                                                                      -- Date / Time of the update
 upd_checksum
                                INTEGER NOT NULL,
                                                                                      -- Checksum
 upd rowguid
                                uniqueidentifier ROWGUIDCOL DEFAULT newid()
                                   UNIQUE NOT NULL,
                                                                                      -- Global unique record identifier
 PRIMARY KEY
                                ( ipphid_input_id, upd_mode desc, upd_guid )
);
CREATE TABLE input p900
                         INTEGER REFERENCES input(ip_point_id)
 ipp_id
                            NOT FOR REPLICATION,
                                                                                      -- Unique database ID of input
                         SMALLINT NOT NULL,
                                                                                      -- report priority -0: none, 1: alarm, 2: transact.
 ipp_report
                         SMALLINT NOT NULL,
                                                                                      -- monitering tamper or not,
 ipp_monitor_tamper
 ipp monitor input
                         SMALLINT NOT NULL,
                                                                                      -- monitering input or not,
 ipp_shunt_reader
                         INTEGER NULL REFERENCES terminal(tp_term_id)
                            NOT FOR REPLICATION,
                                                                                      -- shunt monitoring reader id for this panel
 ipp_shunt_event
                         SMALLINT,
                                                                                      -- shunt event
                                                                                      -- Site Name
                         CHAR(32) NOT NULL,
 site
 ipp_guid
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                      -- Global unique record identifier
 ipp checksum
                         INTEGER NOT NULL,
                                                                                      -- Record checksum
 PRIMARY KEY
                         (ipp_id)
);
CREATE TABLE input p900 save
 ipp_id
                         INTEGER NOT NULL,
                                                                                           -- Unique database ID of input
                         SMALLINT NOT NULL,
                                                                                           -- report priority -0: none, 1: alarm, 2: transact.
 ipp_report
 ipp_monitor_tamper
                         SMALLINT NOT NULL,
                                                                                           -- monitering tamper or not,
 ipp monitor input
                         SMALLINT NOT NULL,
                                                                                           -- monitering input or not,
 ipp shunt reader
                         INTEGER NULL,
                                                                                           -- shunt monitoring reader id for this panel
 ipp_shunt_event
                         SMALLINT,
                                                                                           -- shunt event
                         CHAR(32) NOT NULL,
 site
                                                                                           -- Site Name
                         uniqueidentifier NOT NULL,
                                                                                           -- Global unique record identifier
 ipp_guid
 ipp_checksum
                         INTEGER NOT NULL,
                                                                                           -- Record checksum
 upd guid
                         uniqueidentifier NOT NULL,
                                                                                           -- Guid for update operation
                         SMALLINT NOT NULL,
                                                                                           -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
 upd_timestamp
                         DATETIME NOT NULL,
                                                                                           -- Date / Time of the update
 upd checksum
                         INTEGER NOT NULL,
                                                                                           -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd rowguid
                                                                                           -- Global unique record identifier
                            UNIQUE NOT NULL,
 PRIMARY KEY
                         (ipp id, upd mode desc, upd guid)
);
CREATE TABLE input s321ip
                               INTEGER REFERENCES input(ip_point_id) NOT FOR REPLICATION,
  ipps321ip_input_id
                                                                                                     -- ID of input
 ipps321ip_input_debounce
                               SMALLINT NOT NULL,
                                                                                                    -- The debounce time 40 - 800 msec
 ipps321ip_output_link
                               SMALLINT NOT NULL,
                                                                                                    -- Output to follow 0 - 32 (0 = none)
                               CHAR(32) NOT NULL,
                                                                                                     -- Site Name
                               uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL
 ipps321ip_guid
                                                                                                    -- Global unique record identifier
 ipps 321 ip\_check sum
                               INTEGER NOT NULL,
                                                                                                    -- Record checksum
 PRIMARY KEY
                               (ipps321ip_input_id)
);
CREATE TABLE input_s321ip_save
                                INTEGER NOT NULL,
 ipps321ip_input_id
                                                                                              -- ID of input
 ipps321ip input debounce
                                SMALLINT NOT NULL,
                                                                                              -- The debounce time 40 - 800 msec
 ipps321ip_output_link
                                SMALLINT NOT NULL,
                                                                                              -- Output to follow 0 - 32 (0 = none)
```

CHAR(32) NOT NULL, -- Site Name ipps321ip\_guid uniqueidentifier NOT NULL, -- Global unique record identifier ipps321ip\_checksum INTEGER NOT NULL, -- Record checksum upd guid uniqueidentifier NOT NULL, -- Guid for update operation upd mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) upd\_timestamp DATETIME NOT NULL, -- Date / Time of the update -- Checksum INTEGER NOT NULL, upd checksum uniqueidentifier ROWGUIDCOL DEFAULT newid() upd\_rowguid UNIQUE NOT NULL, -- Global unique record identifier ( ipps321ip\_input\_id, upd\_mode desc, upd\_guid ) PRIMARY KEY **CREATE TABLE** input save ip\_partition INTEGER NOT NULL, -- ID of partition for this input ip\_public SMALLINT, -- publication INTEGER NOT NULL, -- Unique database ID of input point ip point id -- name of input point ip\_point\_name varchar(32), ip point number SMALLINT. -- input number INTEGER NULL, -- terminal ID that has this input, is null if this is a panel soft ip term id input, if null then ip panel id is used INTEGER NULL, -- panel ID of this input, is used only for panel soft inputs ip\_panel\_id -- this is null if ip\_term\_id is used-- only 1 of these fields -- can be used for any given input point SMALLINT, -- input state ip state ip enable flag SMALLINT, -- input enable -- query string enter by user ip\_query\_string CHAR(64), -1 =soft input, 0 =hardware input SMALLINT. ip\_soft\_input ip\_suppress\_tz INTEGER NULL, -- timezone ID when input suppressed (always active if NULL) site CHAR(32) NOT NULL, -- Site Name -- Global unique record identifier ip\_guid uniqueidentifier NOT NULL, ip checksum INTEGER NOT NULL, -- Record checksum -- ip disp alarm is valid upd\_guid uniqueidentifier NOT NULL, -- Guid for update operation upd mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) upd timestamp DATETIME NOT NULL, -- Date / Time of the update upd checksum INTEGER NOT NULL, -- Checksum uniqueidentifier ROWGUIDCOL DEFAULT newid() upd rowguid UNIQUE NOT NULL, -- Global unique record identifier PRIMARY KEY (ip partition, ip point id, upd mode desc, upd guid) **CREATE TABLE** IntegrationComponent igc name VARCHAR(32) NOT NULL, -- user entered name igc partition INTEGER REFERENCES partition(part number) -- partition ID to which this integration component belongs NOT FOR REPLICATION, -1 = public, 0 = private SMALLINT. igc\_public INTEGER IDENTITY NOT FOR igc\_id REPLICATION UNIQUE, -- unique database ID igc\_query\_string CHAR(64) NULL, -- query string entered by user SMALLINT NOT NULL, igc\_type -- IntegrationComponent type -0 =no change, 1 =set down, 2 =set unknown SMALLINT NOT NULL, igc\_set\_children\_when\_down igc\_ip\_addr CHAR(16) NULL, -- IP address, if used

-- Computer Name, if used

-- Site Name

-- Record checksum

-- password for connection

-- Network port number, if used

-- Global unique record identifier

-- RS232 /485 Comms port number, if used

-- RS232 /485 Comms parameters, if used

igc computer name

igc\_comms\_port
igc\_comms\_parameters

igc\_port

igc guid

igc\_checksum

igc\_username

site

CHAR(64) NULL,

NOT NULL,

VARCHAR(32) NULL,

CHAR(32) NOT NULL.

INTEGER NOT NULL,

VARCHAR(32) NULL,

uniqueidentifier ROWGUIDCOL UNIQUE

INT NULL,

INT NULL,

```
igc password 0
                              INTEGER NULL,
                                                                              -- encrypted password data
 igc_password_1
                              INTEGER NULL,
                                                                              -- encrypted password data
 igc_password_2
                              INTEGER NULL,
                                                                              -- encrypted password data
 igc_password 3
                              INTEGER NULL,
                                                                              -- encrypted password data
 PRIMARY KEY
                              (igc_id)
 CREATE INDEX
                                igc name ON IntegrationComponent( igc name );
 CREATE UNIQUE INDEX
                                igc_site_name ON IntegrationComponent( site, igc_name );
CREATE TABLE IntegrationComponentStatus
  igcs_id
                         INTEGER REFERENCES IntegrationComponent(igc_id)
                           NOT FOR REPLICATION,
                         SMALLINT NOT NULL,
                                                                             -- Set by related comms (see IntegrationComponentsStatus.h)
 igcs_status
                                                                             -- Reported version string
 igcs reported version
                         VARCHAR(32) NULL,
                         DATETIME NOT NULL,
                                                                             -- When status set
 igcs_status_time
 igcs_last_comms_time
                         DATETIME NULL,
                                                                             -- Last communications time
 site
                        CHAR(32) NOT NULL,
                                                                             -- Site Name
 igcs_guid
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                             -- Global unique record identifier
 igcs checksum
                         INTEGER NOT NULL,
                                                                             -- Record checksum
 PRIMARY KEY
                         (igcs id)
);
CREATE TABLE IntegrationComponent assaabloy dsr
                         INTEGER REFERENCES IntegrationComponent(igc id) NOT FOR REPLICATION NOT NULL,
 [dsr igc id]
 [dsr_encryption]
                         SMALLINT NULL,
                         CHAR(32) NOT NULL.
 site
                         [uniqueidentifier] ROWGUIDCOL PRIMARY KEY DEFAULT newid() NOT NULL,
 [dsr_guid]
 [dsr_checksum]
                         [int] NOT NULL,
CREATE TABLE IntegrationComponent_assaabloy_dsr_save
 dsr\_igc\_id
                         INTEGER NOT NULL.
 dsr encryption
                         SMALLINT NULL,
                         CHAR(32) NOT NULL,
 dsr_guid
                         uniqueidentifier NOT NULL,
 dsr checksum
                         INTEGER NOT NULL,
 upd guid
                         uniqueidentifier NOT NULL, -
                                                                          - Guid for update operation
 upd mode
                         SMALLINT NOT NULL,
                                                                          -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                         DATETIME NOT NULL,
                                                                          -- Date / Time of the update
 upd checksum
                         INTEGER NOT NULL,
                                                                          -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                           UNIQUE NOT NULL,
                                                                          -- Global unique record identifier
 PRIMARY KEY
                         ( dsr guid, upd mode desc, upd guid )
CREATE TABLE IntegrationComponent_intercom
                                 uniqueidentifier REFERENCES IntegrationComponent(igc guid) NOT FOR REPLICATION,
 igic integrationcomponent guid
 igic_enable_alarm
                                 smallint NOT NULL,
                                                                           -- enable importing alarms to P2000, disable = 0/enable = 1
                                 smallint NOT NULL,
                                                                          -- yes=1; no=0
 igic save xaction
                                 INTEGER REFERENCES msgfiltergroup(mfg_id)
 igic_mfg_id
                                    NOT FOR REPLICATION,
                                                                          -- message filter group ID
 igic dial length
                                 INTEGER NOT NULL,
                                                                          -- max munber of dialing digits used in this interface
 igic_support_regions
                                 smallint NOT NULL,
                                                                          -- support=1; no support=0;
 igic_region
                                 char(32) NULL,
                                 uniqueidentifier ROWGUIDCOL NOT NULL,
 igic guid
 igic_checksum
                                 INTEGER NOT NULL,
```

```
PRIMARY KEY
                                  (igic_guid)
CREATE TABLE IntegrationComponent_intercom_save
  igic_integrationcomponent guid
                                 uniqueidentifier NULL,
 igic_enable_alarm
                                 smallint NOT NULL,
                                                                              -- enable importing alarms to P2000, disable = 0/enable = 1
                                 smallint NOT NULL,
 igic save xaction
                                                                              -- yes=1; no=0
                                 INTEGER NOT NULL.
                                                                              -- message filter group ID
 igic mfg id
                                                                              -- max munber of dialing digits used in this interface
 igic dial length
                                 INTEGER NOT NULL,
                                 smallint NOT NULL,
                                                                              -- support=1; no support=0;
 igic support regions
 igic_region
                                  char(32) NULL,
                                 uniqueidentifier NOT NULL,
 igic_guid
                                 INTEGER NOT NULL,
 igic_checksum
 upd_guid
                                 uniqueidentifier NOT NULL,
                                                                              -- Guid for update operation
 upd_mode
                                 SMALLINT NOT NULL,
                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
                                 DATETIME NOT NULL,
 upd_timestamp
                                                                              -- Date / Time of the update
                                 INTEGER NOT NULL,
                                                                              -- Checksum
 upd_checksum
 upd_rowguid
                                 uniqueidentifier ROWGUIDCOL DEFAULT
                                    newid() UNIQUE NOT NULL,
                                                                              -- Global unique record identifier
 PRIMARY KEY
                                 (igic guid, upd mode desc, upd guid)
CREATE TABLE IntegrationComponent save
                                 VARCHAR(32) NOT NULL,
                                                                              -- user entered name
 igc name
 igc_partition
                                 INTEGER,
                                                                              -- partition ID to which this integration component belongs
                                 SMALLINT,
                                                                              -1 = \text{public}, 0 = \text{private}
 igc_public
 igc_id
                                 INTEGER NOT NULL,
                                                                              -- unique database ID
 igc query string
                                 CHAR(64) NULL,
                                                                              -- query string entered by user
                                 SMALLINT NOT NULL,
                                                                              -- IntegrationComponent type
 igc type
 igc set children when down
                                                                              -- 0 = \text{no change}, 1 = \text{set down}, 2 = \text{set unknown}
                                 SMALLINT NOT NULL,
 igc_ip_addr
                                 CHAR(16) NULL,
                                                                              -- IP address if used
                                 CHAR(64) NULL,
                                                                              -- Computer Name, if used
 igc_computer_name
 igc_port
                                 INT NULL,
                                                                              -- Network port number if used
 igc comms port
                                 INT NULL,
                                                                              -- RS232 /485 Comms port number if used
                                 VARCHAR(32) NULL,
 igc_comms_parameters
                                                                              -- RS232 /485 Comms parameters, component specific if used
 site
                                 CHAR(32) NOT NULL,
                                                                              -- Site Name
                                 uniqueidentifier NOT NULL,
                                                                              -- Global unique record identifier
 igc guid
 igc checksum
                                 INTEGER NOT NULL,
                                                                              -- Record checksum
 upd_guid
                                 uniqueidentifier NOT NULL,
                                                                              -- Guid for update operation
 upd mode
                                 SMALLINT NOT NULL,
                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                                 DATETIME NOT NULL,
                                                                              -- Date / Time of the update
 upd checksum
                                 INTEGER NOT NULL,
                                                                              -- Checksum
 upd rowguid
                                 uniqueidentifier ROWGUIDCOL DEFAULT
                                    newid() UNIQUE NOT NULL,
                                                                              -- Global unique record identifier
                                 VARCHAR(32) NULL,
 igc_username
                                                                              -- password for connection
                                 INTEGER NULL,
                                                                              -- encrypted password data
 igc password 0
 igc_password_1
                                 INTEGER NULL,
                                                                              -- encrypted password data
 igc_password_2
                                 INTEGER NULL,
                                                                              -- encrypted password data
 igc_password_3
                                 INTEGER NULL,
                                                                              -- encrypted password data
 PRIMARY KEY
                                 ( igc_id, upd_mode desc, upd_guid )
CREATE TABLE intercom_exchange
 inte\_partition
                          INTEGER REFERENCES partition(part_number)
                            NOT FOR REPLICATION,
                                                                                        -- partition ID to which this exchange belongs
 inte public
                          SMALLINT,
                                                                                        -1 = exchange is public, 0 = exchange is private
                          INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
 inte_id
                                                                                        -- unique database ID
```

char(32) NOT NULL,

inte\_name

-- exchange name

```
char(64) NULL,
inte query string
inte_device_type
                        char(255) NULL,
inte_version
                        int NOT NULL,
                        int REFERENCES intercom interface(inti id)
inte interface id
                          NOT FOR REPLICATION,
inte_region
                        char(32) NULL,
                        CHAR(32) NOT NULL,
site
                                                                                      -- Site Name
                        uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                      -- Global unique record identifier
inte_guid
inte checksum
                        INTEGER NOT NULL,
                                                                                      -- Record checksum
PRIMARY KEY
                        (inte partition, inte id)
CREATE UNIQUE INDEX
                              inte_site_name ON intercom_exchange (site, inte_name);
```

#### CREATE TABLE intercom exchange save (

INTEGER NOT NULL, inte\_partition -- partition ID to which this exchange belongs inte\_public SMALLINT NOT NULL, -- 1 = exchange is public, 0 = exchange is private inte\_id INTEGER NOT NULL, -- unique database ID inte\_name char(32) NOT NULL, -- exchange name char(64) NULL, inte\_query\_string inte device type char(255) NULL, inte version int NOT NULL, int NOT NULL, inte\_interface\_id char(32) NULL, inte\_region site CHAR(32) NOT NULL, -- Site Name uniqueidentifier NOT NULL, inte guid inte checksum INTEGER NOT NULL, -- Record checksum upd\_guid uniqueidentifier NOT NULL, SMALLINT NOT NULL, upd\_mode upd timestamp DATETIME NOT NULL, upd checksum INTEGER NOT NULL, -- Checksum

uniqueidentifier ROWGUIDCOL DEFAULT newid() upd rowguid

UNIQUE NOT NULL,

(inte\_partition, inte\_id, upd\_mode desc, upd\_guid) PRIMARY KEY

### CREATE TABLE intercom interface(

INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, inti id

inti\_name char(32) NOT NULL,

inti\_query\_string char(64).

INTEGER REFERENCES partition(part\_number) inti partition

NOT FOR REPLICATION,

inti public smallint NOT NULL, INTEGER NOT NULL, inti\_type

smallint NOT NULL, inti comms type inti\_port smallint NOT NULL,  $inti\_baud\_rate$ INTEGER NOT NULL,  $inti\_data\_bits$ smallint NOT NULL, inti parity smallint NOT NULL, inti\_stop\_bits smallint NOT NULL,

inti\_server\_name char(32), inti\_ip\_address char(16),

INTEGER NOT NULL, inti\_ip\_port

inti user name char(32), inti\_password char(32),

inti\_save\_xaction smallint NOT NULL,

INTEGER REFERENCES msgfiltergroup(mfg\_id) inti\_mfg\_id

NOT FOR REPLICATION.

inti dial length INTEGER NOT NULL, inti\_support\_regions smallint NOT NULL, char(32) NOT NULL, site

inti\_guid uniqueidentifier ROWGUIDCOL NOT NULL, -- Global unique record identifier

-- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Date / Time of the update

-- Global unique record identifier

- -- Zenitel MPC protocol AMC 07.60=1, Commend ICX Version1.1/0910=2
- -- Serial Port=1; Ethernet=2
- -- Serial Port Number
- -- baudrate
- -- intercom interface host's network name
- -- intercom interface host's network ip address
- -- ethernet connection port for the interface
- -- intercom interface login credential
- -- intercom interface login credential
- -- yes=1; no=0
- -- message filter group ID
- -- max munber of dialing digits used in this interface
- -- support=1; no support=0;

```
inti checksum
                          INTEGER NOT NULL,
 PRIMARY KEY
                          (inti_partition, inti_id)
CREATE TABLE intercom interface save
 inti id
                          INTEGER NOT NULL,
 inti name
                          char(32) NOT NULL,
 inti_query_string
                          char(64).
                          INTEGER NOT NULL,
 inti_partition
 inti public
                          smallint NOT NULL,
                          INTEGER NOT NULL,
 inti_type
                                                                                          -- Zenitel MPC protocol - AMC 07.60=1,
                                                                                            Commend ICX Version1.1/0910=2
                          smallint NOT NULL,
                                                                                          -- Serial Port=1: Ethernet=2
 inti comms type
                          smallint NOT NULL.
 inti port
                                                                                          -- Serial Port Number
 inti_baud_rate
                          INTEGER NOT NULL,
                                                                                          -- baudrate
 inti data bits
                          smallint NOT NULL,
 inti_parity
                          smallint NOT NULL,
 inti_stop_bits
                          smallint NOT NULL,
 inti server name
                          char(32),
                                                                                          -- intercom interface host's network name
 inti ip address
                          char(16),
                                                                                          -- intercom interface host's network ip address
                          INTEGER NOT NULL,
 inti_ip_port
                                                                                          -- ethernet connection port for the interface
                          char(32),
                                                                                          -- intercom interface login credential
 inti_user_name
 inti_password
                          char(32),
                                                                                          -- intercom interface login credential
 inti save xaction
                          smallint NOT NULL,
                                                                                          -- yes=1; no=0
 inti mfg id
                          INTEGER NOT NULL,
                                                                                          -- message filter group ID
 inti_dial_length
                          INTEGER NOT NULL,
                                                                                          -- max munber of dialing digits used in this interface
                          smallint NOT NULL,
                                                                                          -- support=1; no support=0;
 inti_support_regions
 site
                          char(32) NOT NULL,
 inti guid
                          uniqueidentifier NOT NULL,
 inti checksum
                          INTEGER NOT NULL,
                          uniqueidentifier NOT NULL,
                                                                                          -- Guid for update operation
 upd guid
                          SMALLINT NOT NULL,
                                                                                          -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_mode
                          DATETIME NOT NULL,
                                                                                          -- Date / Time of the update
 upd timestamp
 upd checksum
                          INTEGER NOT NULL,
                                                                                          -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                             UNIQUE NOT NULL,
                                                                                          -- Global unique record identifier
 PRIMARY KEY
                           (inti_partition, inti_id, upd_mode desc, upd_guid)
CREATE TABLE intercom station
                                  INTEGER REFERENCES partition(part_number)
 ic_stn_partition
                                     NOT FOR REPLICATION,
                                                                                                -- partition ID to which this station belongs
 ic stn public
                                  SMALLINT NOT NULL,
                                                                                                -1 = station is public, 0 = station is private
 ic_stn_query_string
                                  char(64) NULL,
                                  INTEGER IDENTITY NOT FOR REPLICATION,
                                                                                                -- unique database ID
 ic_stn_id
                                                                                                -- unique station ID
 ic stn address
                                  INTEGER.
                                  char(32) NOT NULL,
 ic stn name
                                                                                                -- station name
 ic_stn_priority
                                  SMALLINT NOT NULL,
                                                                                                -- station defined priority
 ic_stn_type
                                  SMALLINT NOT NULL,
                                                                                                -- station defined type
 ic_stn_workstation_id
                                  INTEGER references station(stn_id) NOT FOR REPLICATION,
                                                                                                -- Workstation ID
                                  CHAR(32) NOT NULL,
                                                                                                -- Site Name
 site
                                  uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                                -- Global unique record identifier
 ic stn guid
 ic_stn_checksum
                                  INTEGER NOT NULL,
                                                                                                -- Record checksum
 ic_stn_integrationcomponent_id
                                  INTEGER references IntegrationComponent(igc_id)
                                     NOT FOR REPLICATION,
                                                                                                -- IntegrationComponent ID which this
                                                                                                  station belongs to
 ic stn ref guid
                                  uniqueidentifier NULL,
                                                                                                -- reference to station or integration
                                                                                                  component
 PRIMARY KEY
                                  (ic_stn_id)
```

## CREATE TABLE intercom\_station\_status

INTEGER REFERENCES intercom station(ic stn id) icstat id

NOT FOR REPLICATION,

SMALLINT, icstat status DATETIME, icstat\_timestamp

CHAR(32) NOT NULL, site

uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, icstat\_guid

icstat checksum INTEGER NOT NULL,

PRIMARY KEY (icstat\_id)

-- unique station ID

-- current reader status 0-5 (set by comms) -- current reader status time (set by comms)

-- Site Name

-- Global unique record identifier

-- Record checksum

## CREATE TABLE intercom\_station\_save

INTEGER. ic\_stn\_partition  $ic\_stn\_public$ SMALLINT, ic\_stn\_query\_string char(64) NULL, ic\_stn\_id INTEGER, ic\_stn\_address INTEGER.

ic\_stn\_name char(32) NOT NULL, ic stn priority SMALLINT NOT NULL, SMALLINT NOT NULL, ic stn type

ic\_stn\_workstation\_id INTEGER, CHAR(32) NOT NULL, site uniqueidentifier NOT NULL, ic\_stn\_guid ic stn checksum INTEGER NOT NULL. upd guid uniqueidentifier NOT NULL, upd\_mode SMALLINT NOT NULL, DATETIME NOT NULL, upd\_timestamp upd checksum INTEGER NOT NULL,

uniqueidentifier ROWGUIDCOL DEFAULT upd rowguid

newid() UNIQUE NOT NULL,

INTEGER, ic\_stn\_integrationcomponent\_id

uniqueidentifier NULL, ic\_stn\_ref\_guid

PRIMARY KEY (ic stn id, upd mode DESC, upd guid)

-- partition ID to which this station belongs

-1 = station is public, 0 = station is private

-- unique database ID -- unique station ID -- station name -- station defined priority -- station defined type -- Workstation ID -- Site Name

-- Global unique record identifier

-- Record checksum -- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Date / Time of the update

-- Checksum

-- Global unique record identifier

-- IntegrationComponent ID which this station belongs to

-- reference to station or integration component

# CREATE TABLE intrusion\_entity

intr\_id int IDENTITY NOT FOR REPLICATION unique,

intr type

INTEGER REFERENCES partition(part\_number) intr\_partition

> NOT FOR REPLICATION, smallint NULL,

intr\_public int NOT NULL, intr\_itemid intr name varchar(32) NOT NULL, intr\_opcname varchar(255),

intr\_parentid int NULL,

CHAR(32) NOT NULL, site

intr\_querystring varchar(64), intr\_enable smallint,

uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, intr\_guid

int NOT NULL. intr checksum

intr\_integration\_id INTEGER REFERENCES IntegrationComponent(igc\_id)

NOT FOR REPLICATION,

PRIMARY KEY ( intr\_partition, intr\_id) -- Site Name

Global unique record identifier

-- ID of partition for this input

```
CREATE TABLE intrusion_entity_save
 intr id
                          INTEGER NOT NULL,
                                                                                        -- Unique database ID of intrusion entity
 intr_type
                          INTEGER NOT NULL,
                                                                                        -- Intrusion Entity Type
                          INTEGER NOT NULL,
 intr_partition
 intr_public
                          smallint NOT NULL,
                          int NOT NULL,
 intr itemid
 intr_name
                          char(32),
 intr_opcname
                          char(255),
                          int NULL,
 intr_parentid
                          uniqueidentifier NOT NULL,
 intr_guid
 intr checksum
                          int NOT NULL,
 site
                          CHAR(32) NOT NULL,
                                                                                        -- Site Name
 intr_querystring
                          varchar(64),
 intr_enable
                          smallint,
                          uniqueidentifier NOT NULL,
 upd guid
                                                                                        -- Guid for update operation
 upd_mode
                          SMALLINT NOT NULL,
                                                                                        -- Update mode (0 - delete, 1 - edit, 2 - new)
                         DATETIME NOT NULL,
                                                                                        -- Date / Time of the update
 upd_timestamp
 upd_checksum
                          INTEGER NOT NULL,
                                                                                        -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd rowguid
                            UNIQUE NOT NULL,
                                                                                        -- Global unique record identifier
 intr integration id
                          INTEGER,
 PRIMARY KEY
                          (intr_id, upd_mode desc, upd_guid)
CREATE TABLE intrusion status
 intrstat_id
                                   INTEGER REFERENCES intrusion_entity(intr_id)
                                      NOT FOR REPLICATION,
                                                                                            -- Intrusion ID to which this status belongs
 intrstat status
                                   SMALLINT NOT NULL,
                                                                                            -- Icon status
                                   SMALLINT NOT NULL,
                                                                                            -- SubStatus
 intrstat substatus
 intrstat timestamp
                                   DATETIME NOT NULL,
                                                                                            -- time of last current state (set by comms)
 site
                                   CHAR(32) NOT NULL,
                                                                                            -- Site Name
                                   uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 intrstat_guid
                                                                                            -- Global unique record identifier
 intrstat checksum
                                   INTEGER NOT NULL,
                                                                                            -- Record checksum
 intrstat prev event log ent
                                   INTEGER,
                                                                                            -- For Bosch Intrusion
 intrstat last block event counter
                                    INTEGER,
                                                                                            -- For Bosch Intrusion
 intrstat first block
                                   VARBINARY(100),
                                                                                            -- For Bosch Intrusion
 PRIMARY KEY
                                   (intrstat_id)
);
CREATE TABLE itemCategory
                          VARCHAR (1024) NOT NULL,
                                                                                        -- MSEA item fully qualified reference name
 itemReference
                                                                                        -- MSEA item object category property value
 itemValue
                          VARCHAR (50) NOT NULL
);
CREATE TABLE journal
                          CHAR(32) NOT NULL,
                                                                                                   -- Site Name
 site
                          uniqueidentifier DEFAULT newid() ROWGUIDCOL UNIQUE NOT NULL,
 journal guid
                                                                                                   -- Global unique record identifier
 journal owner guid
                          uniqueidentifier NOT NULL,
                                                                                                   -- database GUID of owning item
 journal title
                          VARCHAR(64) NOT NULL,
                                                                                                   -- title of journal entry
 journal entry
                          TEXT,
                                                                                                   -- Text of the journal entry
 journal create time
                          DATETIME NOT NULL,
                                                                                                   -- Time this journal was created
                                                                                                   -- Time this journal was last edited
 journal_edit_time
                          DATETIME,
 journal checksum
                          INTEGER NOT NULL,
                                                                                                   -- Record checksum
 journal operator
                          CHAR(32),
                                                                                                   -- Operator that last modified record
 PRIMARY KEY
                         NONCLUSTERED (journal_guid)
 CREATE CLUSTERED INDEX
                                  journal_owner_guid ON journal(journal_owner_guid);
```

CREATE INDEX journal create time ON journal(journal create time); CREATE INDEX journal\_title ON journal(journal\_title);

CREATE TABLE journal\_attachments

ja\_journal\_guid uniqueidentifier REFERENCES journal(journal guid), VARCHAR(255), ja filename

ja file data IMAGE,

CHAR(32) NOT NULL. site

ja\_guid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,

INTEGER NOT NULL, ja checksum

PRIMARY KEY (ja\_guid)

CREATE INDEX ja journal guid ON journal(journal guid); -- journal entry identifier

-- original filename

-- attachment file data -- Site Name

-- Global unique record identifier

-- Record checksum

#### CREATE TABLE journal\_attachments\_save

ja journal guid uniqueidentifier, VARCHAR(255), ja filename ja file data IMAGE. CHAR(32) NOT NULL, site uniqueidentifier NOT NULL, ja\_guid

INTEGER NOT NULL, ja\_checksum uniqueidentifier NOT NULL, upd\_guid upd mode SMALLINT NOT NULL. upd timestamp DATETIME NOT NULL,

upd\_checksum INTEGER NOT NULL,

uniqueidentifier ROWGUIDCOL DEFAULT upd\_rowguid

newid() UNIQUE NOT NULL,

PRIMARY KEY ( ja guid, upd mode desc, upd guid )

);

-- journal entry identifier

-- original filename -- attachment file data

-- Site Name

-- Global unique record identifier

-- Record checksum

-- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Date / Time of the update

-- Checksum

-- Global unique record identifier

## CREATE TABLE journal\_save

CHAR(32) NOT NULL, -- Site Name site journal guid uniqueidentifier NOT NULL, -- Global unique record identifier journal owner guid uniqueidentifier NOT NULL, -- database GUID of owning item journal\_title VARCHAR(64) NOT NULL, -- title of journal entry journal\_entry TEXT, -- Text of the journal entry journal create time DATETIME NOT NULL, -- Time this journal was created journal edit time DATETIME, -- Time this journal was last edited journal\_checksum INTEGER NOT NULL, -- Record checksum upd guid uniqueidentifier NOT NULL, -- Guid for update operation upd\_mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) DATETIME NOT NULL, -- Date / Time of the update upd\_timestamp

upd checksum INTEGER NOT NULL,

uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier upd\_rowguid

journal operator CHAR(32),

PRIMARY KEY NONCLUSTERED (journal\_guid, upd\_guid)

## CREATE TABLE koneip\_cntrl\_defn

INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, kiped id

kipcd\_panel\_id INTEGER REFERENCES panel(p\_panel\_id)

NOT FOR REPLICATION,

kipcd\_cntrl\_type SMALLINT NOT NULL, kipcd\_primary\_name CHAR(32) NOT NULL, kiped primary ip addr CHAR(16) NULL, kipcd\_backup\_name CHAR(32) NULL,

-- unique database ID

-- Checksum

-- A CK72x panel reference

-- type 0 = KIC, 1 = Primary / Backup

-- Operator that last modified record

-- user assigned name -- ip address of kone controller

-- user assigned name

```
kiped backup ip addr
                         CHAR(16) NULL,
                                                                                              -- ip address of kone controller
 kipcd_tcp_port
                          INT NOT NULL,
                                                                                              -- tcp port (0-65535)
                                                                                              -- 0 = false, 1 = true
 kipcd_send_cop
                         SMALLINT NOT NULL,
                         SMALLINT NOT NULL,
                                                                                               -- 0 = false, 1 = true
 kipcd send dop
                          SMALLINT NOT NULL,
                                                                                               -- heart beat interval (5 - 15 seconds)
 kiped hb interval
                         CHAR(32) NOT NULL,
                                                                                              -- Site Name
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                              -- Global unique record identifier
 kiped guid
 kipcd checksum
                         INTEGER NOT NULL,
                                                                                              -- Record checksum
 PRIMARY KEY
                         (kipcd_id, kipcd_panel_id, site)
CREATE TABLE koneip_cntrl_defn_save
 kiped id
                          INTEGER NOT NULL,
                                                                                              -- unique identifier
                          INTEGER NOT NULL,
 kipcd_panel_id
                                                                                              -- A CK72x panel reference
 kipcd_cntrl_type
                         SMALLINT NOT NULL,
                                                                                              -- type 0 = KIC, 1 = Primary, 2 = Backup
 kipcd_primary_name
                         CHAR(32) NOT NULL,
                                                                                              -- user assigned name
                         CHAR(16) NULL,
 kipcd_primary_ip_addr
                                                                                              -- ip address of kone controller
 kiped backup name
                         CHAR(32) NULL,
                                                                                              -- user assigned name
 kipcd backup_ip_addr
                         CHAR(16) NULL,
                                                                                              -- ip address of kone controller
 kiped tep port
                          INT NOT NULL,
                                                                                              -- tcp port (0-65535)
 kipcd_send_cop
                         SMALLINT NOT NULL,
                                                                                              -- 0 = false, 1 = true
                                                                                              -0 = false, 1 = true
 kipcd_send_dop
                         SMALLINT NOT NULL,
                                                                                              -- heart beat interval (5 - 15 seconds)
 kiped hb interval
                          SMALLINT NOT NULL,
                          CHAR(32) NOT NULL,
                                                                                              -- Site Name
 kiped guid
                          uniqueidentifier NOT NULL,
                                                                                              -- Global unique record identifier
 kipcd_checksum
                          INTEGER NOT NULL,
                                                                                              -- Record checksum
                         uniqueidentifier NOT NULL,
 upd_guid
                                                                                              -- Guid for update operation
 upd mode
                          SMALLINT NOT NULL,
                                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                          DATETIME NOT NULL,
                                                                                              -- Date / Time of the update
                                                                                              -- Checksum
 upd checksum
                          INTEGER NOT NULL,
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd rowguid
                            UNIQUE NOT NULL,
                                                                                              -- Global unique record identifier
 PRIMARY KEY
                          (kipcd_id, kipcd_panel_id, site, upd_mode desc, upd_guid)
);
CREATE TABLE koneip_cntrl_group_item
 kipcgi_cntrl_id
                          INTEGER REFERENCES koneip cntrl defn(kipcd id)
                            NOT FOR REPLICATION,
                                                                                              -- A CK72x panel reference
                                                                                              -- 0 - 32 used to place entries in UI and sort
 kipcgi_number
                          SMALLINT NOT NULL,
 kipcgi_tcp_port
                          INT NOT NULL,
                                                                                              -- tcp port (0-65535)
                          SMALLINT NOT NULL,
                                                                                               -- group (0 - 32)
 kipcgi_group_addr
                          CHAR(32) NOT NULL,
                                                                                               -- Site Name
 site
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                               -- Global unique record identifier
 kipcgi_guid
 kipcgi checksum
                          INTEGER NOT NULL,
                                                                                               -- Record checksum
 PRIMARY KEY
                          (kipcgi_cntrl_id, kipcgi_number, site)
);
CREATE TABLE koneip_cntrl_group_item_save
 kipcgi_cntrl_id
                          INTEGER NOT NULL,
                                                                                               -- Matching panel number
 kipcgi_number
                          SMALLINT NOT NULL.
                                                                                               -- 0 - 8 used to place entries in UI and sort
 kipcgi_tcp_port
                          INT NOT NULL,
                                                                                               -- tcp port (0-65535)
                          SMALLINT NOT NULL,
                                                                                               -- group (0 - 32)
 kipcgi_group_addr
 site
                         CHAR(32) NOT NULL,
                                                                                              -- Site Name
 kipcgi_guid
                         uniqueidentifier NOT NULL,
                                                                                              -- Global unique record identifier
 kipcgi checksum
                                                                                              -- Record checksum
                          INTEGER NOT NULL,
 upd guid
                          uniqueidentifier NOT NULL,
                                                                                              -- Guid for update operation
 upd_mode
                          SMALLINT NOT NULL,
                                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                         DATETIME NOT NULL,
                                                                                              -- Date / Time of the update
```

```
upd checksum
                          INTEGER NOT NULL,
                                                                                                -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                             newid() UNIQUE NOT NULL,
                                                                                                -- Global unique record identifier
 PRIMARY KEY
                          (kipcgi cntrl id, kipcgi number, site, upd mode desc, upd guid)
);
CREATE TABLE koneip_cntrl_grp
                          INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
 kipcg_id
                                                                                                -- unique database ID
                          INTEGER REFERENCES koneip_cntrl_defn(kipcd_id)
 kipcg_cntrl_id
                             NOT FOR REPLICATION,
                                                                                                -- Kone IP controller reference
 kipcg_group_number
                          SMALLINT NOT NULL,
                                                                                                -- 0 - 32 used to identify group number
                          CHAR(32) NOT NULL,
                                                                                                -- Site Name
 site
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                                -- Global unique record identifier
 kipcg_guid
                                                                                                -- Record checksum
 kipcg checksum
                          INTEGER NOT NULL,
 PRIMARY KEY
                          (kipcg_id, kipcg_cntrl_id, site)
CREATE TABLE koneip_cntrl_grp_floor
                             INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
 kipcgf id
                                                                                                -- unique database ID
 kipcgf_cntrl_grp_id
                             INTEGER REFERENCES koneip_cntrl_grp(kipcg_id)
                               NOT FOR REPLICATION,
                                                                                                -- Kone IP Group reference
 kipcgf_floor
                             SMALLINT NOT NULL,
                                                                                                -- Floor number (1 - 128)
 kipcgf level
                             SMALLINT NOT NULL.
                                                                                                -- Level 0 - 128 (0 = \text{not defined})
 kipcgf side
                             SMALLINT NOT NULL,
                                                                                                -- 0 = both, 1 = front, 2 = rear
 kipcgf cop dst connect
                             SMALLINT NOT NULL,
                                                                                                -- 0 = false, 1 = true
                             SMALLINT NOT NULL,
                                                                                                -- 0 = false, 1 = true
 kipcgf_cop_dst_disconnect
                                                                                                -0 = \text{false}, 1 = \text{true}
 kipcgf_dop_dst_connect
                             SMALLINT NOT NULL,
 kipcgf dop dst disconnect
                             SMALLINT NOT NULL,
                                                                                                -0 = \text{false}, 1 = \text{true}
 kipcgf dop src connect
                             SMALLINT NOT NULL,
                                                                                                -0 = \text{false}, 1 = \text{true}
 kipcgf_dop_src_disconnect
                             SMALLINT NOT NULL,
                                                                                                -- 0 = false, 1 = true
 site
                             CHAR(32) NOT NULL,
                                                                                                -- Site Name
                             uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                                -- Global unique record identifier
 kipcgf_guid
 kipcgf checksum
                             INTEGER NOT NULL,
                                                                                                -- Record checksum
 PRIMARY KEY
                             (kipcgf id, kipcgf cntrl grp id, site)
CREATE TABLE koneip_cntrl_grp_floor_save
 kipcgf id
                             INTEGER NOT NULL,
                                                                                                -- unique database ID
 kipcgf entrl grp id
                             INTEGER NOT NULL,
                                                                                                -- Kone IP Group reference
                             SMALLINT NOT NULL,
                                                                                                -- Floor number (1 - 128)
 kipcgf floor
                                                                                                -- Level 0 - 128 (0 = not defined)
 kipcgf_level
                             SMALLINT NOT NULL,
 kipcgf_side
                             SMALLINT NOT NULL,
                                                                                                -- 0 = both, 1 = front, 2 = rear
 kipcgf_cop_dst_connect
                             SMALLINT NOT NULL,
                                                                                                -- 0 = false, 1 = true
 kipcgf_cop_dst_disconnect
                             SMALLINT NOT NULL,
                                                                                                -0 = \text{false}, 1 = \text{true}
 kipcgf dop dst connect
                             SMALLINT NOT NULL,
                                                                                                -- 0 = false, 1 = true
 kipcgf\_dop\_dst\_disconnect
                             SMALLINT NOT NULL,
                                                                                                 -0 = \text{false}, 1 = \text{true}
 kipcgf_dop_src_connect
                             SMALLINT NOT NULL,
                                                                                                 -0 = \text{false}, 1 = \text{true}
 kipcgf_dop_src_disconnect
                             SMALLINT NOT NULL,
                                                                                                 -0 = \text{false}, 1 = \text{true}
 site
                             CHAR(32) NOT NULL,
                                                                                                -- Site Name
                                                                                                -- Global unique record identifier
                             uniqueidentifier NOT NULL,
 kipcgf_guid
 kipcgf checksum
                             INTEGER NOT NULL,
                                                                                                 -- Record checksum
 upd guid
                             uniqueidentifier NOT NULL,
                                                                                                 -- Guid for update operation
 upd_mode
                             SMALLINT NOT NULL,
                                                                                                -- Update mode (0 - delete, 1 - edit, 2 - new)
                             DATETIME NOT NULL,
                                                                                                -- Date / Time of the update
 upd timestamp
 upd checksum
                             INTEGER NOT NULL,
                                                                                                -- Checksum
                             uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd rowguid
                                UNIQUE NOT NULL,
                                                                                                -- Global unique record identifier
 PRIMARY KEY
                             (kipcgf_id, kipcgf_cntrl_grp_id, site, upd_mode desc, upd_guid)
```

);

# CREATE TABLE koneip\_cntrl\_grp\_save

```
kipcg id
                      INTEGER NOT NULL,
kipcg_cntrl_id
                      INTEGER NOT NULL,
                      SMALLINT NOT NULL,
kipcg_group_number
                      CHAR(32) NOT NULL,
site
kipcg_guid
                      uniqueidentifier NOT NULL,
kipcg_checksum
                      INTEGER NOT NULL,
                      uniqueidentifier NOT NULL,
upd guid
                      SMALLINT NOT NULL.
upd mode
upd timestamp
                      DATETIME NOT NULL,
upd checksum
                      INTEGER NOT NULL,
upd_rowguid
```

uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL,

PRIMARY KEY (kipcg\_id, kipcg\_cntrl\_id, site, upd\_mode desc, upd\_guid)

);

```
-- unique database ID
```

- -- Kone IP controller reference
  - -- 0 32 used to identify group number
  - -- Site Name
  - -- Global unique record identifier
- -- Record checksum
- -- Guid for update operation
- -- Update mode (0 delete, 1 edit, 2 new)
- -- Date / Time of the update
- -- Checksum
- -- Global unique record identifier

## CREATE TABLE koneip\_floor\_cfg

```
INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
kipfc_id
                                                                                               -- unique database ID
kipfc public
                             SMALLINT.
                                                                                               -1 = \text{public}, 0 = \text{private}
kipfc floor
                             SMALLINT NOT NULL,
                                                                                               -- Floor number (1 - 128)
kipfc_level
                             SMALLINT NOT NULL,
                                                                                               -- Level 0 - 128
kipfc_side
                             SMALLINT NOT NULL,
                                                                                               -- 0 = both, 1 = front, 2 = rear
                                                                                               -0 = false, 1 = true
kipfc_cop_dst_connect
                             SMALLINT NOT NULL,
                             SMALLINT NOT NULL.
kipfc_cop_dst_disconnect
                                                                                               -- 0 = false. 1 = true
kipfc dop dst connect
                             SMALLINT NOT NULL,
                                                                                               -- 0 = false, 1 = true
kipfc_dop_dst_disconnect
                             SMALLINT NOT NULL,
                                                                                               -- 0 = false, 1 = true
                             SMALLINT NOT NULL,
                                                                                               -- 0 = false, 1 = true
kipfc_dop_src_connect
kipfc_dop_src_disconnect
                             SMALLINT NOT NULL,
                                                                                               -- 0 = false. 1 = true
site
                             CHAR(32) NOT NULL,
                                                                                               -- Site Name
                             uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
kipfc guid
                                                                                               -- Global unique record identifier
kipfc_checksum
```

# CREATE TABLE koneip floor cfg save

PRIMARY KEY

);

```
INTEGER NOT NULL,
 kipfc_id
 kipfc_public
                            SMALLINT.
 kipfc floor
                            SMALLINT NOT NULL,
 kipfc level
                            SMALLINT NOT NULL,
 kipfc side
                            SMALLINT NOT NULL,
 kipfc_cop_dst_connect
                            SMALLINT NOT NULL,
 kipfc_cop_dst_disconnect
                            SMALLINT NOT NULL.
 kipfc_dop_dst_connect
                            SMALLINT NOT NULL,
 kipfc dop dst disconnect
                            SMALLINT NOT NULL,
 kipfc dop src connect
                            SMALLINT NOT NULL,
                            SMALLINT NOT NULL,
 kipfc_dop_src_disconnect
                            CHAR(32) NOT NULL,
 site
 kipfc guid
                            uniqueidentifier NOT NULL,
 kipfc_checksum
                            INTEGER NOT NULL,
 upd_guid
                            uniqueidentifier NOT NULL,
 upd mode
                            SMALLINT NOT NULL.
                            DATETIME NOT NULL,
 upd timestamp
 upd checksum
                            INTEGER NOT NULL,
 upd_rowguid
                            uniqueidentifier ROWGUIDCOL DEFAULT newid()
                               UNIQUE NOT NULL,
 PRIMARY KEY
                            (kipfc id, upd mode desc, upd guid)
);
```

INTEGER NOT NULL,

(kipfc\_id)

-- unique database ID -1 = public, 0 = private-- Floor number (1 - 128) -- Level 0 - 128 -- 0 = both, 1 = front, 2 = rear-- 0 = false, 1 = true-- 0 = false, 1 = true-0 = false, 1 = true-0 = false, 1 = true

-- Record checksum

- -0 = false, 1 = true-0 = false, 1 = true-- Site Name
- -- Global unique record identifier
- -- Record checksum -- Guid for update operation
- -- Update mode (0 delete, 1 edit, 2 new)
- -- Date / Time of the update
- -- Checksum
- -- Global unique record identifier

```
CREATE TABLE localsite
                         CHAR(32) UNIQUE NOT NULL,
                                                                                             -- local site name
 Is site name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 ls_guid
                                                                                             -- Global unique record identifier
                         INTEGER NOT NULL,
                                                                                             -- Record checksum
 Is checksum
CREATE TABLE | localsite_save
 Is site name
                         CHAR(32) NOT NULL,
                                                                                             -- local site name
 ls_guid
                         uniqueidentifier NOT NULL,
                                                                                             -- Global unique record identifier
 ls checksum
                         INTEGER NOT NULL,
                                                                                             -- Record checksum
                         uniqueidentifier NOT NULL,
                                                                                             -- Guid for update operation
 upd guid
 upd mode
                         SMALLINT NOT NULL,
                                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                         DATETIME NOT NULL,
                                                                                             -- Date / Time of the update
 upd checksum
                         INTEGER NOT NULL,
                                                                                             -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd rowguid
 PRIMARY KEY
                         (upd_mode desc, upd_guid)
CREATE TABLE loopconfig
                         INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                  -- Unique loop ID
 lc id
 lc_loop_number
                         SMALLINT NOT NULL,
                                                                                  -- Loop number (1 - 32)
                         INT NOT NULL,
                                                                                  -- Baud rate (the actual number: 9600, 4800, 2400, 1200)
 lc_baud_rate
                         SMALLINT NOT NULL,
                                                                                  -- 1 = COM1:, ... n == COMn:
 lc_com_port
                                                                                  -1 = loop enabled, 0 = disabled
 lc enable
                         SMALLINT NOT NULL,
                         SMALLINT NOT NULL,
 lc_type
                         CHAR(32) NOT NULL,
                                                                                  -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 lc_guid
                                                                                  -- Global unique record identifier
 lc checksum
                         INTEGER NOT NULL.
                                                                                  -- Record checksum
                         SMALLINT NOT NULL,
 lc monitor tamper
                                                                                  -- Montior the loop tamper alarm on this loop
 CREATE UNIQUE INDEX
                               lc_site_loop ON loopconfig ( site,lc_loop_number );
 CREATE INDEX
                               lc_loop_ID ON loopconfig ( lc_id );
CREATE TABLE loopconfig save
 lc_id
                         INTEGER NOT NULL,
                                                                                 -- Unique loop ID
 lc_loop_number
                         SMALLINT NOT NULL,
                                                                                 -- Loop number (1 - 32)
 lc_baud_rate
                         INT NOT NULL,
                                                                                 -- Baud rate (the actual number: 9600, 4800, 2400, 1200)
 lc com port
                         SMALLINT NOT NULL,
                                                                                 --1 = COM1:, ... n == COMn:
 lc enable
                         SMALLINT NOT NULL,
                                                                                 -1 = loop enabled, 0 = disabled
                         SMALLINT NOT NULL,
 lc_type
                         CHAR(32) NOT NULL,
                                                                                 -- Site Name
 site
                         uniqueidentifier NOT NULL,
                                                                                 -- Global unique record identifier
 lc_guid
 lc checksum
                         INTEGER NOT NULL,
                                                                                 -- Record checksum
 upd guid
                         uniqueidentifier NOT NULL,
                                                                                 -- Guid for update operation
                         SMALLINT NOT NULL,
                                                                                 -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
                         DATETIME NOT NULL,
                                                                                 -- Date / Time of the update
 upd_timestamp
 upd checksum
                         INTEGER NOT NULL,
                                                                                 -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd rowguid
                            UNIQUE NOT NULL,
                                                                                 -- Global unique record identifier
 lc monitor tamper
                         SMALLINT NOT NULL,
                                                                                 -- Montior the loop tamper alarm on this loop
 PRIMARY KEY
```

(lc id, upd mode desc, upd guid)

);

#### **CREATE TABLE** map map partition INTEGER REFERENCES partition(part number) NOT FOR REPLICATION, -- partition ID to which this map belongs -1 = public, 0 = private map\_public SMALLINT, INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, -- unique ID for this map map\_id CHAR(32) NOT NULL, -- map name map\_name map\_type SMALLINT, -- 1 = top level map, 2 = normal map, 3, = popup map site CHAR(32) NOT NULL, -- Site Name -- Global unique record identifier uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, map\_guid INTEGER NOT NULL, -- Record checksum map checksum PRIMARY KEY ( map partition, map id ) CREATE INDEX map\_public ON map ( map\_public ); CREATE INDEX map type ON map ( map type ); CREATE TABLE mapimage INTEGER REFERENCES map(map\_id) NOT FOR REPLICATION, -- map ID for this image map\_id -- image data map\_data IMAGE. site CHAR(32) NOT NULL. -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier map guid map\_checksum INTEGER NOT NULL, -- Record checksum PRIMARY KEY (map\_id) ); CREATE TABLE mapimage\_save INTEGER NOT NULL, -- map ID for this image map\_id map\_data IMAGE. -- image data CHAR(32) NOT NULL. site -- Site Name uniqueidentifier NOT NULL, -- Global unique record identifier map guid map checksum INTEGER NOT NULL, -- Record checksum upd\_guid uniqueidentifier NOT NULL, -- Guid for update operation upd\_mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) upd timestamp DATETIME NOT NULL. -- Date / Time of the update upd checksum INTEGER NOT NULL, -- Checksum uniqueidentifier ROWGUIDCOL DEFAULT newid() upd rowguid UNIQUE NOT NULL, -- Global unique record identifier PRIMARY KEY (map\_id, upd\_mode desc, upd\_guid) ); CREATE TABLE map\_save INTEGER NOT NULL, map\_partition -- partition ID to which this map belongs map\_public SMALLINT. -1 = public, 0 = privatemap id INTEGER NOT NULL, -- unique ID for this map map name CHAR(32) NOT NULL, -- map name SMALLINT, -1 = top level map, 2 = normal map, 3 = popup mapmap\_type CHAR(32) NOT NULL, -- Site Name site map guid uniqueidentifier NOT NULL, -- Global unique record identifier map checksum INTEGER NOT NULL, -- Record checksum upd\_guid uniqueidentifier NOT NULL, -- Guid for update operation upd mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) upd timestamp DATETIME NOT NULL, -- Date / Time of the update INTEGER NOT NULL, -- Checksum upd\_checksum upd rowguid uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier PRIMARY KEY ( map\_partition, map\_id, upd\_mode desc, upd\_guid ) );

## CREATE TABLE messagefilter

mf id INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY, -- unique ID of this message filter mf name CHAR(32) NOT NULL, -- message filter name mf\_partition INTEGER REFERENCES partition(part\_number) -- partition ID to which this message filter belongs NOT FOR REPLICATION, -- 1=message filter is public, 0=message filter is private mf\_public SMALLINT NOT NULL, mf fil priority TEXT NULL, -- priority range filter mf fil sitename TEXT NULL. -- site name filter mf\_fil\_partition TEXT NULL, -- partition filter mf fil qstring TEXT NULL, -- query string filter mf\_fil\_operator TEXT NULL, -- operator filter mf\_fil\_msgtype TEXT NULL, -- message type filter  $mf_fil_itemname$ TEXT NULL, -- item name of message filter -- 1=this criteria is include, 0=this criteria is exclude mf fil priority type SMALLINT NOT NULL, mf\_fil\_sitename\_type SMALLINT NOT NULL, -- 1=this criteria is include, 0=this criteria is exclude mf\_fil\_partition\_type SMALLINT NOT NULL, -- 1=this criteria is include, 0=this criteria is exclude mf\_fil\_qstring\_type SMALLINT NOT NULL, -- 1=this criteria is include, 0=this criteria is exclude mf\_fil\_operator\_type SMALLINT NOT NULL, -- 1=this criteria is include. 0=this criteria is exclude -- 1=this criteria is include, 0=this criteria is exclude mf fil msgtype type SMALLINT NOT NULL, mf fil itemname type SMALLINT NOT NULL, -- 1=this criteria is include, 0=this criteria is exclude mf\_fil\_priority\_empty SMALLINT NOT NULL, -- 1=messages without priority pass filter criteria mf\_fil\_partition\_empty SMALLINT NOT NULL, -- 1=messages without partition pass filter criteria mf\_fil\_qstring\_empty SMALLINT NOT NULL, -- 1=messages without query string pass filter criteria mf fil itemname empty SMALLINT NOT NULL, -- 1=messages without item name pass filter criteria mf fil operator empty SMALLINT NOT NULL, -- 1=messages without operator pass filter criteria CHAR(32) NOT NULL, -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier mf\_guid mf checksum INTEGER NOT NULL, -- Record checksum mf fil alarmcategory TEXT NULL, -- Alarm category filter -- 1=this criteria is include, 0=this criteria is exclude mf\_fil\_alarmcategory\_type SMALLINT NOT NULL, mf fil alarmcategory empty SMALLINT NOT NULL, -- 1=messages without alarmcategory pass filter criteria mf fil alarmescalation TEXT NULL. -- Alarm Escalation range filter SMALLINT NOT NULL, mf fil alarmescalation type -- 1=this criteria is include, 0=this criteria is exclude mf fil alarmescalation empty SMALLINT NOT NULL, -- 1=messages without priority pass filter criteria CREATE UNIQUE INDEX mf\_site\_name ON messagefilter (site, mf\_name);

## CREATE TABLE messagefilter\_save

(		
mf_id	INTEGER NOT NULL,	unique ID of this message filter
mf_name	CHAR(32) NOT NULL,	message filter name
mf_partition	INTEGER,	partition ID to which this message filter belongs
mf_public	SMALLINT NOT NULL,	1=message filter is public, 0=message filter is private
mf_fil_priority	TEXT NULL,	priority range filter
mf_fil_sitename	TEXT NULL,	site name filter
mf_fil_partition	TEXT NULL,	partition filter
mf_fil_qstring	TEXT NULL,	query string filter
mf_fil_operator	TEXT NULL,	operator filter
mf_fil_msgtype	TEXT NULL,	message type filter
mf_fil_itemname	TEXT NULL,	item name of message filter
mf_fil_priority_type	SMALLINT NOT NULL,	1=this criteria is include, 0=this criteria is exclude
mf_fil_sitename_type	SMALLINT NOT NULL,	1=this criteria is include, 0=this criteria is exclude
mf_fil_partition_type	SMALLINT NOT NULL,	1=this criteria is include, 0=this criteria is exclude
mf_fil_qstring_type	SMALLINT NOT NULL,	1=this criteria is include, 0=this criteria is exclude
mf_fil_operator_type	SMALLINT NOT NULL,	1=this criteria is include, 0=this criteria is exclude
mf_fil_msgtype_type	SMALLINT NOT NULL,	1=this criteria is include, 0=this criteria is exclude
mf_fil_itemname_type	SMALLINT NOT NULL,	1=this criteria is include, 0=this criteria is exclude
mf_fil_priority_empty	SMALLINT NOT NULL,	1=messages without priority pass filter criteria
mf_fil_partition_empty	SMALLINT NOT NULL,	1=messages without partition pass filter criteria
mf_fil_qstring_empty	SMALLINT NOT NULL,	1=messages without query string pass filter criteria
mf_fil_itemname_empty	SMALLINT NOT NULL,	1=messages without item name pass filter criteria

```
mf fil operator empty
                                 SMALLINT NOT NULL,
                                                                                     -- 1=messages without operator pass filter criteria
 site
                                 CHAR(32) NOT NULL,
                                                                                     -- Site Name
                                                                                     -- Global unique record identifier
 mf guid
                                 uniqueidentifier NOT NULL,
 mf checksum
                                 INTEGER NOT NULL,
                                                                                     -- Record checksum
 upd guid
                                 uniqueidentifier NOT NULL,
                                                                                     -- Guid for update operation
 upd_mode
                                 SMALLINT NOT NULL,
                                                                                     -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                                 DATETIME NOT NULL,
                                                                                     -- Date / Time of the update
                                 INTEGER NOT NULL,
 upd checksum
                                                                                     -- Checksum
                                 uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd rowguid
                                   UNIQUE NOT NULL,
                                                                                     -- Global unique record identifier
 mf_fil_alarmcategory
                                 TEXT NULL,
                                                                                     --Alarm category filter
                                 SMALLINT NOT NULL,
                                                                                     -- 1=this criteria is include, 0=this criteria is exclude
 mf_fil_alarmcategory_type
 mf\_fil\_alarm category\_empty
                                 SMALLINT NOT NULL,
                                                                                     -- 1=messages without alarmcategory pass filter criteria
 mf fil alarmescalation
                                 TEXT NULL.
                                                                                     -- Alarm Escalation range filter
 mf fil alarmescalation type
                                 SMALLINT NOT NULL,
                                                                                     -- 1=this criteria is include, 0=this criteria is exclude
                                 SMALLINT NOT NULL,
 mf fil alarmescalation empty
                                                                                     -- 1=messages without priority pass filter criteria
 PRIMARY KEY
                                 (mf_id, upd_mode desc, upd_guid)
);
CREATE TABLE mfg item
 mfgi_mfg_id
                          INTEGER REFERENCES msgfiltergroup(mfg_id)
                            NOT FOR REPLICATION,
                                                                                             -- message filter group ID
 mfgi\_mf\_id
                          INTEGER REFERENCES messagefilter(mf id)
                            NOT FOR REPLICATION,
                                                                                             -- message filter ID
 site
                          CHAR(32) NOT NULL,
                                                                                             -- Site Name
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                             -- Global unique record identifier
 mfgi_guid
 mfgi_checksum
                          INTEGER NOT NULL,
                                                                                             -- Record checksum
 mfgi auto added
                          SMALLINT NOT NULL,
                                                                                             --0 means manual added, 1 means auto added.
 PRIMARY KEY
                          ( mfgi mfg id, mfgi mf id)
CREATE TABLE
                    mfg_item_save
 mfgi mfg id
                          INTEGER,
                                                                                       -- message filter group ID
 mfgi mf id
                          INTEGER,
                                                                                       -- message filter ID
                          CHAR(32) NOT NULL,
                                                                                       -- Site Name
 site
 mfgi_guid
                          uniqueidentifier NOT NULL,
                                                                                       -- Global unique record identifier
 mfgi checksum
                          INTEGER NOT NULL,
                                                                                       -- Record checksum
 upd guid
                          uniqueidentifier NOT NULL,
                                                                                       -- Guid for update operation
                                                                                       -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
                          SMALLINT NOT NULL,
                                                                                       -- Date / Time of the update
 upd timestamp
                          DATETIME NOT NULL,
 upd_checksum
                          INTEGER NOT NULL,
                                                                                       -- Checksum
 upd_rowguid
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
                            UNIQUE NOT NULL,
                                                                                       -- Global unique record identifier
 mfgi auto added
                          SMALLINT NOT NULL,
                                                                                       -- 0 means manual added, 1 means auto added.
 PRIMARY KEY
                          ( mfgi_mfg_id, mfgi_mf_id, upd_mode desc, upd_guid)
);
CREATE TABLE mifareencode
                                                                                   -- the sector number for the data address
                          INTEGER NOT NULL,
 me sector
 me block
                          INTEGER NOT NULL.
                                                                                   -- the block number within the sector for the data address
                                                                                   -- the offset number within the block for the data address
 me offset
                          INTEGER NOT NULL,
                          CHAR (12) NOT NULL,
                                                                                   -- smart card access key in Hex string
 me key
 me_key_type
                          SMALLINT NOT NULL,
                                                                                   -- access key type: A=0;B=1
 me_db_table_name
                          CHAR(32) NULL,
                                                                                   -- database table where this data comes from
 me_db_col_name
                          CHAR(64) NULL,
                                                                                   -- database column where this data comes from
```

CHAR (16) NULL.

CHAR(32) NOT NULL,

uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,

me data value

site

me\_guid

-- the data value to encode into a smartcard

-- Global unique record identifier

-- Site Name

```
me checksum
                         INTEGER NOT NULL,
                                                                                 -- Record checksum
 PRIMARY KEY
                         (me_guid)
CREATE TABLE mifareencode save
 me sector
                         INTEGER NOT NULL,
                                                                               -- the sector number for the data address
 me block
                         INTEGER NOT NULL,
                                                                               -- the block number within the sector for the data address
                                                                               -- the offset number within the block for the data address
 me offset
                         INTEGER NOT NULL.
 me key
                         CHAR (12) NOT NULL,
                                                                               -- smart card access key in Hex string
                         SMALLINT NOT NULL,
                                                                               -- access key type: A=0;B=1
 me key type
 me_db_table_name
                         CHAR(32) NULL,
                                                                               -- database table where this data comes from
 me_db_col_name
                         CHAR(64) NULL,
                                                                               -- database column where this data comes from
                         CHAR (16) NULL,
                                                                               -- the data value to encode into a smartcard
 me data value
 site
                         CHAR(32) NOT NULL.
                                                                               -- Site Name
 me_guid
                         uniqueidentifier NOT NULL,
                                                                               -- Global unique record identifier
 me checksum
                         INTEGER NOT NULL,
                                                                               -- Record checksum
                                                                               -- Guid for update operation
 upd_guid
                         uniqueidentifier NOT NULL,
 upd mode
                         SMALLINT NOT NULL,
                                                                               -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                         DATETIME NOT NULL,
                                                                               -- Date / Time of the update
 upd checksum
                         INTEGER NOT NULL,
                                                                               -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                               -- Global unique record identifier
 PRIMARY KEY
                         ( me_guid, upd_mode desc, upd_guid )
CREATE TABLE mseagraphic
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                      -- Global unique record identifier
 mg_guid
                         CHAR(32) NOT NULL,
 mg name
                                                                                      -- short name of MSEA graphic
                         VARCHAR(512) NOT NULL,
                                                                                      -- fully qualified name of MSEA graphic
 mg fqn
                         CHAR(32) NOT NULL,
 site
                                                                                      -- Site Name
 mg_checksum
                                                                                      -- Record checksum
                         INTEGER NOT NULL,
 PRIMARY KEY
                         ( mg_name, site )
CREATE TABLE mseagraphic save
                         uniqueidentifier NOT NULL,
                                                                                      -- Global unique record identifier
 mg_guid
 mg_name
                         CHAR(32) NOT NULL,
                                                                                      -- short name of MSEA graphic
 mg fqn
                         VARCHAR(512) NOT NULL,
                                                                                      -- fully qualified name of MSEA graphic
                         CHAR(32) NOT NULL,
 site
                                                                                      -- Site Name
                         INTEGER NOT NULL,
                                                                                      -- Record checksum
 mg checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                                      -- Guid for update operation
                         SMALLINT NOT NULL,
                                                                                      -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
 upd timestamp
                         DATETIME NOT NULL,
                                                                                      -- Date / Time of the update
                         INTEGER NOT NULL,
 upd checksum
                                                                                      -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                                      -- Global unique record identifier
 PRIMARY KEY
                         ( mg_guid, upd_mode desc, upd_guid )
);
CREATE TABLE msgfiltergroup
                         INTEGER IDENTITY NOT FOR REPLICATION
 mfg_id
                            PRIMARY KEY,
                                                                                -- unique ID for message filter group
 mfg_name
                         CHAR(32) NOT NULL,
                                                                                -- message filter group name
 mfg_partition
                         INTEGER REFERENCES partition(part_number)
                                                                                -- partition ID to which this message filter group belongs
                            NOT FOR REPLICATION.
                                                                                -- 1 = message filter group is public, 0 = message filter
 mfg_public
                         SMALLINT NOT NULL,
                                                                                  group is private
```

```
CHAR(32) NOT NULL,
                                                     -- Site Name
```

uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, mfg\_guid -- Global unique record identifier  $mfg\_checksum$ -- Record checksum INTEGER NOT NULL,

CREATE UNIQUE INDEX mfg\_site\_name ON msgfiltergroup (site, mfg\_name);

### CREATE TABLE msgfiltergroup\_save

INTEGER NOT NULL. mfg\_id -- unique ID for message filter group CHAR(32) NOT NULL, mfg name -- message filter group name mfg partition INTEGER, -- partition ID to which this message filter group belongs SMALLINT NOT NULL, mfg\_public -1 = message filter group is public, 0 = message filter group is private CHAR(32) NOT NULL, -- Site Name site uniqueidentifier NOT NULL, -- Global unique record identifier mfg\_guid mfg checksum INTEGER NOT NULL, -- Record checksum upd\_guid uniqueidentifier NOT NULL, -- Guid for update operation

upd mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new)

upd\_timestamp DATETIME NOT NULL, -- Date / Time of the update upd checksum INTEGER NOT NULL, -- Checksum

uniqueidentifier ROWGUIDCOL DEFAULT newid() upd rowguid

> UNIQUE NOT NULL, -- Global unique record identifier

PRIMARY KEY (mfg\_id, upd\_mode desc, upd\_guid)

);

m startup time units

#### CREATE TABLE [dbo].MusterDefinition

Table defines each muster zone INTEGER IDENTITY NOT FOR REPLICATION m\_id

UNIOUE. -- Unique identifier for each muster zone

m name CHAR(32) NOT NULL, -- Muster zone name

m partition INTEGER NOT NULL REFERENCES partition(part\_number) NOT FOR REPLICATION, -- Partition of muster zone

m\_enabled SMALLINT NOT NULL, -- 0 = disabled, 1 = enabledSMALLINT NOT NULL, -- 0 = private, 1 = public muster zonem\_public

m state SMALLINT NOT NULL, -- If enabled, 0 = ready, 1 = running, 2 = stopped,

3 = aborted (database problem during a muster)

-1 = degraded operation (partial hardware down or disabled) -2 = inoperable (all defining or muster readers down or disabled)

-3 = disabled (me enabled will be 0)

INTEGER NULL REFERENCES station(stn id) m auto control

> NOT FOR REPLICATION, -- NULL = muster control app not started on muster start

-- not NULL = id of workstation on which to start the

-- muster control application m\_no\_auto\_report

SMALLINT NOT NULL, -- 0 = allow auto printing during muster

-- 1 = suppress auto printing

m\_report\_interval SMALLINT NOT NULL, -- Printing interval in minutes for running muster

SMALLINT NOT NULL, --0 = one line format, 1 = multi line m\_report\_format SMALLINT NOT NULL, -- 0 - n-1, indicating the startup rule to use in m startup rule

-- determining the initial list of personnel in -- the zone at muster start (n is number of rules)

m\_startup\_time SMALLINT NOT NULL, -- Time interval associated with some of the rules, -- meaning depends on the rule

SMALLINT NOT NULL. -- Units for m startup time, 0 = minutes, 1 = hours, 2 = days

m number of shifts SMALLINT NOT NULL, -- If shift rules determine the startup condition, -- contains number of shifts, 1, 2, 3, otherwise is zero

INTEGER NULL REFERENCES timezone(tz\_id) m\_shift\_1

NOT FOR REPLICATION, -- Timezone for 1st shift

m shift 2 INTEGER NULL REFERENCES timezone(tz id)

> NOT FOR REPLICATION, -- Timezone for 2nd shift

m\_shift\_3 INTEGER NULL REFERENCES timezone(tz id)

NOT FOR REPLICATION, -- Timezone for 3rd shift

m\_no\_in\_x\_it SMALLINT NOT NULL, -- Do not use entry/exit status for initial condition

m allow expansion	SMALLINT NOT NULL,	even if entry/exit control is possible 0 = do not allow expansion of running muster
1	,	1 = allow expansion
m use only valid badging on sta	artup SMALLINT NOT NULL,	0 = use latest badging to determine who is in zone
3 8 6	,	whether valid or invalid
		1 = use valid badging only
m muster any reader	SMALLINT NOT NULL,	0 = only designated muster readers
/	,	1 = allow any non defining reader for muster
m track movement	SMALLINT NOT NULL,	0 = no movement tracking
u.u.u	oministry from the sea,	1 = allow movement tracking
m popup on start alarm	SMALLINT NOT NULL,	0 = do not pop up, 1 = pop up on alarm
m_popup_on_start_ataim	SIMILERY TYOT TYCEE,	2 = pop up on secure, 3 = pop up on both
m popup on status alarm	SMALLINT NOT NULL,	Same for the status alarm
m_start_alarm_text_set_id	INTEGER NULL REFERENCES alrmir	
m_start_alarm_text_set_id	NOT FOR REPLICATION,	Start alarm set instruction text ID if not null
m start alarms taxt and id		
m_start_alarm_text_sec_id	INTEGER NULL REFERENCES alrmir	· = /
	NOT FOR REPLICATION,	Start alarm secure instruction text
m_status_alarm_text_set_id	INTEGER NULL REFERENCES alrmin	
	NOT FOR REPLICATION,	Same for the status alarm
m_status_alarm_text_sec_id	INTEGER NULL REFERENCES alrmir	
	NOT FOR REPLICATION,	Etc.
m_muster_start_time	DATETIME NOT NULL,	Time at which the last muster started
m_muster_stop_time	DATETIME NOT NULL,	Time at which the last muster stopped
m_enable_demuster	SMALLINT NOT NULL,	1 = demuster function enabled for zone, 0 = not enabled
m_auto_print_enable	SMALLINT NOT NULL,	1 if auto print is enabled, is only valid while a muster
		is running, can't be interpreted if not running
m_hardware_status	SMALLINT NOT NULL,	Hardware status $1 = OK$ , $0 = degraded$ , $<0 = inoperable$
		set by muster service m_state also reflects this condition
m hardware status alarm time	DATETIME NOT NULL,	Time of last hardware status alarm going set, if any
		set by muster service
m popup on abort alarm	SMALLINT NOT NULL,	Like above but for an abort alarm
m popup on disabled alarm	SMALLINT NOT NULL,	Like above but for an alarm if a muster is triggered for a
	,	disabled zone
m abort alarm text set id	INTEGER NULL REFERENCES alrmir	nst(ai id)
	NOT FOR REPLICATION,	Instruction text for abort alarm, note, no secure text
m abort alarm text sec id	INTEGER NULL REFERENCES alrmir	
uoon_u.uvo.n_ooou	NOT FOR REPLICATION,	Going secure text for abort alarm
m disabled alarm text set id	INTEGER NULL REFERENCES alrmir	· ·
in_disdoled_didfin_text_set_ld	NOT FOR REPLICATION,	Going set instruction for disabled alarm
m post proc	SMALLINT NOT NULL,	Valid only when m_state = 2, state of muster post processing
m_post_proc	SMALLINI NOI NOLL,	0 = de-muster/save data not done, 1 = de-muster done
		2 = save data done, 3 = both have been done
site	CHAD(22) NOT NIH I	2 – save data done, 3 – both have been done
	CHAR(32) NOT NULL,	Site Name
m_guid	uniqueidentifier ROWGUIDCOL	CLILI : L'IL «'C
1 1	UNIQUE NOT NULL,	Global unique record identifier
m_checksum	INTEGER NOT NULL,	Record checksum
PRIMARY KEY	(m_partition, m_id)	
);		
CREATE UNIQUE INDEX	m_site_name ON MusterDefinition (site,	, m_name);

# CREATE TABLE MusterDefinition\_save

Table	defines	each	muster	zone

m_id	INTEGER NOT NULL,	Unique identifier for each muster zone
m_name	CHAR(32) NOT NULL,	Muster zone name
m_partition	INTEGER NOT NULL,	Partition of muster zone
m_enabled	SMALLINT NOT NULL,	-0 = disabled, 1 = enabled
m_public	SMALLINT NOT NULL,	0 = private, 1 = public muster zone
m state	SMALLINT NOT NULL,	If enabled, $0 = \text{ready}$ , $1 = \text{running}$ , $2 = \text{st}$

- ready, 1 = running, 2 = stopped, - 3 = aborted (database problem during a muster)
- -1 = degraded operation (partial hardware down or disabled)
- -2 = inoperable (all defining or muster readers down or disabled)
- 3 = disabled (me\_enabled will be 0)

m_auto_control	INTEGER NULL,	NULL = muster control app not started on muster start
		not NULL = id of workstation on which to start the
		muster control application
m_no_auto_report	SMALLINT NOT NULL,	0 = allow auto printing during muster
	C) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	1 = suppress auto printing
m_report_interval	SMALLINT NOT NULL,	Printing interval in minutes for running muster
m_report_format	SMALLINT NOT NULL,	0 = one line format, 1 = multi line
m_startup_rule	SMALLINT NOT NULL,	0 - n-1, indicating the startup rule to use in
		determining the initial list of personnel in
		the zone at muster start (n is number of rules)
m_startup_time	SMALLINT NOT NULL,	Time interval associated with some of the rules,
	C) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	meaning depends on the rule
m_startup_time_units	SMALLINT NOT NULL,	Units for m_startup_time, 0 = minutes, 1 = hours, 2 = days
m_number_of_shifts	SMALLINT NOT NULL,	If shift rules determine the startup condition,
1.0	DIEGED MAN	contains number of shifts, 1, 2, 3, otherwise os zero
m_shift_1	INTEGER NULL,	Timezone for 1st shift
m_shift_2	INTEGER NULL,	Timezone for 2nd shift
m_shift_3	INTEGER NULL,	Timezone for 3rd shift
m_no_in_x_it	SMALLINT NOT NULL,	Do not use entry/exit status for initial condition
	CMALLBUTNOTANH	even if entry/exit control is possible
m_allow_expansion	SMALLINT NOT NULL,	0 = do not allow expansion of running muster
	01/11/ DYESTOWN V	1 = allow expansion
m_use_only_valid_badging_on_st	tartup SMALLINT NOT NULL,	0 = use latest badging to determine who is in zone
		whether valid or invalid
	C) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	1 = use valid badging only
m_muster_any_reader	SMALLINT NOT NULL,	0 = only designated muster readers
	C) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	1 = allow any non defining reader for muster
m_track_movement	SMALLINT NOT NULL,	0 = no movement tracking
1	CMALLDIT NOT NILL	1 = allow movement tracking
m_popup_on_start_alarm	SMALLINT NOT NULL,	0 = do not pop up, 1 = pop up on alarm
		-2 = pop up on secure, $3 = pop up on both$
m_popup_on_status_alarm	SMALLINT NOT NULL,	Same for the status alarm
m_start_alarm_text_set_id	INTEGER NULL,	Start alarm set instruction text ID if not null
m_start_alarm_text_sec_id	INTEGER NULL,	Start alarm secure instruction text
m_status_alarm_text_set_id	INTEGER NULL,	Same for the status alarm
m_status_alarm_text_sec_id	INTEGER NULL,	Etc.
m_muster_start_time	DATETIME NOT NULL,	Time at which the last muster started
m_muster_stop_time	DATETIME NOT NULL,	Time at which the last muster stopped
m_enable_demuster	SMALLINT NOT NULL,	1 = demuster function enabled for zone, 0 = not enabled
m_auto_print_enable	SMALLINT NOT NULL,	1 if auto print is enabled, is only valid while a muster
1 1	CMALLBUTNOTARRI	is running, can't be interpreted if not running
m_hardware_status	SMALLINT NOT NULL,	Hardware status 1 = OK, 0 = degraded, <0 = inoperable
1 1	PATERNAL MOTANTA	set by muster service, m_state also reflects this condition
m_hardware_status_alarm_time	DATETIME NOT NULL,	Time of last hardware status alarm going set, if any
	CMALLBUTNOTANHL	set by muster service
m_popup_on_abort_alarm	SMALLINT NOT NULL,	Like above but for an abort alarm
m_popup_on_disabled_alarm	SMALLINT NOT NULL,	Like above but for an alarm if a muster is triggered for a
1 4 1 4 4 4 11	DITECED MILLI	disabled zone
m_abort_alarm_text_set_id	INTEGER NULL,	Instruction text for abort alarm, note, no secure text
m_abort_alarm_text_sec_id	INTEGER NULL,	Going secure text for abort alarm
m_disabled_alarm_text_set_id	INTEGER NULL,	Going set instruction for disabled alarm
m_post_proc	SMALLINT NOT NULL,	Valid only when m_state = 2, state of muster post processing
		0 = de-muster/save data not done, 1 = de-muster done
•.	CHARAMAN NOTAHHA	-2 = save data done, 3 = both have been done
site	CHAR(32) NOT NULL,	Site Name
m_guid	uniqueidentifier NOT NULL,	Global unique record identifier
m_checksum	INTEGER NOT NULL,	Record checksum
upd_guid	uniqueidentifier NOT NULL,	Guid for update operation
upd_mode	SMALLINT NOT NULL,	Update mode (0 - delete, 1 - edit, 2 - new)
upd_timestamp	DATETIME NOT NULL,	Date / Time of the update
upd_checksum	INTEGER NOT NULL,	Checksum
upd_rowguid	uniqueidentifier ROWGUIDCOL DE	
DDIMADY VEV	newid() UNIQUE NOT NULL,	Global unique record identifier
PRIMARY KEY	(m_partition, m_id, upd_mode desc,	upu_guiu)
);		

# CREATE TABLE [dbo].MusterPrinters

```
Table defines the printers associated with muster zones
```

mp\_name CHAR(255) NOT NULL,
mp\_zone INTEGER NOT NULL REFERENCES MusterDefinition(m\_id)

NOT FOR REPLICATION,

site CHAR(32) NOT NULL,

mp\_guid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,

mp\_checksum INTEGER NOT NULL, PRIMARY KEY (mp\_zone, mp\_name),

):

-- Printer name

-- ID of Muster Zone using this printer

-- Site Name

-- Global unique record identifier

-- Record checksum

## CREATE TABLE MusterPrinters\_save

-- Table defines the printers associated with muster zones mp\_name CHAR(255) NOT NULL, mp\_zone INTEGER NOT NULL, site CHAR(32) NOT NULL, mp\_guid unique identifier NOT NULL, mp\_checksum INTEGER NOT NULL, upd\_guid unique identifier NOT NULL, upd\_mode SMALLINT NOT NULL.

upd\_guid uniqueidentifier NOT NUL
upd\_mode SMALLINT NOT NULL,
upd\_timestamp DATETIME NOT NULL,
upd\_checksum INTEGER NOT NULL,

upd\_rowguid uniqueidentifier ROWGUIDCOL DEFAULT newid()

UNIQUE NOT NULL,

PRIMARY KEY (mp\_zone, mp\_name, upd\_mode desc, upd\_guid),

);

mr\_zone

-- Printer name

-- ID of Muster Zone using this printer

-- Site Name

-- Global unique record identifier

-- Record checksum -- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Date / Time of the update

-- Checksum

-- Global unique record identifier

## CREATE TABLE [dbo].MusterReaders

Table defines the readers for a muster zone

mr\_id INTEGER IDENTITY NOT FOR REPLICATION

PRIMARY KEY,

INTEGER NOT NULL REFERENCES MusterDefinition(m\_id)

NOT FOR REPLICATION,

mr\_reader INTEGER NULL REFERENCES terminal(tp\_term\_id)

NOT FOR REPLICATION,

mr\_reader\_group INTEGER NULL REFERENCES termgrp(tg\_id)

NOT FOR REPLICATION,

mr\_type INTEGER NOT NULL,

mr\_expansion\_reader SMALLINT NOT NULL, site CHAR(32) NOT NULL,

mr\_guid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,

mr checksum INTEGER NOT NULL,

);

 $CREATE\ INDEX \\ mr\_zone\_readers\ ON\ MusterReaders(mr\_zone,\ mr\_type)\ ;$ 

-- Needed to provide a unique ky for this table

-- Zone to which this reader belongs

-- If not NULL, ID of reader associated with zone

-- If not NULL, ID of terminal group associated with zone

-- 0 = zone defining reader/group, 1 = muster reader/group,

-- 2 = sequester reader/group

-0 = permanent reader, 1 = temporary expansion reader

-- Site Name

-- Global unique record identifier

-- Record checksum

#### CREATE TABLE MusterReaders\_save

Table defines the readers for a muster zone

mr\_id INTEGER NOT NULL,
mr\_zone INTEGER NOT NULL,
mr\_reader INTEGER NULL,
mr\_reader\_group INTEGER NULL,
mr\_type INTEGER NOT NULL,

mr\_expansion\_reader site SMALLINT NOT NULL, CHAR(32) NOT NULL, mr\_guid uniqueidentifier NOT NULL,

-- Needed to provide a unique ky for this table

-- Zone to which this reader belongs

-- If not NULL, ID of reader associated with zone

-- If not NULL, ID of terminal group associated with zone

-- 0 = zone defining reader/group,

-- 1 = muster reader/group, 2 = sequester reader/group

-- 0 = permanent reader, 1 = temporary expansion reader

-- Site Name

-- Global unique record identifier

```
mr checksum
                         INTEGER NOT NULL,
                                                                            -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                            -- Guid for update operation
 upd_mode
                         SMALLINT NOT NULL,
                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                         DATETIME NOT NULL,
                                                                            -- Date / Time of the update
                         INTEGER NOT NULL,
 upd checksum
                                                                            -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                            -- Global unique record identifier
 PRIMARY KEY
                         (mr_id, upd_mode desc, upd_guid)
);
CREATE TABLE [dbo].MusterReportControl
 mrc_id
                         INTEGER NOT NULL IDENTITY NOT FOR
                            REPLICATION UNIQUE,
                                                                                -- Unique ID for this muster
 mrc zone name
                         CHAR(32) NOT NULL.
                                                                                -- Unique Muster Zone ID
 mrc_zone_partition
                         CHAR(32) NOT NULL,
                                                                                -- Partition name
 mrc start time
                         DATETIME NOT NULL,
                                                                                -- Start time of muster
                                                                                -- Stop time of muster
 mrc_stop_time
                         DATETIME NOT NULL,
 mre drill
                         SMALLINT NOT NULL,
                                                                                --0 = real muster, 1 = drill only
                                                                                -0 = started by event (all types)
 mrc started by
                         SMALLINT NOT NULL,
                                                                                -- 1 = started by operator
                         CHAR(64) NULL,
                                                                                -- Operator or event name depending on mrc_started_by
 mrc_start_id
                         CHAR(32) NOT NULL,
                                                                                -- Site Name
 site
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 mrc_guid
                                                                                -- Global unique record identifier
 mrc checksum
                         INTEGER NOT NULL,
                                                                                -- Record checksum
 PRIMARY KEY
                         (mrc id, mrc zone name),
 CREATE INDEX
                         mrc_key ON MusterReportControl(site, mrc_zone_name, mrc_start_time);
 CREATE INDEX
                         mrc stop time ON MusterReportControl ( mrc stop time );
CREATE TABLE [dbo].MusterReportData
This table lists personnel remaining in each of the 7 groups at the end of a muster
 mrd_muster_id
                         INTEGER NOT NULL REFERENCES MusterReportControl(mrc id)
                            NOT FOR REPLICATION,
                                                                                  -- Unique ID of the muster
 mrd reference
                         INTEGER NOT NULL,
                                                                                  -- Unique key to MusterReportControl
                         SMALLINT NOT NULL,
                                                                                  -- Group type, 0 = \text{at risk}, 1 = \text{trapped}, 2 = \text{wandering},
 mrd_type
                                                                                  -3 = mustered, 4 = sequestered, 5 = rescuer
 mrd name
                         CHAR(64) NOT NULL,
                                                                                  -- Badge holder name string
                         VARCHAR(100) NOT NULL,
 mrd badge number
                                                                                  -- Badge number
 mrd last location
                                                                                  -- Last badge location (reader name)
                         CHAR(32) NOT NULL,
 mrd company name
                         CHAR(32) NOT NULL,
                                                                                  -- Company name
                         CHAR(32) NOT NULL,
 mrd org name
                                                                                  -- Org name
 mrd time
                         DATETIME NOT NULL,
                                                                                  -- Time that this person entered this group
 mrd priority
                         SMALLINT NOT NULL,
                                                                                  -- Last action priority
 site
                         CHAR(32) NOT NULL,
                                                                                  -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 mrd guid

    Global unique record identifier

                                                                                  -- Record checksum
 mrd checksum
                         INTEGER NOT NULL,
 PRIMARY KEY
                         (mrd_reference, mrd_type, mrd_priority, mrd_badge_number),
 CREATE UNIQUE INDEX
                              mrd_key ON MusterReportData(site, mrd_reference, mrd_type, mrd_priority, mrd_badge_number);
CREATE TABLE ogdata
 og_group_id
                         INTEGER REFERENCES outputgrp(op group id) NOT FOR REPLICATION,
                                                                                                    -- output group ID
 og_outputpt_id
                         INTEGER REFERENCES output(op_output_id) NOT FOR REPLICATION,
                                                                                                    -- output point ID
                         CHAR(32) NOT NULL,
                                                                                                    -- Site Name
 site
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                                    -- Global unique record identifier
 og guid
 og checksum
                         INTEGER NOT NULL,
                                                                                                    -- Record checksum
 PRIMARY KEY
                         ( og_group_id, og_outputpt_id )
```

```
CREATE TABLE ogdata_save
                         INTEGER NOT NULL,
                                                                                            -- output group ID
 og_group_id
 og_outputpt_id
                         INTEGER NOT NULL,
                                                                                            -- output point ID
                         CHAR(32) NOT NULL,
                                                                                            -- Site Name
 site
                         uniqueidentifier NOT NULL,
                                                                                            -- Global unique record identifier
 og_guid
                         INTEGER NOT NULL,
                                                                                            -- Record checksum
 og checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                                            -- Guid for update operation
 upd mode
                         SMALLINT NOT NULL,
                                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                                            -- Date / Time of the update
 upd_timestamp
                         DATETIME NOT NULL,
 upd_checksum
                         INTEGER NOT NULL,
                                                                                            -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd rowguid
 PRIMARY KEY
                         ( og_group_id, og_outputpt_id, upd_mode desc, upd_guid )
CREATE TABLE optionkey
 ok_option_key
                         CHAR(40) PRIMARY KEY
                                                                                      NOT NULL.
 ok_option_id
                         INT NULL
 CREATE INDEX
                         ok option id ON optionkey ( ok option id );
CREATE TABLE otis_compass_mode
 otis_comp_mode_id
                                  INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                            -- unique ID
                                  INTEGER NOT NULL REFERENCES elevator (el elevator id)
 otis_comp_mode_elev_id
                                     NOT FOR REPLICATION,
                                                                                            -- elevator ID
 otis_comp_mode_device_ref
                                                                                            -- device reference
 otis_comp_mode_mode
                                  SMALLINT,
                                                                                            -- current DEC mode (1 - 4)
 otis_comp_mode_allowed_floors
                                  BINARY(32),
                                                                                            -- 32 bytes = allowed floors
                                  CHAR(32) NOT NULL,
                                                                                            -- Site Name
                                  uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                            -- Global unique record identifier
 otis comp mode guid
 otis comp mode checksum
                                  INTEGER NOT NULL,
                                                                                            -- Record checksum
 PRIMARY KEY
                                  (otis_comp_mode_id)
);
 CREATE INDEX
                                   otis_comp_mode_elev_id ON otis_compass_mode( otis_comp_mode_elev_id );
 CREATE INDEX
                                   otis comp mode device ref ON otis compass mode( otis comp mode device ref );
CREATE TABLE otis_compass_mode_save
 otis_comp_mode_id
                                   INTEGER NOT NULL,
                                                                                           -- unique ID
 otis comp mode elev id
                                   INTEGER,
                                                                                           -- elevator ID
 otis comp mode device ref
                                                                                           -- device reference
                                   INT.
                                                                                           -- current DEC mode (1 - 4)
 otis_comp_mode_mode
                                   SMALLINT,
                                   BINARY(32),
                                                                                           -- 32 bytes define allowed floors
 otis_comp_mode_allowed_floors
                                   CHAR(32) NOT NULL,
                                                                                           -- Site Name
 otis comp mode guid
                                   uniqueidentifier NOT NULL,
                                                                                           -- Global unique record identifier
 otis comp mode checksum
                                   INTEGER NOT NULL,
                                                                                           -- Record checksum
                                   uniqueidentifier NOT NULL,
                                                                                           -- Guid for update operation
 upd guid
 upd_mode
                                   SMALLINT NOT NULL,
                                                                                           -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                                   DATETIME NOT NULL,
                                                                                          -- Date / Time of the update
                                   INTEGER NOT NULL,
                                                                                           -- Checksum
 upd checksum
                                   uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                                      UNIQUE NOT NULL,
                                                                                           -- Global unique record identifier
 PRIMARY KEY
                                   (otis_comp_mode_id, upd_mode desc, upd_guid)
);
```

#### CREATE TABLE otis\_compass\_status otis comp status id INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, -- unique ID otis\_comp\_status\_device\_ref INT -- device reference SMALLINT NOT NULL, --0 = unknown, 1 = DEC, 2 = DES, 3 = DERotis\_comp\_status\_device\_type SMALLINT NOT NULL, -0 = unknown, 1 = on-line, 2 = off-lineotis comp status status DATETIME NOT NULL, otis\_comp\_status\_timestamp -- time stamp CHAR(32) NOT NULL, -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, otis\_comp\_status\_guid -- Global unique record identifier otis\_comp\_status\_checksum INTEGER NOT NULL, -- Record checksum PRIMARY KEY (otis\_comp\_status\_id) CREATE INDEX otis\_comp\_status\_device\_ref ON otis\_compass\_status( otis\_comp\_status\_device\_ref ); **CREATE TABLE** output op\_partition INTEGER REFERENCES partition(part\_number) NOT FOR REPLICATION, -- ID of partition for this input SMALLINT NOT NULL, op public -- publication INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, -- Unique database ID of output point op\_output\_id op point name varchar(32) NOT NULL. -- name of output point -- point enabled or not op enable SMALLINT NOT NULL, op\_point\_number SMALLINT NOT NULL, -- output number INTEGER REFERENCES terminal(tp\_term\_id) op\_term\_id NOT FOR REPLICATION, -- terminal ID that has this output CHAR(64). -- query string enter by user op\_query\_string op active state SMALLINT NOT NULL, -- active state (0-4) op\_duration SMALLINT NOT NULL, -- duration in secs (only for timed active state) CHAR(32) NOT NULL, -- Site Name site op\_guid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier op checksum INTEGER NOT NULL, -- Record checksum PRIMARY KEY ( op partition, op output id) CREATE INDEX op\_public ON output(op\_public); op\_term\_id ON output ( op\_term\_id, op\_point\_number ); CREATE UNIQUE INDEX CREATE UNIQUE INDEX op site name ON output (site, op\_point\_name); **CREATE TABLE** outputgrp op\_group\_partition INTEGER REFERENCES partition(part\_number) -- partition ID to which this group belongs NOT FOR REPLICATION, op group public SMALLINT. -1 = public, 0 = privateINTEGER IDENTITY NOT FOR REPLICATION UNIQUE, op group id -- unique ID for this group CHAR(32) NOT NULL, op group name -- group name op\_group\_panel\_id INTEGER REFERENCES panel(p\_panel\_id) NOT FOR REPLICATION, -- panel ID to which this group belongs SMALLINT, -- group panel index (1-598) op\_group\_index CHAR(32) NOT NULL, -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier op\_group\_guid op\_group\_checksum INTEGER NOT NULL, -- Record checksum PRIMARY KEY ( op\_group\_partition, op\_group\_id) CREATE INDEX op\_group\_public ON outputgrp ( op\_group\_public ); CREATE INDEX op\_group\_panel\_id ON outputgrp ( op\_group\_panel\_id); CREATE INDEX op\_group\_index ON outputgrp ( op\_group\_index); CREATE UNIQUE INDEX op\_site\_name ON outputgrp (site, op\_group\_name); CREATE TABLE outputgrp\_save -- partition ID to which this group belongs op group partition INTEGER,

SMALLINT,

op\_group\_public

-1 = public, 0 = private

```
op group id
                         INTEGER NOT NULL,
                                                                                             -- unique ID for this group
 op_group_name
                         CHAR(32) NOT NULL,
                                                                                             -- group name
 op_group_panel_id
                         INTEGER,
                                                                                             -- panel ID to which this group belongs
                         SMALLINT,
                                                                                             -- group panel index (1-598)
 op_group_index
                         CHAR(32) NOT NULL,
                                                                                             -- Site Name
 site
 op_group_guid
                         uniqueidentifier NOT NULL,
                                                                                             -- Global unique record identifier
                         INTEGER NOT NULL,
 op_group_checksum
                                                                                             -- Record checksum
                                                                                             -- Guid for update operation
 upd_guid
                         uniqueidentifier NOT NULL,
 upd mode
                         SMALLINT NOT NULL,
                                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                         DATETIME NOT NULL,
                                                                                             -- Date / Time of the update
 upd_checksum
                         INTEGER NOT NULL,
                                                                                             -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd_rowguid
 PRIMARY KEY
                         ( op_group_partition, op_group_id, upd_mode desc, upd_guid)
);
CREATE TABLE output_status
                         INTEGER REFERENCES output(op_output_id)
 opstat_output_id
                            NOT FOR REPLICATION,
                                                                                      -- output ID to which this status belongs
                         SMALLINT NOT NULL,
 opstat status
                                                                                      -- last output status (0-2) (set by comms)
 opstat timestamp
                         DATETIME NOT NULL,
                                                                                      -- time of last output status (set by comms)
                         CHAR(32) NOT NULL,
                                                                                      -- Site Name
 site
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                      -- Global unique record identifier
 opstat_guid
 opstat checksum
                         INTEGER NOT NULL,
                                                                                      -- Record checksum
 PRIMARY KEY
                         (opstat output id)
);
CREATE TABLE output_ck
                         INTEGER REFERENCES output(op_output_id)
 op_id
                           NOT FOR REPLICATION,
                                                                                      -- Unique database ID of this output
 site
                         CHAR(32) NOT NULL,
                                                                                      -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                     -- Global unique record identifier
 op_guid
 op_checksum
                         INTEGER NOT NULL,
                                                                                      -- Record checksum
 PRIMARY KEY
                         (op_id)
CREATE TABLE output_ck_save
                         INTEGER NOT NULL,
                                                                                             -- Unique database ID of this output
 op_id
 site
                         CHAR(32) NOT NULL,
                                                                                             -- Site Name
 op_guid
                         uniqueidentifier NOT NULL,

    Global unique record identifier

                         INTEGER NOT NULL,
 op checksum
                                                                                             -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                                             -- Guid for update operation
                         SMALLINT NOT NULL,
 upd mode
                                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                         DATETIME NOT NULL,
                                                                                             -- Date / Time of the update
                         INTEGER NOT NULL,
 upd checksum
                                                                                             -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL,
 upd rowguid
                                                                                             -- Global unique record identifier
 PRIMARY KEY
                         (op_id, upd_mode desc, upd_guid)
CREATE TABLE output p900
                         INTEGER REFERENCES output(op_output_id)
 opp_id
                           NOT FOR REPLICATION,
                                                                                   -- Unique database ID of this output
                         INTEGER NULL REFERENCES timezone(tz id)
 opp tz
                            NOT FOR REPLICATION,
                                                                                   -- timezone ID when output activated
                         INTEGER NULL REFERENCES terminal(tp_term_id)
 opp_action_term
                            NOT FOR REPLICATION,
                                                                                   -- terminal ID that has this output
                         SMALLINT NULL,
                                                                                   -- output action
 opp_action
```

```
SMALLINT,
                                                                                    -- report priority -0: none, 1: alarm, 2: transact.
 opp report
 opp_pp_value
                          SMALLINT,
                                                                                    -- to determine both how the output is activated, and the
                                                                                       type of access which causes it to be activated
                          CHAR(32) NOT NULL,
                                                                                    -- Site Name
 site
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                    -- Global unique record identifier
 opp_guid
                          INTEGER NOT NULL,
 opp_checksum
                                                                                    -- Record checksum
 PRIMARY KEY
                          (opp id)
CREATE TABLE output_p900_save
                          INTEGER NOT NULL,
 opp_id
                                                                                    -- Unique database ID of this output
 opp_tz
                          INTEGER NULL,
                                                                                    -- timezone ID when output activated
                          INTEGER NULL,
                                                                                    -- terminal ID that has this output
 opp_action_term
                          SMALLINT NULL.
 opp_action
                                                                                    -- output action
 opp_report
                          SMALLINT,
                                                                                    -- report priority -0: none, 1: alarm, 2: transact.
                                                                                    -- to determine both how the output is activated, and the
 opp_pp_value
                          SMALLINT,
                                                                                      type of access which causes it to be activated
                          CHAR(32) NOT NULL.
                                                                                    -- Site Name
 site
                          uniqueidentifier NOT NULL,
                                                                                    -- Global unique record identifier
 opp guid
 opp checksum
                          INTEGER NOT NULL,
                                                                                    -- Record checksum
 upd_guid
                          uniqueidentifier NOT NULL,
                                                                                    -- Guid for update operation
 upd_mode
                          SMALLINT NOT NULL,
                                                                                    -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                          DATETIME NOT NULL.
                                                                                    -- Date / Time of the update
 upd checksum
                          INTEGER NOT NULL,
                                                                                    -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd rowguid
                            UNIQUE NOT NULL,
                                                                                    -- Global unique record identifier
                          (opp_id, upd_mode desc, upd_guid)
 PRIMARY KEY
);
CREATE TABLE output_s321ip
                                 INTEGER REFERENCES output(op_output_id)
 opps321ip_output_id
                                    NOT FOR REPLICATION,
                                                                                           -- ID of output
 opps321ip output flash
                                 SMALLINT NOT NULL,
                                                                                            -- Flash rate 0 - 59 seconds
 opps321ip enable status msg
                                 SMALLINT NOT NULL,
                                                                                           -- 1 = enable output status messages
                                 CHAR(32) NOT NULL,
                                                                                           -- Site Name
 opps321ip_guid
                                 uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                           -- Global unique record identifier
                                                                                            -- Record checksum
 opps321ip checksum
                                 INTEGER NOT NULL,
 PRIMARY KEY
                                 (opps321ip output id)
CREATE TABLE output_s321ip_save
 opps321ip output id
                                 INTEGER NOT NULL,
                                                                                               -- ID of output
 opps321ip output flash
                                 SMALLINT NOT NULL,
                                                                                               -- Flash rate 0 - 59 seconds
 opps321ip_enable_status_msg
                                 SMALLINT NOT NULL,
                                                                                               -- 1 = enable output status messages
                                 CHAR(32) NOT NULL,
                                                                                               -- Site Name
 opps321ip_guid
                                 uniqueidentifier NOT NULL,
                                                                                               -- Global unique record identifier
 opps321ip_checksum
                                 INTEGER NOT NULL,
                                                                                               -- Record checksum
 upd_guid
                                 uniqueidentifier NOT NULL,
                                                                                               -- Guid for update operation
 upd mode
                                 SMALLINT NOT NULL,
                                                                                               -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                                 DATETIME NOT NULL.
                                                                                               -- Date / Time of the update
                                 INTEGER NOT NULL,
 upd_checksum
                                                                                               -- Checksum
 upd rowguid
                                 uniqueidentifier ROWGUIDCOL DEFAULT newid()
                                    UNIQUE NOT NULL,
                                                                                               -- Global unique record identifier
 PRIMARY KEY
                                 ( opps321ip_output_id, upd_mode desc, upd_guid )
);
```

#### CREATE TABLE output\_save INTEGER NOT NULL, -- ID of partition for this input op partition op\_public SMALLINT NOT NULL, -- publication INTEGER NOT NULL, -- Unique database ID of output point op\_output\_id op\_point\_name varchar(32) NOT NULL, -- name of output point SMALLINT NOT NULL, op enable -- point enabled or not op\_point\_number SMALLINT NOT NULL, -- output number op term id INTEGER. -- terminal ID that has this output op\_query\_string CHAR(64), -- query string enter by user op\_active\_state SMALLINT NOT NULL, -- active state (0-4) op duration SMALLINT NOT NULL, -- duration in secs (only for timed active state) site CHAR(32) NOT NULL, -- Site Name uniqueidentifier NOT NULL, -- Global unique record identifier op\_guid op\_checksum INTEGER NOT NULL, -- Record checksum upd guid uniqueidentifier NOT NULL, -- Guid for update operation upd\_mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) upd\_timestamp DATETIME NOT NULL, -- Date / Time of the update upd\_checksum INTEGER NOT NULL, -- Checksum upd\_rowguid uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier PRIMARY KEY ( op partition, op output id, upd mode desc, upd guid) ); CREATE TABLE p2kadxmap am SiteDirectorName VARCHAR(50) NOT NULL, -- Site director's name am SiteDirectorIP VARCHAR(50) NOT NULL, -- Site director's ip address am\_DeviceID VARCHAR(50) NOT NULL, -- registration device id am ADSRepository VARCHAR(50) NOT NULL, -- ADS Reposistory name am HostIP VARCHAR(50) NOT NULL, -- P2000 Host IP address CHAR(32) NOT NULL, -- Site Name site uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, am\_guid -- Global unique record identifier am\_checksum INT NOT NULL, PRIMARY KEY ( am\_SiteDirectorName, site ) ); CREATE TABLE p2kadxmap save am SiteDirectorName VARCHAR(50) NOT NULL, -- Site director's name am SiteDirectorIP VARCHAR(50) NOT NULL, -- Site director's ip address am DeviceID VARCHAR(50) NOT NULL, -- registration device id VARCHAR(50) NOT NULL, -- ADS Reposistory name am\_ADSRepository VARCHAR(50) NOT NULL, -- P2000 Host IP address am HostIP site CHAR(32) NOT NULL, -- Site Name uniqueidentifier NOT NULL, am guid -- Global unique record identifier am checksum INT NOT NULL, uniqueidentifier NOT NULL, upd guid -- Guid for update operation SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) upd\_mode DATETIME NOT NULL, -- Date / Time of the update upd\_timestamp upd checksum INTEGER NOT NULL, -- Checksum uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier upd\_rowguid PRIMARY KEY ( am\_SiteDirectorName, site, upd\_mode desc, upd\_guid ) );

#### **CREATE TABLE** P900sysparameters

```
sp_facility_code
                            SMALLINT NOT NULL,
                                                                              -- 0 = disable, 1 = alarm, 2 = report
                                                                              -- 0 = disable, 1 = alarm, 2 = report
sp_access_group
                            SMALLINT NOT NULL,
sp disabled badge
                            SMALLINT NOT NULL,
                                                                              -0 = disable, 1 = alarm, 2 = report
sp_issue_level
                            SMALLINT NOT NULL,
                                                                              -0 = disable, 1 = alarm, 2 = report
```

```
SMALLINT NOT NULL,
                                                                             -0 = disable, 1 = alarm, 2 = report
 sp badge not found
 sp timezone
                             SMALLINT NOT NULL,
                                                                             -- 0 = disable, 1 = alarm, 2 = report
 sp_pin_violation
                             SMALLINT NOT NULL,
                                                                             -- 0 = disable, 1 = alarm, 2 = report
                                                                             -0 = disable, 1 = alarm, 2 = report
 sp local anti passback
                             SMALLINT NOT NULL,
 sp valid not open
                             SMALLINT NOT NULL,
                                                                             -0 = disable, 1 = alarm, 2 = report
 sp_facility_code_p
                             SMALLINT NOT NULL,
                                                                             -- 0 = disable, 1 = alarm, 2 = report
                                                                             -1 = popup
 sp_access_group_p
                             SMALLINT NOT NULL,
                                                                             -- 1 = popup
 sp_disabled_badge_p
                             SMALLINT NOT NULL,
                                                                             -- 1 = popup
 sp issue level p
                             SMALLINT NOT NULL,
                                                                             -1 = popup
 sp badge not found p
                             SMALLINT NOT NULL,
 sp_timezone_p
                             SMALLINT NOT NULL,
                                                                             -- 1 = popup
 sp_pin_violation_p
                             SMALLINT NOT NULL,
                                                                             -- 1 = popup
 sp_local_anti_passback_p
                             SMALLINT NOT NULL,
                                                                             -- 1 = popup
 sp valid_not_open_p
                                                                             -- 1 = popup
                             SMALLINT NOT NULL.
 sp_facility_code_i
                             INTEGER NULL REFERENCES alrminst(ai id)
                                NOT FOR REPLICATION,
                                                                             -- facility code alarm instruction text ID if not null
                             INTEGER NULL REFERENCES alrminst(ai_id)
 sp_access_group_i
                                NOT FOR REPLICATION,
                                                                             -- access group alarm instruction text ID if not null
 sp disabled badge i
                             INTEGER NULL REFERENCES alrminst(ai id)
                                                                             -- disabled badge alarm instruction text ID if not null
                                NOT FOR REPLICATION,
 sp_issue_level_i
                             INTEGER NULL REFERENCES alrminst(ai_id)
                                NOT FOR REPLICATION,
                                                                             -- issue level alarm instruction text ID if not null
 sp\_badge\_not\_found\_i
                             INTEGER NULL REFERENCES alrminst(ai_id)
                                NOT FOR REPLICATION,
                                                                             -- badge not found alarm instruction text ID if not null
 sp timezone i
                             INTEGER NULL REFERENCES alrminst(ai id)
                                NOT FOR REPLICATION,
                                                                             -- timezone alarm instruction text ID if not null
 sp_pin_violation_i
                             INTEGER NULL REFERENCES alrminst(ai_id)
                                NOT FOR REPLICATION,
                                                                             -- pin violation alarm instruction text ID if not null
 sp local anti passback i
                             INTEGER NULL REFERENCES alrminst(ai id)
                                NOT FOR REPLICATION,
                                                                             -- local anti-passback alarm instruction text ID if not null
                             INTEGER NULL REFERENCES alrminst(ai id)
 sp_valid_not_open_i
                                NOT FOR REPLICATION,
                                                                             -- local anti-passback alarm instruction text ID if not null
 sp_holdoff_time
                             SMALLINT NOT NULL,
                                                                             -- holdoff time, 0 - as door relay time, otherwise 1-255 seconds
                             SMALLINT NOT NULL,
                                                                             -- 0 - 255 seconds
 sp repeat xaction time
 sp_local_forgiveness
                             SMALLINT NOT NULL,
                                                                             -- 0 - disable, 1 - enabled, 2 - reset(local forgiveness NOW)
 sp_local_forgiveness_time
                             DATETIME NOT NULL,
 sp_card_mode
                             SMALLINT NOT NULL,
 site
                             CHAR(32) NOT NULL PRIMARY KEY,
                                                                             -- Site Name
 sp_guid
                             uniqueidentifier ROWGUIDCOL
                                UNIQUE NOT NULL,
                                                                             -- Global unique record identifier
                             INTEGER NOT NULL,
                                                                             -- Record checksum
 sp_checksum
);
CREATE TABLE P900sysparameters_save
                             SMALLINT NOT NULL,
                                                                             -- 0 = disable, 1 = alarm, 2 = report
 sp_facility_code
                             SMALLINT NOT NULL,
                                                                             -0 = disable, 1 = alarm, 2 = report
 sp_access_group
 sp disabled badge
                             SMALLINT NOT NULL,
                                                                             -0 = disable, 1 = alarm, 2 = report
 sp_issue_level
                             SMALLINT NOT NULL,
                                                                             --0 = disable, 1 = alarm, 2 = report
 sp_badge_not_found
                             SMALLINT NOT NULL,
                                                                             -- 0 = disable, 1 = alarm, 2 = report
                                                                             -0 = disable, 1 = alarm, 2 = report
 sp_timezone
                             SMALLINT NOT NULL,
 sp_pin_violation
                                                                             -0 = disable, 1 = alarm, 2 = report
                             SMALLINT NOT NULL,
 sp local anti passback
                             SMALLINT NOT NULL,
                                                                             --0 = disable, 1 = alarm, 2 = report
 sp valid not open
                             SMALLINT NOT NULL,
                                                                             -0 = disable, 1 = alarm, 2 = report
                                                                             -- 0 = disable, 1 = alarm, 2 = report
 sp_facility_code_p
                             SMALLINT NOT NULL,
 sp_access_group_p
                             SMALLINT NOT NULL,
                                                                             -- 1 = popup
 sp disabled_badge_p
                             SMALLINT NOT NULL.
                                                                             -1 = popup
                                                                             -1 = popup
 sp issue level p
                             SMALLINT NOT NULL,
```

-1 = popup

-- 1 = popup

-- 1 = popup

-- 1 = popup

-1 = popup

SMALLINT NOT NULL,

sp badge not found p

sp local anti passback p

sp\_timezone\_p

sp\_pin\_violation\_p

sp valid not open p

	sp_facility_code_i	INTEGER NULL,	facility code alarm instruction text ID if not null
	sp_access_group_i	INTEGER NULL,	access group alarm instruction text ID if not null
	sp_disabled_badge_i	INTEGER NULL,	disabled badge alarm instruction text ID if not null
	sp_issue_level_i	INTEGER NULL,	issue level alarm instruction text ID if not null
	sp_badge_not_found_i	INTEGER NULL,	badge not found alarm instruction text ID if not null
	sp_timezone_i	INTEGER NULL,	timezone alarm instruction text ID if not null
	sp_pin_violation_i	INTEGER NULL,	pin violation alarm instruction text ID if not null
	sp_local_anti_passback_i	INTEGER NULL,	local anti-passback alarm instruction text ID if not null
	sp_valid_not_open_i	INTEGER NULL,	local anti-passback alarm instruction text ID if not null
	sp_holdoff_time	SMALLINT NOT NULL,	holdoff time, 0 - as door relay time, otherwise 1-255 seconds
	sp_repeat_xaction_time	SMALLINT NOT NULL,	0 - 255 seconds
	sp_local_forgiveness	SMALLINT NOT NULL,	0 - disable, 1 - enabled, 2 - reset(local forgiveness NOW)
	sp_local_forgiveness_time	DATETIME NOT NULL,	
	sp_card_mode	SMALLINT NOT NULL,	
	site	CHAR(32) NOT NULL,	Site Name
	sp_guid	uniqueidentifier NOT NULL,	Global unique record identifier
	sp_checksum	INTEGER NOT NULL,	Record checksum
	upd_guid	uniqueidentifier NOT NULL,	Guid for update operation
	upd_mode	SMALLINT NOT NULL,	Update mode (0 - delete, 1 - edit, 2 - new)
	upd_timestamp	DATETIME NOT NULL,	Date / Time of the update
	upd_checksum	INTEGER NOT NULL,	Checksum
	upd_rowguid	uniqueidentifier ROWGUIDCOL DEFAULT newid()	
		UNIQUE NOT NULL,	Global unique record identifier
	PRIMARY KEY	(site, upd_mode desc, upd_guid)	
);			

# **CREATE TABLE** panel

p_partition	INTEGER REFERENCES partition(part_number)	22 B. 11142 111
1.12	NOT FOR REPLICATION,	partition ID to which this panel belongs
p_public	SMALLINT,	1 = panel is public, 0 = panel is private
p_unit_name	VARCHAR(32) NOT NULL,	user entered name
p_panel_id	INTEGER IDENTITY NOT FOR	
	REPLICATION UNIQUE,	unique database ID
p_query_string	CHAR(64) NULL,	query string entered by user
p_enabled	SMALLINT NOT NULL,	1 = enabled
p_code_major_version	SMALLINT,	Panel firmware revision major portion
p_code_minor_version	SMALLINT,	Panel firmware revision minor portion
p_code_build_version	SMALLINT,	Panel firmware revision build portion
p_ipl_major_version	SMALLINT,	Panel ipl firmware revision major portion
p_ipl_minor_version	SMALLINT,	Panel ipl firmware revision minor portion
p_ipl_build_version	SMALLINT,	Panel ipl firmware revision build portion
p_min_major_version	SMALLINT NOT NULL,	Minimum version of panel firmware that can use this record major portion
p_min_minor_version	SMALLINT NOT NULL,	Minimum version of panel firmware that can use this record minor portion
p_min_build_version	SMALLINT NOT NULL,	Minimum version of panel firmware that can use this record build portion
p_max_major_version	SMALLINT NOT NULL,	Maximum version of panel firmware that can use this record major portion
p_max_minor_version	SMALLINT NOT NULL,	Maximum version of panel firmware that can use this record minor portion
p_max_build_version	SMALLINT NOT NULL,	Maximum version of panel firmware that can use this record build portion
p_configuration_model	SMALLINT NOT NULL,	Panel model identifier 0 = Unknown, 1 = CK720, 2 = CK705, 3 = CK710
p_hardware_model	SMALLINT NOT NULL,	Panel model identifier 0 = Unknown, 1 = CK720, 2 = CK705, 3 = CK710
p version text	VARCHAR(70) NULL,	panel version string (set by comms)
p_time_date_offset	INTEGER NOT NULL,	time offset in mins
p_offset_enable	SMALLINT NOT NULL,	1 = enable time offset
p_ip_pri	CHAR(16) NULL,	primary IP address
p_ip_alt	CHAR(16) NULL,	alternate IP address
rr	, 1.022,	

```
p pri comm pref
                              SMALLINT NOT NULL,
                                                                             -- primary comm is preferred path
p_net_timeout
                              SMALLINT NOT NULL,
                                                                             -- network timeout in secs
p_lan_net_polling_interval
                              INTEGER NULL,
                                                                             -- Downloaded to panel for primary channel polling
p dialup net polling interval
                              INTEGER NULL,
                                                                             -- Downloaded to panel for alternate channel polling
                              INTEGER NULL,
                                                                             -- Host uses for primary channel polling
p lan net polling timeout
p_dialup_net_polling_timeout
                              INTEGER NULL,
                                                                             -- Host uses for alternate channel polling
                              INTEGER NOT NULL,
                                                                             -- panel address
p unit
                              SMALLINT NOT NULL,
p_poll_timeout
                                                                             -- Time in milliseconds to wait for a poll response
                                                                             -- Preferred poll direction, 0 = forward, 1 = reverse
p_poll_direction
                              SMALLINT NOT NULL.
p actual poll dir
                              SMALLINT NOT NULL,
                                                                             -- Actual poll direction, 0 = forward, 1 = reverse, -1 = unknown
p_retry_delay
                              SMALLINT NOT NULL,
                                                                             -- re establish delay for serial panels in seconds
p_inp_report_delay
                              SMALLINT NOT NULL,
                                                                             -- input reporting delay
p_out_report_delay
                              SMALLINT NOT NULL,
                                                                             -- output reporting delay
                              SMALLINT NOT NULL.
                                                                             -- 1 = timezone checking
p_tz_checking
p_pin_type
                              SMALLINT NOT NULL,
                                                                             --0 = algorithmic, 1 = custom
                                                                             -0 = 4 digits, 1 = 5 digits, 2 = 6 digits, etc.
p 4 or 5 digit
                              SMALLINT NOT NULL,
                              SMALLINT NOT NULL,
                                                                             -1 = \frac{\text{entry}}{\text{exit}}
p_inxit
                              SMALLINT NOT NULL,
                                                                             -- 1 = upload history
p_upload
                                                                             -- Site Name
site
                              CHAR(32) NOT NULL,
                              uniqueidentifier ROWGUIDCOL
p_guid
                                UNIQUE NOT NULL,
                                                                             -- Global unique record identifier
                              INTEGER NOT NULL,
                                                                             -- Record checksum
p_checksum
p_bacnet
                              SMALLINT NOT NULL,
                                                                             -1 = bacnet useses this panel.
p_loop_id
                              INTEGER NULL REFERENCES loopconfig(lc id)
                                NOT FOR REPLICATION,
                                                                             -- loop number
p_encryption_enabled
                              SMALLINT NOT NULL,
                                                                             -- 1 = encryption enabled
                              VARCHAR(256) NULL,
p_encryption_key
                                                                             -- encryption key up to 256 characters
PRIMARY KEY
                              ( p_partition, p_panel_id )
CREATE INDEX
                              p_public ON panel( p_public );
CREATE INDEX
                              p_ip_pri ON panel ( p_ip_pri );
CREATE INDEX
                              p_ip_alt ON panel ( p_ip_alt );
CREATE UNIQUE INDEX
                              p_site_name ON panel (site, p_unit_name);
```

#### CREATE TABLE panelholiday

(		
ph_panel_id	INTEGER REFERENCES panel(p_panel_id) NOT FOR REPLICATION,	panel ID
ph0	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph1	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph2	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph3	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph4	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph5	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph6	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph7	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph8	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph9	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph10	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph11	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph12	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph13	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph14	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph15	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph16	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph17	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph18	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph19	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph20	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph21	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph22	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph23	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph24	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph25	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)

ph26	INTEGER NULL REFERENCES holiday(ho id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph27	INTEGER NULL REFERENCES holiday(ho id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph28	INTEGER NULL REFERENCES holiday(ho id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph29	INTEGER NULL REFERENCES holiday(ho id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph30	INTEGER NULL REFERENCES holiday(ho id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph31	INTEGER NULL REFERENCES holiday(ho_id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph32	INTEGER NULL REFERENCES holiday(ho id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph33	INTEGER NULL REFERENCES holiday(ho id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph34	INTEGER NULL REFERENCES holiday(ho id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph35	INTEGER NULL REFERENCES holiday(ho id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph36	INTEGER NULL REFERENCES holiday(ho id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph37	INTEGER NULL REFERENCES holiday(ho id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph38	INTEGER NULL REFERENCES holiday(ho id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
ph39	INTEGER NULL REFERENCES holiday(ho id) NOT FOR REPLICATION,	holiday ID (NULL if empty)
site	CHAR(32) NOT NULL,	Site Name
ph guid	uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,	Global unique record identifier
ph checksum	INTEGER NOT NULL,	Record checksum
PRIMARY KEY	(ph panel id)	
);		

# CREATE TABLE panelholiday\_save

(		
ph_panel_id	INTEGER NOT NULL,	panel ID
ph0	INTEGER NULL,	holiday ID (NULL if empty)
ph1	INTEGER NULL,	holiday ID (NULL if empty)
ph2	INTEGER NULL,	holiday ID (NULL if empty)
ph3	INTEGER NULL,	holiday ID (NULL if empty)
ph4	INTEGER NULL,	holiday ID (NULL if empty)
ph5	INTEGER NULL,	holiday ID (NULL if empty)
ph6	INTEGER NULL,	holiday ID (NULL if empty)
ph7	INTEGER NULL,	holiday ID (NULL if empty)
ph8	INTEGER NULL,	holiday ID (NULL if empty)
ph9	INTEGER NULL,	holiday ID (NULL if empty)
ph10	INTEGER NULL,	holiday ID (NULL if empty)
ph11	INTEGER NULL,	holiday ID (NULL if empty)
ph12	INTEGER NULL,	holiday ID (NULL if empty)
ph13	INTEGER NULL,	holiday ID (NULL if empty)
ph14	INTEGER NULL,	holiday ID (NULL if empty)
ph15	INTEGER NULL,	holiday ID (NULL if empty)
ph16	INTEGER NULL,	holiday ID (NULL if empty)
ph17	INTEGER NULL,	holiday ID (NULL if empty)
ph18	INTEGER NULL,	holiday ID (NULL if empty)
ph19	INTEGER NULL,	holiday ID (NULL if empty)
ph20	INTEGER NULL,	holiday ID (NULL if empty)
ph21	INTEGER NULL,	holiday ID (NULL if empty)
ph22	INTEGER NULL,	holiday ID (NULL if empty)
ph23	INTEGER NULL,	holiday ID (NULL if empty)
ph24	INTEGER NULL,	holiday ID (NULL if empty)
ph25	INTEGER NULL,	holiday ID (NULL if empty)
ph26	INTEGER NULL,	holiday ID (NULL if empty)
ph27	INTEGER NULL,	holiday ID (NULL if empty)
ph28	INTEGER NULL,	holiday ID (NULL if empty)
ph29	INTEGER NULL,	holiday ID (NULL if empty)
ph30	INTEGER NULL,	holiday ID (NULL if empty)
ph31	INTEGER NULL,	holiday ID (NULL if empty)
ph32	INTEGER NULL,	holiday ID (NULL if empty)
ph33	INTEGER NULL,	holiday ID (NULL if empty)
ph34	INTEGER NULL,	holiday ID (NULL if empty)
ph35	INTEGER NULL,	holiday ID (NULL if empty)
ph36	INTEGER NULL,	holiday ID (NULL if empty)
ph37	INTEGER NULL,	holiday ID (NULL if empty)
ph38	INTEGER NULL,	holiday ID (NULL if empty)
ph39	INTEGER NULL,	holiday ID (NULL if empty)
=	•	

site CHAR(32) NOT NULL, -- Site Name -- Global unique record identifier ph\_guid uniqueidentifier NOT NULL, ph\_checksum INTEGER NOT NULL, -- Record checksum upd guid uniqueidentifier NOT NULL, -- Guid for update operation upd mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) -- Date / Time of the update upd\_timestamp DATETIME NOT NULL, upd checksum INTEGER NOT NULL, -- Checksum uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier upd rowguid PRIMARY KEY (ph panel id, upd mode desc, upd guid)

#### **CREATE TABLE** panelstatus

ps\_panel\_id INTEGER REFERENCES panel(p panel id) NOT FOR REPLICATION. -- unique database ID ps\_pref\_comm\_valid SMALLINT, -- primary comm is valid (calculated) -- up/down status (set by comms) ps status SMALLINT, ps\_status\_timestamp DATETIME. -- status timestamp (set by comms) ps\_last\_communication DATETIME NOT NULL, -- last communication timestamp (set by comms) ps dnld delay until DATETIME NOT NULL, -- Error Delay hold-off (Backoff Algorithm) ps dnld conn fails SMALLINT NOT NULL, -- # of consuccutive failures spanning service sessions INTEGER NOT NULL, -- Total # of consuccutive failures (cleared manually) ps\_dnld\_conn\_fails\_total ps\_dnld\_xfer\_fails SMALLINT NOT NULL, -- # of consuccutive failures spanning service sessions ps dnld xfer fails total INTEGER NOT NULL. -- Total # of consuccutive failures (cleared manually) ps stats cleared DATETIME NOT NULL, -- time stats were cleared (set manually) ps clock drift FLOAT NOT NULL, -- avg. clock drift in the panel INTEGER NOT NULL. ps\_max\_clock\_drift -- max clock drift seen from the panel ps\_port\_configuration SMALLINT NOT NULL, -0 = CK720 V2.0 and earlier port usage -1 = CK720 V2.1 port usage--2 = CK720 V2.2 port usageCHAR(32) NOT NULL, site -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier ps guid ps\_checksum INTEGER NOT NULL, -- Record checksum ps SN CHAR(22), -- Panel Serial Number if sent ps details timestamp DATETIME NULL, ps\_details1 VARCHAR(64) NULL, ps\_details2 VARCHAR(64) NULL, PRIMARY KEY (ps\_panel\_id) );

#### **CREATE TABLE** paneltz

(		
pt_panel_id	INTEGER REFERENCES panel(p_panel_id) NOT FOR REPLICATION,	panel ID
pt_tz_0	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_1	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_2	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_3	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_4	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_5	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_6	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_7	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_8	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_9	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_10	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_11	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_12	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_13	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_14	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_15	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_16	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_17	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_18	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)

pt_tz_19	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_20	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_21	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_22	·	` <u> </u>
pt_tz_23	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_24	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_25	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_26	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_27	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_28	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
	·	
pt_tz_29	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_30	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_31	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_32	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_33	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_34	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_35	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
	\ \bullet = \( \tau \)	
pt_tz_36	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_37	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_38	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_39	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_40	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_41	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_42	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
	·	` <u> </u>
pt_tz_43	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_44	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_45	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_46	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_47	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_48	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_49	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_50	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
	\ \bullet = \( \tau \)	
pt_tz_51	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_52	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_53	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_54	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_55	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_56	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_57	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_58	·	` <u> </u>
pt_tz_59	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_60	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_61	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_tz_62	INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt tz 63	INTEGER NULL REFERENCES timezone(tz_id) NOT FOR REPLICATION,	timezone ID (NULL if empty)
pt_og_0	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	
pt_og_1	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	
pt_og_2	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	
pt_og_3	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	
pt_og_4	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	1 0 1 1 17
pt_og_5	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	
pt_og_6	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	output group ID (NULL if empty)
pt_og_7	INTEGER NULL REFERENCES outputgrp(op group id) NOT FOR REPLICATION,	output group ID (NULL if empty)
pt_og_8	INTEGER NULL REFERENCES outputgrp(op group id) NOT FOR REPLICATION,	output group ID (NULL if empty)
pt_og_9	INTEGER NULL REFERENCES outputgrp(op group id) NOT FOR REPLICATION,	
pt og 10	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	1 0 1
		1 0 1 1 177
pt_og_11	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	
pt_og_12	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	1 0 1
pt_og_13	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	
pt_og_14	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	output group ID (NULL if empty)
pt_og_15	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	output group ID (NULL if empty)
pt_og_16	INTEGER NULL REFERENCES outputgrp(op group id) NOT FOR REPLICATION,	1 0 1
pt_og_17	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	
pt_og_17 pt_og_18	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	
pt_og_19	INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION,	output group ID (NOLL II empty)

```
pt og 20
                  INTEGER NULL REFERENCES outputgrp(op group id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_21
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_22
pt og 23
                  INTEGER NULL REFERENCES outputgrp(op group id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt og 24
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_25
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_26
pt_og_27
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt og 28
pt og 29
                   INTEGER NULL REFERENCES outputgrp(op group id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_30
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_31
pt_og_32
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
                   INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt og 33
pt og 34
                  INTEGER NULL REFERENCES outputgrp(op group id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_35
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_36
pt_og_37
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
                   INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt og 38
pt og 39
                   INTEGER NULL REFERENCES outputgrp(op group id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_40
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_41
                   INTEGER NULL REFERENCES outputgrp(op. group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_42
pt og 43
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt og 44
                  INTEGER NULL REFERENCES outputgrp(op group id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
                  INTEGER NULL REFERENCES outputgrp(op group id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt og 45
pt\_og\_46
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_47
pt_og_48
                   INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_49
pt_og_50
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_51
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_52
pt og 53
                  INTEGER NULL REFERENCES outputgrp(op group id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_54
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_55
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_56
                  INTEGER NULL REFERENCES outputgrp(op group id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
                   INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_57
pt_og_58
                   INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_59
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt_og_60
                   INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt og 61
                  INTEGER NULL REFERENCES outputgrp(op group id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
pt og 62
pt_og_63
                  INTEGER NULL REFERENCES outputgrp(op_group_id) NOT FOR REPLICATION, -- output group ID (NULL if empty)
                  CHAR(32) NOT NULL,
site
                                                                                            -- Site Name
                  uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                            -- Global unique record identifier
pt guid
pt checksum
                  INTEGER NOT NULL.
                                                                                            -- Record checksum
PRIMARY KEY
                  (pt panel id)
```

#### CREATE TABLE paneltz\_save

(		
pt_panel_id	INTEGER NOT NULL,	panel ID
pt_tz_0	INTEGER NULL,	timezone ID (NULL if empty)
pt_tz_1	INTEGER NULL,	timezone ID (NULL if empty)
pt_tz_2	INTEGER NULL,	timezone ID (NULL if empty)
pt_tz_3	INTEGER NULL,	timezone ID (NULL if empty)
pt_tz_4	INTEGER NULL,	timezone ID (NULL if empty)
pt_tz_5	INTEGER NULL,	timezone ID (NULL if empty)
pt_tz_6	INTEGER NULL,	timezone ID (NULL if empty)
pt_tz_7	INTEGER NULL,	timezone ID (NULL if empty)
pt_tz_8	INTEGER NULL,	timezone ID (NULL if empty)
pt_tz_9	INTEGER NULL,	timezone ID (NULL if empty)

P.   L.   10			
P. P. 11   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 12   INTEGER NULL,   - imazone ID (NULL if empty)   P. P. 13   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 15   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 15   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 17   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 17   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 18   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 19   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 19   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 19   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 19   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 19   P. P. 22   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 23   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 23   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 25   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 25   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 25   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 25   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 27   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 28   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 29   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 29   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 29   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 23   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 23   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 23   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 23   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 23   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 23   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 23   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 23   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 23   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 24   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 25   NTEGER NULL,   - imazone ID (NULL if empty)   P. P. 25   NTEGER NULL,   - imazone I	pt tz 10	INTEGER NULL,	timezone ID (NULL if empty)
P.   P.   12		,	* **
	. – –	· · · · · · · · · · · · · · · · · · ·	\ I 3/
P. P. 14		,	
P.   L.   15   NTEGER NULL,		,	
INTEGER NULL	. – –	,	
		,	
P.   P.   20			
P.   P.   2   NTEGER NULL   - timezone D (NULL if empty)	. – –	,	
pt_v_22   NTEGER NULL,	pt_tz_20	INTEGER NULL,	
P.   L.   23	pt_tz_21	INTEGER NULL,	
pt. pt. 24 pt. pt. 25 pt. pt. pt. 25 pt. pt. pt. 25 pt. pt. pt. 26 pt. pt. 27 pt. pt. 27 pt. pt. 28 pt. pt. pt. 28 pt. pt. pt. pt. 28 pt. pt. pt. 28 pt.	pt_tz_22	INTEGER NULL,	timezone ID (NULL if empty)
Pic. 24	pt tz 23	INTEGER NULL,	timezone ID (NULL if empty)
P.   L.   25	pt tz 24	INTEGER NULL,	timezone ID (NULL if empty)
P.   Lz   26			
PL   E   27	. – –	,	
PL   Lz   28		,	
pL v 29 pL v 30 pTeGER NULL pL v 31 pL v 32 pL v 32 pL v 32 pL v 33 pL v 33 pL v 34 pL v 34 pL v 34 pL v 35 pL v 35 pL v 36 pL v 37 pL v 36 pL v 37 pL v 36 pL			
pL 2 30 pL 2 31 pL 2 31 pL 2 32 pL 2 32 pL 2 33 pL 2 33 pL 2 33 pL 2 33 pL 2 34 pL 2 35 pL 2 35 pL 2 35 pL 2 35 pL 2 36 pL 2 36 pL 2 36 pL 2 37 pL 2 37 pL 2 37 pL 2 37 pL 2 38 pL 2 39 pL 2 38 pL 2 38 pL 2 39 pL 2 38 pL 2 40 pL 2 41 pL 2 42 pL 2 42 pL 2 42 pL 2 43 pL 2 42 pL 2 43 pL 2 44 pL 2 43 pL 2 44 pL 2 43 pL 2 44 pL 2 44 pL 2 44 pL 2 44 pL 2 45 pL 2 46 pL 2 46 pL 2 47 pL 2 47 pL 2 48 pL 2 48 pL 2 48 pL 2 49 pL 2 50 pL 2 49 pL 2 50 pL 2 49 pL 2 50 pL 2 5	. – –	,	
pt_z_31	. – –	,	
pt_tz_32   NTEGER NULL,			
pt ± 33	. – –		
pt 12 34	. – –	· · · · · · · · · · · · · · · · · · ·	
pt tz_35	pt_tz_33	INTEGER NULL,	timezone ID (NULL if empty)
pt_tz_36 pt_tz_37 pt_tz_38 pt_tz_38 pt_tz_38 pt_tz_38 pt_tz_38 pt_tz_40 pt_tz_40 pt_tz_40 pt_tz_40 pt_tz_40 pt_tz_40 pt_tz_41 pt_tz_41 pt_tz_41 pt_tz_42 pt_tz_42 pt_tz_42 pt_tz_43 pt_tz_43 pt_tz_44 pt_tz_44 pt_tz_44 pt_tz_45 pt_tz_45 pt_tz_45 pt_tz_45 pt_tz_46 pt_tz_46 pt_tz_47 pt_tz_48 pt_tz_48 pt_tz_48 pt_tz_48 pt_tz_49 pt_tz_49 pt_tz_49 pt_tz_49 pt_tz_49 pt_tz_49 pt_tz_49 pt_tz_49 pt_tz_40 pt_tz_40 pt_tz_40 pt_tz_41 pt_tz_41 pt_tz_41 pt_tz_42 pt_tz_43 pt_tz_44 pt_tz_45 pt_tz_45 pt_tz_45 pt_tz_45 pt_tz_46 pt_tz_46 pt_tz_47 pt_tz_48 pt_tz_48 pt_tz_48 pt_tz_49 pt_tz_48 pt_tz_50 pt_tz_49 pt_tz_50 pt_tt_t0 pt_tz_50 pt_tt_t0 pt_	pt_tz_34	INTEGER NULL,	timezone ID (NULL if empty)
pt_tz_37     INTEGER NULL,     pt_tz_38     INTEGER NULL,     pt_tz_39     INTEGER NULL,     pt_tz_40     INTEGER NULL,     pt_tz_40     INTEGER NULL,     pt_tz_40     INTEGER NULL,     pt_tz_41     INTEGER NULL,     pt_tz_41     INTEGER NULL,     pt_tz_42     INTEGER NULL,     pt_tz_43     INTEGER NULL,     pt_tz_44     INTEGER NULL,     pt_tz_45     INTEGER NULL,     pt_tz_46     INTEGER NULL,     pt_tz_47     INTEGER NULL,     pt_tz_48     INTEGER NULL,     pt_tz_49     INTEGER NULL,     pt_tz_48     INTEGER NULL,     pt_tz_49     INTEGER NULL,     pt_tz_49     INTEGER NULL,     pt_tz_49     INTEGER NULL,     pt_tz_49     INTEGER NULL,     pt_tz_51     INTEGER NULL,     pt_tz_51     INTEGER NULL,     pt_tz_52     INTEGER NULL,     pt_tz_53     INTEGER NULL,     pt_tz_54     INTEGER NULL,     pt_tz_55     INTEGER NULL,     pt_tz_56     INTEGER NULL,     pt_tz_57     INTEGER NULL,     pt_tz_58     INTEGER NULL,     pt_tz_59     INTEGER NULL,     pt_tz_50     INTEGER NULL,     pt_tz_51     pt_tz_51     pt_tz_52     pt_tz_53     pt_tz_54     pt_tz_55     pt_tz_55     pt_tz_56     pt_tz_57     pt_tz_57     pt_tz_58     pt_tz_59     pt_tz_59     pt_tz_59     pt_tz_59     pt_tz_59     pt_tz_59	pt_tz_35	INTEGER NULL,	timezone ID (NULL if empty)
pt. 12, 38  INTEGER NULL, pt. 12, 39  INTEGER NULL, pt. 12, 40  INTEGER NULL, pt. 12, 41  INTEGER NULL, pt. 12, 43  INTEGER NULL, pt. 12, 43  INTEGER NULL, pt. 12, 44  INTEGER NULL, pt. 12, 44  INTEGER NULL, pt. 12, 45  INTEGER NULL, pt. 12, 45  INTEGER NULL, pt. 12, 46  INTEGER NULL, pt. 12, 47  INTEGER NULL, pt. 12, 48  INTEGER NULL, pt. 12, 49  INTEGER NULL, pt. 12, 49  INTEGER NULL, pt. 12, 50  INTEGER NULL, pt. 12, 51  INTEGER NULL, pt. 12, 52  INTEGER NULL, pt. 12, 53  INTEGER NULL, pt. 12, 55  INTEGER NULL, pt. 12, 56  INTEGER NULL, pt. 12, 57  INTEGER NULL, pt. 12, 58  INTEGER NULL, pt. 12, 59  INTEGER NULL, pt. 12, 50  INTEGER NULL, pt. 12, 50  INTEGER NULL, pt. 12, 50  INTEGER NULL, pt. 12, 60  INTEGER NULL, pt. 14, 60  INTEGE	pt_tz_36	INTEGER NULL,	timezone ID (NULL if empty)
pt. 12, 38  INTEGER NULL, pt. 12, 39  INTEGER NULL, pt. 12, 40  INTEGER NULL, pt. 12, 41  INTEGER NULL, pt. 12, 43  INTEGER NULL, pt. 12, 43  INTEGER NULL, pt. 12, 44  INTEGER NULL, pt. 12, 44  INTEGER NULL, pt. 12, 45  INTEGER NULL, pt. 12, 45  INTEGER NULL, pt. 12, 46  INTEGER NULL, pt. 12, 47  INTEGER NULL, pt. 12, 48  INTEGER NULL, pt. 12, 49  INTEGER NULL, pt. 12, 49  INTEGER NULL, pt. 12, 50  INTEGER NULL, pt. 12, 51  INTEGER NULL, pt. 12, 52  INTEGER NULL, pt. 12, 53  INTEGER NULL, pt. 12, 55  INTEGER NULL, pt. 12, 56  INTEGER NULL, pt. 12, 57  INTEGER NULL, pt. 12, 58  INTEGER NULL, pt. 12, 59  INTEGER NULL, pt. 12, 50  INTEGER NULL, pt. 12, 50  INTEGER NULL, pt. 12, 50  INTEGER NULL, pt. 12, 60  INTEGER NULL, pt. 14, 60  INTEGE	pt tz 37	INTEGER NULL,	timezone ID (NULL if empty)
p_tz_40			1 - 7
p_tz_0 p_tz_4 p_tz_4 p_tz_4 p_tz_4 p_tz_4 p_tz_5 p_tz_4 p_tz_5 p_tz_4 p_		,	
p_tz_41 p_tz_42 p_tz_43 p_tz_43 p_tz_44 p_tz_54 p_tz_55 p_tz_56 p_tz_55 p_tz_56 p_tz_56 p_tz_56 p_tz_56 p_tz_56 p_tz_57 p_tz_56 p_tz_57 p_tz_58 p_tz_58 p_tz_58 p_tz_58 p_tz_58 p_tz_58 p_tz_59 p_tz_58 p_tz_59 p_tz_58 p_tz_59 p_tz_59 p_tz_56 p_tz_56 p_tz_56 p_tz_56 p_tz_56 p_tz_57 p_tz_58 p_tz_57 p_tz_58 p_tz_58 p_tz_59 p_tz_50 p_tz_60 p_tz_6			1 2 2 7
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p_tz_43 p_tz_44 p_tz_45 p_tz_45 p_tz_45 p_tz_46 p_tz_46 p_tz_46 p_tz_46 p_tz_47 p_tz_48 p_tz_48 p_tz_48 p_tz_49 p_tz_49 p_tz_49 p_tz_50 p_tz_51 p_tz_51 p_tz_52 p_tz_52 p_tz_52 p_tz_53 p_tz_53 p_tz_53 p_tz_53 p_tz_54 p_tz_54 p_tz_55 p_tz_55 p_tz_55 p_tz_55 p_tz_55 p_tz_55 p_tz_55 p_tz_56 p_tz_56 p_tz_57 p_tz_57 p_tz_58 p_tz_58 p_tz_59 p_tz_50 p_tz_5		,	
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p_tz_45 INTEGER NULL, pt_tz_46 INTEGER NULL, pt_tz_47 INTEGER NULL, pt_tz_48 INTEGER NULL, pt_tz_48 INTEGER NULL, pt_tz_49 INTEGER NULL, pt_tz_50 INTEGER NULL, pt_tz_51 INTEGER NULL, pt_tz_51 INTEGER NULL, pt_tz_52 INTEGER NULL, pt_tz_53 INTEGER NULL, pt_tz_53 INTEGER NULL, pt_tz_55 INTEGER NULL, pt_tz_56 INTEGER NULL, pt_tz_57 INTEGER NULL, pt_tz_58 INTEGER NULL, pt_tz_59 INTEGER NULL, pt_tz_59 INTEGER NULL, pt_tz_58 INTEGER NULL, pt_tz_59 INTEGER NULL, pt_tz_59 INTEGER NULL, pt_tz_50 INTEGER NULL, pt_tz_51 INTEGER NULL, pt_tz_52 INTEGER NULL, pt_tz_53 INTEGER NULL, pt_tz_54 INTEGER NULL, pt_tz_55 INTEGER NULL, pt_tz_56 INTEGER NULL, pt_tz_57 INTEGER NULL, pt_tz_58 INTEGER NULL, pt_tz_59 INTEGER NULL, pt_tz_60 INTEGER NULL, pt_tz_60 INTEGER NULL, pt_tz_60 INTEGER NULL, pt_tz_60 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_tz_64 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_tz_64 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_tz_64 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tg_ty_ty_ty_ty_ty_ty_ty_ty_ty_ty_ty_ty_ty_			1 - 7
p_1z_46 p_1z_47 p_1z_48 p_1z_48 p_1z_48 p_1z_49 p_1z_49 p_1z_50 p_1z_50 p_1z_51 p_1z_52 p_1z_53 p_1z_53 p_1z_54 p_1z_55 p_1z_55 p_1z_55 p_1z_55 p_1z_55 p_1z_56 p_1z_56 p_1z_56 p_1z_57 p_1z_57 p_1z_58 p_1z_58 p_1z_59 p_1z_59 p_1z_59 p_1z_59 p_1z_59 p_1z_59 p_1z_50 p_1z_50 p_1z_50 p_1z_50 p_1z_50 p_1z_50 p_1z_50 p_1z_51 p_1z_52 p_1z_53 p_1z_53 p_1z_53 p_1z_53 p_1z_54 p_1z_55 p_1z_56 p_1z_56 p_1z_56 p_1z_56 p_1z_56 p_1z_57 p_1z_58 p_1z_59 p_1z_59 p_1z_59 p_1z_59 p_1z_59 p_1z_59 p_1z_50 p_1z_5		,	
p_1z_47 INTEGER NULL, pt_z_48 INTEGER NULL, pt_z_49 INTEGER NULL, pt_z_49 INTEGER NULL, pt_z_50 INTEGER NULL, pt_z_51 INTEGER NULL, pt_z_52 INTEGER NULL, pt_z_52 INTEGER NULL, pt_z_53 INTEGER NULL, pt_z_53 INTEGER NULL, pt_z_54 INTEGER NULL, pt_z_55 INTEGER NULL, pt_z_56 INTEGER NULL, pt_z_56 INTEGER NULL, pt_z_57 INTEGER NULL, pt_z_58 INTEGER NULL, pt_z_58 INTEGER NULL, pt_z_59 INTEGER NULL, pt_z_59 INTEGER NULL, pt_z_50 INTEGER NULL, pt_z_50 INTEGER NULL, pt_z_51 INTEGER NULL, pt_z_52 INTEGER NULL, pt_z_55 INTEGER NULL, pt_z_56 INTEGER NULL, pt_z_56 INTEGER NULL, pt_z_57 INTEGER NULL, pt_z_58 INTEGER NULL, pt_z_58 INTEGER NULL, pt_z_59 INTEGER NULL, pt_z_59 INTEGER NULL, pt_z_60 INTEGER NULL, pt_z_60 INTEGER NULL, pt_z_61 INTEGER NULL, pt_z_62 INTEGER NULL, pt_z_62 INTEGER NULL, pt_z_63 INTEGER NULL, pt_z_64 INTEGER NULL, pt_z_65 INTEGER NULL, pt_z_65 INTEGER NULL, pt_z_60 INTEGER NULL, pt_z_61 INTEGER NULL, pt_z_62 INTEGER NULL, pt_z_63 INTEGER NULL, pt_z_64 INTEGER NULL, pt_z_65 INTEGER NULL, pt_z_65 INTEGER NULL, pt_z_66 INTEGER NULL, pt_z_67 INTEGER NULL, pt_z_68 INTEGER NULL, pt_z_69 INTEGER NULL, pt_z_60 INTEGER NULL, pt_z_61 INTEGER NULL, pt_z_62 INTEGER NULL, pt_z_63 INTEGER NULL, pt_z_64 INTEGER NULL, pt_z_65 INTEGER NULL, pt_z_65 INTEGER NULL, pt_z_66 INTEGER NULL, pt_z_67 INTEGER NULL, pt_z_68 INTEGER NULL, pt_z_69 INTEGER NULL, pt_z_69 INTEGER NULL, pt_z_60 INTEGER NULL, pt_z_61 INTEGER NULL, pt_z_62 INTEGER NULL, pt_z_63 INTEGER NULL, pt_z_64 INTEGER NULL, pt_z_65 INTEGER NULL, pt_z_66 INTEGER NULL, pt_z_67 INTEGER NULL, pt_z_68 INTEGER NULL, pt_z_69 INTEGER NULL, pt_z_60 INTEGER NULL, pt_z_61 INTEGER NULL,			1 - 7
pt_tz_48 INTEGER NULL, pt_tz_49 INTEGER NULL, pt_tz_50 INTEGER NULL, pt_tz_51 INTEGER NULL, pt_tz_51 INTEGER NULL, pt_tz_52 INTEGER NULL, pt_tz_53 INTEGER NULL, pt_tz_53 INTEGER NULL, pt_tz_54 INTEGER NULL, pt_tz_55 INTEGER NULL, pt_tz_55 INTEGER NULL, pt_tz_56 INTEGER NULL, pt_tz_56 INTEGER NULL, pt_tz_57 INTEGER NULL, pt_tz_58 INTEGER NULL, pt_tz_58 INTEGER NULL, pt_tz_59 INTEGER NULL, pt_tz_59 INTEGER NULL, pt_tz_59 INTEGER NULL, pt_tz_50 INTEGER NULL, pt_tz_50 INTEGER NULL, pt_tz_51 INTEGER NULL, pt_tz_51 INTEGER NULL, pt_tz_52 INTEGER NULL, pt_tz_53 INTEGER NULL, pt_tz_54 INTEGER NULL, pt_tz_55 INTEGER NULL, pt_tz_56 INTEGER NULL, pt_tz_57 INTEGER NULL, pt_tz_58 INTEGER NULL, pt_tz_59 INTEGER NULL, pt_tz_50 INTEGER NULL, pt_tz_60 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_tz_64 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_tz_64 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tt_tc_63 INTEGER NULL, pt_tt_tc_64 INTEGER NULL, pt_tt_tc_65 INTEGER NULL, pt_tt_tc_65 INTEGER NULL, pt_tt_tc_66 INTEGER NULL, pt_tt_tc_67 INTEGER NULL, pt_tt_tc_68 INTEGER NULL, pt_tt_tf_tt_tt_tt_tt_tt_tt_tt_tt_tt_tt_tt		,	1 2 7
pt_tz_49 pt_tz_50 pt_tz_51 pt_tz_51 pt_tz_51 pt_tz_51 pt_tz_52 pt_tz_53 pt_tz_53 pt_tz_53 pt_tz_53 pt_tz_53 pt_tz_54 pt_tz_54 pt_tz_55 pt_tz_55 pt_tz_55 pt_tz_55 pt_tz_55 pt_tz_56 pt_tz_57 pt_tz_57 pt_tz_58 pt_tz_58 pt_tz_59 pt_tz_59 pt_tz_59 pt_tz_59 pt_tz_59 pt_tz_50 pt_tz_50 pt_tz_50 pt_tz_50 pt_tz_50 pt_tz_51 pt_tz_50 pt_tz_51 pt_tz_50 pt_tz_51 pt_tz_50 pt_tt_tt_50 pt_tt_	pt_tz_47	INTEGER NULL,	
pt_tz_50	pt_tz_48	INTEGER NULL,	timezone ID (NULL if empty)
pt_tz_51 INTEGER NULL, pt_tz_52 INTEGER NULL, pt_tz_53 INTEGER NULL, pt_tz_54 INTEGER NULL, pt_tz_55 INTEGER NULL, pt_tz_55 INTEGER NULL, pt_tz_56 INTEGER NULL, pt_tz_57 INTEGER NULL, pt_tz_57 INTEGER NULL, pt_tz_58 INTEGER NULL, pt_tz_59 INTEGER NULL, pt_tz_59 INTEGER NULL, pt_tz_50 INTEGER NULL, pt_tz_51 INTEGER NULL, pt_tz_51 INTEGER NULL, pt_tz_52 INTEGER NULL, pt_tz_53 INTEGER NULL, pt_tz_54 INTEGER NULL, pt_tz_55 INTEGER NULL, pt_tz_56 INTEGER NULL, pt_tz_57 INTEGER NULL, pt_tz_58 INTEGER NULL, pt_tz_59 INTEGER NULL, pt_tz_60 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_og_0 INTEGER NULL, pt_og_0 INTEGER NULL, pt_og_1 INTEGER NULL, pt_og_1 INTEGER NULL, pt_og_2 INTEGER NULL, pt_og_2 INTEGER NULL, pt_og_3 INTEGER NULL, pt_og_4 INTEGER NULL, pt_og_5 INTEGER NULL, pt_og_5 INTEGER NULL, pt_og_6 INTEGER NULL, pt_og_6 INTEGER NULL, pt_og_7 INTEGER NULL, pt_og_8 INTEGER NULL, pt_og_9 INTEGER NULL, in cutput group ID (NULL if empty) pt_og_9 INTEGER NULL, in cutput group ID (NULL if empty) pt_og_9 INTEGER NULL, in cutput group ID (NULL if empty) pt_og_9 INTEGER NULL, in cutput group ID (NULL if empty) pt_og_9 INTEGER NULL, in cutput group ID (NULL if empty) pt_og_9 INTEGER NULL, in cutput group ID (NULL if empty) pt_og_9 INTEGER NULL, in cutput group ID (NULL if empty) pt_og_9 INTEGER NULL, in cutput group ID (NULL if empty) pt_og_9 INTEGER NULL, in cutput group ID (NULL if empty) pt_og_9 INTEGER NULL, in cutput group ID (NULL if empty) in cutput group ID (NUL	pt_tz_49	INTEGER NULL,	timezone ID (NULL if empty)
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pt_z_53 INTEGER NULL, pt_tz_54 INTEGER NULL, pt_tz_55 INTEGER NULL, pt_tz_55 INTEGER NULL, pt_tz_56 INTEGER NULL, pt_tz_57 INTEGER NULL, pt_tz_57 INTEGER NULL, pt_tz_58 INTEGER NULL, pt_tz_59 INTEGER NULL, pt_tz_60 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_tz_64 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_tz_64 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_tz_64 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_66 INTEGER NULL, pt_tz_67 INTEGER NULL, pt_tz_68 INTEGER NULL, pt_tz_69 INTEGER NULL, pt_tz_69 INTEGER NULL, pt_tz_60 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_tz_64 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_66 INTEGER NULL, pt_tz_67 INTEGER NULL, pt_tz_68 INTEGER NULL, pt_tz_69 INTEGER NULL, pt_tz_69 INTEGER NULL, pt_tz_69 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_tz_64 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_65 INTEGER NULL, pt_tz_66 INTEGER NULL, pt_tz_67 INTEGER NULL, pt_tz_68 INTEGER NULL, pt_tz_69 INTEGER NULL, pt_tz_69 INTEGER NULL, pt_tz_69 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_66 INTEGER NULL, pt_tz_67 INTEGER NULL, pt_tz_67 INTEGER NULL, pt_tz_68 INTEGER NULL, pt_tz_68 INTEGER NULL, pt_tz_69 INTEGER NULL,	pt tz 52	INTEGER NULL,	timezone ID (NULL if empty)
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pt_tz_56    INTEGER NULL,    pt_tz_57    INTEGER NULL,    pt_tz_58    INTEGER NULL,    pt_tz_59    INTEGER NULL,    pt_tz_60    INTEGER NULL,    pt_tz_61    INTEGER NULL,    pt_tz_61    INTEGER NULL,    pt_tz_62    INTEGER NULL,    pt_tz_63    INTEGER NULL,    pt_tz_63    INTEGER NULL,    pt_tz_63    INTEGER NULL,    pt_tz_61    INTEGER NULL,    pt_tz_63    INTEGER NULL,    pt_tz_63    INTEGER NULL,    pt_tz_61    INTEGER NULL,    pt_tz_63    INTEGER NULL,    pt_tz_63    INTEGER NULL,    pt_tz_61    INTEGER NULL,    pt_tz_61    INTEGER NULL,    pt_tz_62    INTEGER NULL,    pt_tz_63    INTEGER NULL,    pt_tz_64    INTEGER NULL,    pt_tz_65    INTEGER NULL,    pt_tz_66    INTEGER NULL,    pt_tz_67    INTEGER NULL,    pt_tz_68    INTEGER NULL,    pt_tz_69    INTEGER NULL,    pt_tz_69    INTEGER NULL,    pt_tz_69    INTEGER NULL,    pt_tz_61    INTEGER NULL,    pt_tz_62    INTEGER NULL,    pt_tz_63    INTEGER NULL,    pt_tz_64    INTEGER NULL,    pt_tz_65    INTEGER NULL,    pt_tz_67    INTEGER NULL,    pt_tz_68    INTEGER NULL,    pt_tz_69    INTEGER NULL,    pt_tz_69    INTEGER NULL,    pt_tz_61    INTEGER NULL,    pt_tz_62    INTEGER NULL,    pt_tz_62    INTEGER NULL,    pt_tz_63    INTEGER NULL,    pt_tz_64    INTEGER NULL,    pt_tz_65    INTEGER NULL,    pt_tz_65    INTEGER NULL,    pt_tz_65    INTEGER NULL,    pt_tz_66    INTEGER NULL,    pt_tz_67    INTEGER NULL,    pt_tz_67    INTEGER NULL,    pt_tz_67    INTEGER NULL,    pt_tt_tt_triangently    trimezone ID (NULL if empty)    pt_tz_69    INTEGER NULL,    pt_tt_tt_trimezone ID (NULL if empty)    pt_tt_tt_trimezone ID (NUL			
pt_tz_57 INTEGER NULL, pt_tz_58 INTEGER NULL, pt_tz_59 INTEGER NULL, pt_tz_60 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_og_0 INTEGER NULL, pt_og_0 INTEGER NULL, pt_og_1 INTEGER NULL, pt_og_1 INTEGER NULL, pt_og_2 INTEGER NULL, pt_og_2 INTEGER NULL, pt_og_3 INTEGER NULL, pt_og_4 INTEGER NULL, pt_og_4 INTEGER NULL, pt_og_5 INTEGER NULL, pt_og_5 INTEGER NULL, pt_og_6 INTEGER NULL, pt_og_6 INTEGER NULL, pt_og_7 INTEGER NULL, pt_og_7 INTEGER NULL, pt_og_8 INTEGER NULL, pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_output group ID (NULL if empty)			
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pt_tz_59 INTEGER NULL, pt_tz_60 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_og_0 INTEGER NULL, pt_og_1 INTEGER NULL, pt_og_2 INTEGER NULL, pt_og_3 INTEGER NULL, pt_og_4 INTEGER NULL, pt_og_5 INTEGER NULL, pt_og_6 INTEGER NULL, pt_og_6 INTEGER NULL, pt_og_6 INTEGER NULL, pt_og_7 INTEGER NULL, pt_og_6 INTEGER NULL, pt_og_7 INTEGER NULL, pt_og_8 INTEGER NULL, pt_og_9 INTEGER NULL, pt_og_9 INTEGER NULL, pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_og_6 INTEGER NULL, pt_og_7 INTEGER NULL, pt_og_8 INTEGER NULL, pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_og_9 pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_output group ID (NULL if empty) pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty)		· · · · · · · · · · · · · · · · · · ·	1 3 /
pt_tz_60 INTEGER NULL, pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_og_0 INTEGER NULL, pt_og_1 INTEGER NULL, pt_og_2 INTEGER NULL, pt_og_3 INTEGER NULL, pt_og_4 INTEGER NULL, pt_og_5 INTEGER NULL, pt_og_5 INTEGER NULL, pt_og_6 INTEGER NULL, pt_og_6 INTEGER NULL, pt_og_7 INTEGER NULL, pt_og_8 INTEGER NULL, pt_og_9 INTEGER NULL, pt_og_9 INTEGER NULL, pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_otop INTEGER NULL, pt_output group ID (NULL if empty) pt_otop INTEGER NULL, pt_output group ID (NULL if empty) pt_og_6 INTEGER NULL, pt_og_7 INTEGER NULL, pt_og_8 INTEGER NULL, pt_og_9 INTEGER NULL if empty) pt_og_9 INTEGER NULL if empty) pt_output group ID (NULL if empty) pt_output group ID (NULL if empty) pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_output group ID (NULL if empty) pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty) pt_output group ID (NULL if empty) pt_output group ID (NULL if empty) pt_og_9 INTEGER NULL, pt_output group ID (NULL if empty)	. – –	· ·	
pt_tz_61 INTEGER NULL, pt_tz_62 INTEGER NULL, pt_tz_63 INTEGER NULL, pt_og_0 INTEGER NULL, pt_og_1 INTEGER NULL, pt_og_2 INTEGER NULL, pt_og_3 INTEGER NULL, pt_og_4 INTEGER NULL, pt_og_5 INTEGER NULL, pt_og_5 INTEGER NULL, pt_og_6 INTEGER NULL, pt_og_6 INTEGER NULL, pt_og_6 INTEGER NULL, pt_og_7 INTEGER NULL, pt_og_8 INTEGER NULL, pt_og_9 INTEGER NULL, pt_og_9 INTEGER NULL, p timezone ID (NULL if empty) p output group ID (NULL if empty)			
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pt_tz_63 INTEGER NULL, pt_og_0 INTEGER NULL, pt_og_1 INTEGER NULL, pt_og_1 INTEGER NULL, pt_og_2 INTEGER NULL, pt_og_3 INTEGER NULL, pt_og_4 INTEGER NULL, pt_og_5 INTEGER NULL, pt_og_6 INTEGER NULL, pt_og_6 INTEGER NULL, pt_og_7 INTEGER NULL, pt_og_8 INTEGER NULL, pt_og_9 INTEGER NULL, pt_og_9 INTEGER NULL, p cutput group ID (NULL if empty) p			
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pt_og_8 INTEGER NULL, output group ID (NULL if empty) pt_og_9 INTEGER NULL, output group ID (NULL if empty)			1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
pt_og_9 INTEGER NULL, output group ID (NULL if empty)			
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pt_og_10 INTEGER NOLE, output group ID (NOLE II ellipty)			1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Pt_05_10	IIII DEK HOLL,	output group ID (NOLL II clipty)

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INTEGER NULL,
                                                                                             -- output group ID (NULL if empty)
pt og 11
pt_og_12
                        INTEGER NULL,
                                                                                             -- output group ID (NULL if empty)
                        INTEGER NULL.
pt_og_13
                                                                                             -- output group ID (NULL if empty)
                        INTEGER NULL,
                                                                                             -- output group ID (NULL if empty)
pt_og_14
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pt_og_15
                                                                                             -- output group ID (NULL if empty)
pt_og_16
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                                                                                             -- output group ID (NULL if empty)
                                                                                             -- output group ID (NULL if empty)
pt_og_17
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                        INTEGER NULL.
                                                                                             -- output group ID (NULL if empty)
pt_og_18
pt_og_19
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                                                                                             -- output group ID (NULL if empty)
                        INTEGER NULL,
                                                                                             -- output group ID (NULL if empty)
pt og 20
pt_og_21
                        INTEGER NULL,
                                                                                             -- output group ID (NULL if empty)
pt_og_22
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                                                                                             -- output group ID (NULL if empty)
pt_og_23
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                                                                                             -- output group ID (NULL if empty)
pt_og_24
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                                                                                             -- output group ID (NULL if empty)
pt og 25
                        INTEGER NULL,
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pt_og_26
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                                                                                             -- output group ID (NULL if empty)
                        INTEGER NULL,
                                                                                             -- output group ID (NULL if empty)
pt_og_27
pt_og_28
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                                                                                             -- output group ID (NULL if empty)
pt og 29
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pt og 30
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pt_og_31
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                                                                                             -- output group ID (NULL if empty)
                        INTEGER NULL,
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pt_og_32
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                                                                                             -- output group ID (NULL if empty)
pt_og_33
pt_og_34
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pt og 35
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                                                                                             -- output group ID (NULL if empty)
                        INTEGER NULL,
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pt_og_36
pt_og_37
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                                                                                             -- output group ID (NULL if empty)
pt_og_38
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pt_og_39
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pt_og_40
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pt_og_41
pt_og_42
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                        INTEGER NULL,
pt_og_43
                                                                                             -- output group ID (NULL if empty)
                        INTEGER NULL,
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pt og 44
pt_og_45
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                                                                                             -- output group ID (NULL if empty)
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pt_og_46
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pt_og_47
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pt og 53
pt_og_54
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pt_og_55
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pt_og_57
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                                                                                             -- output group ID (NULL if empty)
pt_og_58
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pt_og_59
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                        INTEGER NULL,
                                                                                             -- output group ID (NULL if empty)
pt_og_60
pt_og_61
                        INTEGER NULL,
                                                                                             -- output group ID (NULL if empty)
pt og 62
                        INTEGER NULL,
                                                                                             -- output group ID (NULL if empty)
                        INTEGER NULL,
                                                                                             -- output group ID (NULL if empty)
pt og 63
                        CHAR(32) NOT NULL,
                                                                                             -- Site Name
pt_guid
                                                                                             -- Global unique record identifier
                        uniqueidentifier NOT NULL,
pt_checksum
                        INTEGER NOT NULL,
                                                                                             -- Record checksum
upd guid
                        uniqueidentifier NOT NULL,
                                                                                             -- Guid for update operation
upd mode
                        SMALLINT NOT NULL,
                                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
upd timestamp
                        DATETIME NOT NULL,
                                                                                             -- Date / Time of the update
upd_checksum
                        INTEGER NOT NULL,
                                                                                             -- Checksum
                        uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
upd rowguid
PRIMARY KEY
                        (pt panel id, upd mode desc, upd guid)
```

# CREATE TABLE panel\_assaabloy

(	panol_uccuancy	
paa dsr id	INTEGER REFERENCES IntegrationComponent(igc id) NOT NULL,	
paa panel id	INTEGER REFERENCES Panel(p panel id) NOT NULL,	
paa serial number	char(32) NOT NULL,	
paa tz id 0	INTEGER NULL,	
paa tz id 1	INTEGER NULL,	
paa_tz_id_2	INTEGER NULL,	
paa_tz_id_3	INTEGER NULL,	
paa tz id 4	INTEGER NULL,	
paa_tz_id_5	INTEGER NULL,	
paa_tz_id_6	INTEGER NULL,	
paa_tz_id_7	INTEGER NULL,	
paa_tz_id_8	INTEGER NULL,	
paa_tz_id_9	INTEGER NULL,	
paa_tz_id_10	INTEGER NULL,	
paa_tz_id_11	INTEGER NULL,	
paa_tz_id_12	INTEGER NULL,	
paa_tz_id_13	INTEGER NULL,	
paa_tz_id_14	INTEGER NULL,	
paa_tz_id_15	INTEGER NULL,	
paa_tz_id_16	INTEGER NULL,	
paa_tz_id_17	INTEGER NULL,	
paa_tz_id_18	INTEGER NULL,	
paa_tz_id_19	INTEGER NULL,	
paa_tz_id_20	INTEGER NULL,	
paa_tz_id_21	INTEGER NULL,	
paa_tz_id_22	INTEGER NULL,	
paa_tz_id_23	INTEGER NULL,	
paa_tz_id_24	INTEGER NULL,	
paa_tz_id_25	INTEGER NULL,	
paa_tz_id_26	INTEGER NULL,	
paa_tz_id_27	INTEGER NULL,	
paa_tz_id_28	INTEGER NULL,	
paa_tz_id_29	INTEGER NULL,	
paa_tz_id_30	INTEGER NULL,	
paa_tz_id_31	INTEGER NULL,	
paa_schedule_0	UNIQUEIDENTIFIER NULL,	
paa_schedule_1	UNIQUEIDENTIFIER NULL,	
paa_schedule_2	UNIQUEIDENTIFIER NULL,	
paa_schedule_3	UNIQUEIDENTIFIER NULL,	
paa_schedule_4	UNIQUEIDENTIFIER NULL,	
paa_schedule_5	UNIQUEIDENTIFIER NULL,	
paa_schedule_6	UNIQUEIDENTIFIER NULL,	
paa_schedule_7	UNIQUEIDENTIFIER NULL,	
paa_schedule_8	UNIQUEIDENTIFIER NULL, UNIQUEIDENTIFIER NULL,	
paa_schedule_9		
paa_schedule_10	UNIQUEIDENTIFIER NULL, UNIQUEIDENTIFIER NULL,	
paa_schedule_11 paa_schedule_12	UNIQUEIDENTIFIER NULL,	
paa_schedule_12 paa_schedule_13	UNIQUEIDENTIFIER NULL,	
paa_schedule_14	UNIQUEIDENTIFIER NULL,	
paa_schedule_15	UNIQUEIDENTIFIER NULL,	
paa_schedule_16	UNIQUEIDENTIFIER NULL,	
paa_schedule_17	UNIQUEIDENTIFIER NULL,	
paa schedule 18	UNIQUEIDENTIFIER NULL,	
paa_schedule_19	UNIQUEIDENTIFIER NULL,	
paa_schedule_20	UNIQUEIDENTIFIER NULL,	
paa schedule 21	UNIQUEIDENTIFIER NULL,	
paa_schedule_22	UNIQUEIDENTIFIER NULL,	
paa_schedule_23	UNIQUEIDENTIFIER NULL,	
paa_schedule_24	UNIQUEIDENTIFIER NULL,	
paa_schedule_25	UNIQUEIDENTIFIER NULL,	
paa_schedule_26	UNIQUEIDENTIFIER NULL,	
	,	

```
paa schedule 27
                      UNIQUEIDENTIFIER NULL,
paa_schedule_28
                      UNIQUEIDENTIFIER NULL,
paa_schedule_29
                      UNIQUEIDENTIFIER NULL,
paa_schedule 30
                      UNIQUEIDENTIFIER NULL,
                      UNIQUEIDENTIFIER NULL,
paa_schedule_31
                      [char](32) NOT NULL,
                      [uniqueidentifier] ROWGUIDCOL NOT NULL,
paa_guid
paa_checksum
                      INTEGER NOT NULL,
                                                                                      -- Record checksum
PRIMARY KEY
                      (paa_panel_id)
```

#### CREATE TABLE panel\_assaabloy\_save

```
paa_dsr_id
                      INTEGER NOT NULL,
paa_panel_id
                      INTEGER NOT NULL,
paa_serial_number
                      char(32) NOT NULL,
paa_tz_id_0
                      INTEGER NULL,
paa_tz_id_1
                      INTEGER NULL,
paa_tz_id_2
                      INTEGER NULL,
paa tz id 3
                      INTEGER NULL,
paa tz id 4
                      INTEGER NULL,
paa_tz_id_5
                      INTEGER NULL,
                      INTEGER NULL,
paa_tz_id_6
paa_tz_id_7
                      INTEGER NULL.
paa tz id 8
                      INTEGER NULL,
paa tz id 9
                      INTEGER NULL,
paa_tz_id_10
                      INTEGER NULL,
                      INTEGER NULL,
paa_tz_id_11
paa_tz_id_12
                      INTEGER NULL,
paa tz id 13
                      INTEGER NULL,
paa_tz_id_14
                      INTEGER NULL,
paa_tz_id_15
                      INTEGER NULL,
                      INTEGER NULL,
paa_tz_id_16
                      INTEGER NULL,
paa_tz_id_17
paa_tz_id_18
                      INTEGER NULL,
paa_tz_id_19
                      INTEGER NULL,
paa_tz_id_20
                      INTEGER NULL,
paa_tz_id_21
                      INTEGER NULL,
                      INTEGER NULL,
paa tz id 22
paa_tz_id_23
                      INTEGER NULL,
paa_tz_id_24
                      INTEGER NULL,
paa_tz_id_25
                      INTEGER NULL.
paa_tz_id_26
                      INTEGER NULL,
paa tz id 27
                      INTEGER NULL,
paa_tz_id_28
                      INTEGER NULL,
paa_tz_id_29
                      INTEGER NULL,
paa_tz_id_30
                      INTEGER NULL,
paa tz id 31
                      INTEGER NULL,
paa_schedule_0
                      UNIQUEIDENTIFIER NULL,
paa_schedule_1
                      UNIQUEIDENTIFIER NULL,
                      UNIQUEIDENTIFIER NULL,
paa_schedule_2
paa_schedule_3
                      UNIQUEIDENTIFIER NULL,
paa schedule 4
                      UNIQUEIDENTIFIER NULL,
paa schedule 5
                      UNIQUEIDENTIFIER NULL,
paa_schedule_6
                      UNIQUEIDENTIFIER NULL,
paa_schedule_7
                      UNIQUEIDENTIFIER NULL,
paa_schedule_8
                      UNIQUEIDENTIFIER NULL,
paa schedule 9
                      UNIQUEIDENTIFIER NULL,
paa schedule 10
                      UNIQUEIDENTIFIER NULL,
paa_schedule_11
                      UNIQUEIDENTIFIER NULL,
paa_schedule_12
                      UNIQUEIDENTIFIER NULL,
paa_schedule 13
                      UNIQUEIDENTIFIER NULL,
```

UNIQUEIDENTIFIER NULL,

paa schedule 14

```
paa schedule 15
                      UNIQUEIDENTIFIER NULL,
paa_schedule_16
                      UNIQUEIDENTIFIER NULL,
paa_schedule_17
                      UNIQUEIDENTIFIER NULL,
paa_schedule_18
                      UNIQUEIDENTIFIER NULL,
paa_schedule_19
                      UNIQUEIDENTIFIER NULL,
paa_schedule_20
                      UNIQUEIDENTIFIER NULL,
paa_schedule_21
                      UNIQUEIDENTIFIER NULL,
paa_schedule_22
                      UNIQUEIDENTIFIER NULL,
paa_schedule 23
                      UNIQUEIDENTIFIER NULL,
paa schedule 24
                      UNIQUEIDENTIFIER NULL,
paa_schedule_25
                      UNIQUEIDENTIFIER NULL,
paa_schedule_26
                      UNIQUEIDENTIFIER NULL,
paa_schedule_27
                      UNIQUEIDENTIFIER NULL,
paa_schedule 28
                      UNIQUEIDENTIFIER NULL,
paa schedule 29
                      UNIQUEIDENTIFIER NULL,
paa_schedule_30
                      UNIQUEIDENTIFIER NULL,
paa_schedule_31
                      UNIQUEIDENTIFIER NULL,
                      [char](32) NOT NULL,
site
                      uniqueidentifier NOT NULL,
paa guid
paa checksum
                      INTEGER NOT NULL,
upd_guid
                      uniqueidentifier NOT NULL,
                                                                                       -- Guid for update operation
upd_mode
                      SMALLINT NOT NULL,
                                                                                       -- Update mode (0 - delete, 1 - edit, 2 - new)
upd_timestamp
                      DATETIME NOT NULL,
                                                                                       -- Date / Time of the update
upd checksum
                      INTEGER NOT NULL,
                                                                                       -- Checksum
                      uniqueidentifier ROWGUIDCOL DEFAULT
upd rowguid
                        newid() UNIQUE NOT NULL,
                                                                                       -- Global unique record identifier
PRIMARY KEY
                      ( paa_panel_id, upd_mode desc, upd_guid )
```

### CREATE TABLE panel\_ck

p_id	INTEGER REFERENCES panel(p_panel_id) NOT	FOR REPLICATION,
p_trans_type	SMALLINT,	reserved for legacy panels
p_scram_code	SMALLINT,	scramble mode 0-7
p_system_override	SMALLINT,	1 = system override
p_latch_alm_output	SMALLINT,	1 = latch alarm output
p_group_outputs	SMALLINT,	1 = group outputs
p_rest_hist	SMALLINT,	1 = restrict history storage
p_rest_hist_days	SMALLINT,	number of days after which history is deleted
p_rest_hist_time	DATETIME,	time at which to delete history
p_wiegand_fac	INTEGER,	facility code for wiegand cards (legacy panels only)
p_ncrypt_fac	INTEGER,	facility code for ncrypt cards (legacy panels only)
p_mag_fac	INTEGER,	facility code for mag stripe cards (legacy panels only)
p_ovr_tailgate	SMALLINT,	1 = timed override/anti tailgate
p_eci_unit_num	INTEGER,	D600E eci unit with which this panel communicates
p_high_speed_485	SMALLINT NOT NULL,	Use high speed serial in CK720 Ver. 2 and higher
p_hist_upload_threshold_flag	SMALLINT NOT NULL,	1 = Turn on upload threshold, 0 = Turn off
p_hist_upload_threshold	SMALLINT NOT NULL,	Threshold percent
p_hist_always_upload_threshold_flag	SMALLINT NOT NULL,	1 = Turn on always upload threshold, 0 = Turn off
p_hist_always_upload_threshold	SMALLINT NOT NULL,	Threshold percent
p_hist_delete_flag	SMALLINT NOT NULL,	-1 = Turn on history retention limit, $0$ = Turn off
p_hist_delete_days	SMALLINT NOT NULL,	History retention limit days
p_hist_delete_time	INTEGER NOT NULL,	History retention limit time of day
p_hist_upload_timezone	INTEGER NULL REFERENCES timezone(tz_id)	
	NOT FOR REPLICATION,	Timezone for history uploads
p_facility_code4	INTEGER,	facility codeD600-AP
p_security_level	SMALLINT,	(0-99) representing threat level
p_mag_stripe_1	SMALLINT,	mag stripe for the readers
p_mag_stripe_2	SMALLINT,	mag stripe for the readers
p_mag_stripe_3	SMALLINT,	mag stripe for the readers
p_mag_stripe_4	SMALLINT,	mag stripe for the readers
p_mag_stripe_5	SMALLINT,	mag stripe for the readers
p_mag_stripe_6	SMALLINT,	mag stripe for the readers

p_mag_stripe_7	SMALLINT,	mag stripe for the readers
p_mag_stripe_8	SMALLINT,	mag stripe for the readers
p_mag_stripe_9	SMALLINT,	mag stripe for the readers
p_mag_stripe_10	SMALLINT,	mag stripe for the readers
p_duress_plus1	SMALLINT,	<del></del>
p_log_rd_strike_msg	SMALLINT,	
p_log_op_status	SMALLINT,	
p_enable_pin_duress	SMALLINT,	
p_to_entry_require	SMALLINT,	
p_num_pin_code_retry	SMALLINT,	
p_elev_type	INT NOT NULL,	elevator type
p_elev_param_1	INT NOT NULL,	High Level Elevator Parmeter, for KONE, Baudrat
p_elev_param_2	INT NOT NULL,	High Level Elevator Parmeter, KONE Group Controller Address (1 to 8)
p_elev_param_3	INT NOT NULL,	High Level Elevator Parmeter, for KONE, lowest level for group (1 to 128)
site	CHAR(32) NOT NULL,	Site Name
p guid	uniqueidentifier ROWGUIDCOL	
	UNIQUE NOT NULL,	Global unique record identifier
p checksum	INTEGER NOT NULL,	Record checksum
p_no_badge_archive	SMALLINT NOT NULL,	
p_no_accgrp_archive	SMALLINT NOT NULL,	
p no config archive	SMALLINT NOT NULL,	
p_enable_suppress_msg	SMALLINT NOT NULL,	
p custom configuration	INTEGER NOT NULL,	
p panel initiated sync broadcast	SMALLINT NOT NULL,	
p sync broadcast port	INTEGER NOT NULL,	
p db backup period	INTEGER NOT NULL,	
PRIMARY KEY	(p id)	
	<u> </u>	

# CREATE TABLE panel\_ck\_save

(		
p_id	INTEGER NOT NULL,	
p_trans_type	SMALLINT,	reserved for legacy panels
p_scram_code	SMALLINT,	scramble mode 0-7
p_system_override	SMALLINT,	1 = system override
p_latch_alm_output	SMALLINT,	1 = latch alarm output
p_group_outputs	SMALLINT,	1 = group outputs
p_rest_hist	SMALLINT,	1 = restrict history storage
p_rest_hist_days	SMALLINT,	number of days after which history is deleted
p_rest_hist_time	DATETIME,	time at which to delete history
p_wiegand_fac	INTEGER,	facility code for wiegand cards (legacy panels only)
p_ncrypt_fac	INTEGER,	facility code for ncrypt cards (legacy panels only)
p_mag_fac	INTEGER,	facility code for mag stripe cards (legacy panels only)
p_ovr_tailgate	SMALLINT,	1 = timed override/anti tailgate
p_eci_unit_num	INTEGER,	D600E eci unit with which this panel communicates
p_high_speed_485	SMALLINT NOT NULL,	Use high speed serial in CK720 Ver. 2 and higher
p_hist_upload_threshold_flag	SMALLINT NOT NULL,	-1 = Turn on upload threshold, $0$ = Turn off
p_hist_upload_threshold	SMALLINT NOT NULL,	Threshold percent
<pre>p_hist_always_upload_threshold_flag</pre>	SMALLINT NOT NULL,	1 = Turn on always upload threshold, $0$ = Turn off
<pre>p_hist_always_upload_threshold</pre>	SMALLINT NOT NULL,	Threshold percent
p_hist_delete_flag	SMALLINT NOT NULL,	-1 = Turn on history retention limit, $0$ = Turn off
p_hist_delete_days	SMALLINT NOT NULL,	History retention limit days
p_hist_delete_time	INTEGER NOT NULL,	History retention limit time of day
p_hist_upload_timezone	INTEGER NULL,	Timezone for history uploads
p_facility_code4	INTEGER,	facility codeD600-AP
p_security_level	SMALLINT,	(0-99) representing threat level
p_mag_stripe_1	SMALLINT,	mag stripe for the readers
p_mag_stripe_2	SMALLINT,	mag stripe for the readers
p_mag_stripe_3	SMALLINT,	mag stripe for the readers
p_mag_stripe_4	SMALLINT,	mag stripe for the readers
p_mag_stripe_5	SMALLINT,	mag stripe for the readers

p mag stripe 6	SMALLINT,	mag stripe for the readers
p_mag_stripe_7	SMALLINT,	mag stripe for the readers
p mag stripe 8	SMALLINT,	mag stripe for the readers
p_mag_stripe_9	SMALLINT,	mag stripe for the readers
p mag stripe 10	SMALLINT,	mag stripe for the readers
p_duress_plus1	SMALLINT,	
p_log_rd_strike_msg	SMALLINT,	
p log op status	SMALLINT,	
p_enable_pin_duress	SMALLINT,	
p_to_entry_require	SMALLINT,	
p num pin code retry	SMALLINT,	
p_elev_type	INT NOT NULL,	elevator type
p_elev_param_1	INT NOT NULL,	High Level Elevator Parmeter, for K
p_elev_param_2	INT NOT NULL,	High Level Elevator Parmeter, KON Controller Address (1 to 8)
p_elev_param_3	INT NOT NULL,	High Level Elevator Parmeter, for K level for group (1 to 128)
site	CHAR(32) NOT NULL,	Site Name
p guid	uniqueidentifier NOT NULL,	Global unique record identifier
p checksum	INTEGER NOT NULL,	Record checksum
upd guid	uniqueidentifier NOT NULL,	Guid for update operation
upd mode	SMALLINT NOT NULL,	Update mode (0 - delete, 1 - edit, 2 -
upd timestamp	DATETIME NOT NULL,	Date / Time of the update
upd checksum	INTEGER NOT NULL,	Checksum
upd rowguid	uniqueidentifier ROWGUIDCOL DEFAULT	
1 = 0	newid() UNIQUE NOT NULL,	Global unique record identifier
p no badge archive	SMALLINT,	1
p no accgrp archive	SMALLINT,	
p no config archive	SMALLINT,	
p_enable_suppress_msg	SMALLINT,	
p custom configuration	INTEGER,	
p panel initiated sync broadcast	SMALLINT,	
p sync broadcast port	INTEGER,	
p_db_backup_period	INTEGER,	
PRIMARY KEY	(p id, upd mode desc, upd guid)	
);	~ · · · · · · · · · · · · · · · · · · ·	

- KONE, Baudrate
- NE Group
- KONE, lowest
  - new)

## CREATE TABLE panel hid

phid\_id INTEGER REFERENCES panel(p\_panel\_id) NOT FOR REPLICATION, -- Unique database ID of panel CHAR(16) UNIQUE NOT NULL, phid mac address -- mac address of panel INTEGER NOT NULL, phid\_heartbeat\_xmit\_interval -- Downloaded to panel for heartbeat timer phid no reception timeout INTEGER NOT NULL, -- Time in seconds to wait for a msg from panel phid\_resend\_attempt\_interval INTEGER NOT NULL, -- Downloaded to panel for its resend interval phid\_utc\_offset INTEGER NOT NULL, -- UTC offset phid dst used flag SMALLINT NOT NULL, -- 1 = Daylight savings used by panel, 0 = not usedphid dst adjustment -- Minutes, daylight savings adjustment, this is always an hour INTEGER NOT NULL, phid\_dst\_begin\_month SMALLINT NOT NULL, -- Month daylight savings begins (1 - 12) phid\_dst\_begin\_week SMALLINT NOT NULL, -- Week of month daylight savings begins (1 - 5) phid\_dst\_begin\_day -- Day of week daylight savings begins (1 - 7) SMALLINT NOT NULL, phid\_dst\_begin\_time INT NOT NULL, -- Time of day daylight savings begins (seconds) phid dst end month SMALLINT NOT NULL, -- Month daylight savings end (1 - 12) phid dst end week SMALLINT NOT NULL, -- Week of month daylight savings end (1 - 5) phid\_dst\_end\_day SMALLINT NOT NULL, -- Day of week daylight savings end (1 - 7) phid\_dst\_end\_time INT NOT NULL, -- Time of day daylight savings end (seconds) phid\_encryption\_key\_changed SMALLINT NOT NULL. -- 1 = encryption key changed CHAR(32) NOT NULL, -- Site Name site uniqueidentifier ROWGUIDCOL phid guid UNIQUE NOT NULL, -- Global unique record identifier phid checksum INTEGER NOT NULL, -- Record checksum PRIMARY KEY (phid id) );

```
CREATE TABLE panel_hid_save
 phid id
                                INTEGER NOT NULL,
                                                                            -- Unique database ID of panel
 phid mac address
                                CHAR(16) NOT NULL,
                                                                            -- optional, mac address of panel
                                INTEGER NOT NULL,
 phid heartbeat xmit interval
                                                                            -- Downloaded to panel for heartbeat timer
 phid no reception timeout
                                INTEGER NOT NULL,
                                                                            -- Time in seconds to wait for a msg from panel
 phid resend attempt interval
                                INTEGER NOT NULL,
                                                                            -- Downloaded to panel for its resend interval
 phid_utc_offset
                                INTEGER NOT NULL,
                                                                            -- UTC offset
                                                                            -- 1 = Daylight savings used by panel, 0 = not used
 phid dst used flag
                                SMALLINT NOT NULL,
                                INTEGER NOT NULL.
 phid dst adjustment
                                                                            -- Minutes, daylight savings adjustment, this is always an hour
 phid dst begin month
                                SMALLINT NOT NULL,
                                                                            -- Month daylight savings begins
 phid dst begin week
                                SMALLINT NOT NULL,
                                                                            -- Week of month daylight savings begins
 phid_dst_begin_day
                                SMALLINT NOT NULL,
                                                                            -- Day of week daylight savings begins
 phid_dst_begin_time
                                SMALLINT NOT NULL,
                                                                            -- Time of day daylight savings begins
 phid dst end month
                                SMALLINT NOT NULL,
                                                                            -- Month daylight savings end
 phid_dst end week
                                                                            -- Week of month daylight savings end
                                SMALLINT NOT NULL,
 phid_dst_end_day
                                SMALLINT NOT NULL,
                                                                            -- Day of week daylight savings end
 phid dst end time
                                SMALLINT NOT NULL,
                                                                            -- Time of day daylight savings end
                                                                            -- 1 = encrytion key changed
                                SMALLINT NOT NULL,
 phid_encryption_key_changed
                                CHAR(32) NOT NULL,
                                                                            -- Site Name
                                                                            -- Global unique record identifier
 phid guid
                                uniqueidentifier NOT NULL,
 phid checksum
                                INTEGER NOT NULL,
                                                                            -- Record checksum
 upd_guid
                                uniqueidentifier NOT NULL,
                                                                            -- Guid for update operation
 upd_mode
                                SMALLINT NOT NULL,
                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                                DATETIME NOT NULL,
                                                                            -- Date / Time of the update
 upd checksum
                                INTEGER NOT NULL,
                                                                            -- Checksum
                                uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd rowguid
                                   UNIQUE NOT NULL,
                                                                            -- Global unique record identifier
 PRIMARY KEY
                                (phid_id, upd_mode desc, upd_guid)
);
CREATE TABLE panel osi
                         INTEGER REFERENCES panel(p_panel_id) NOT FOR REPLICATION,
 posi_id
                                                                                              -- Unique database ID of panel
                         CHAR(16) UNIQUE NOT NULL,
                                                                                              -- mac address of panel
 posi_mac
 site
                         CHAR(32) NOT NULL,
                                                                                              -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 posi guid
                                                                                              -- Global unique record identifier
                         INTEGER NOT NULL,
                                                                                              -- Record checksum
 posi checksum
 posi_channels
                         INTEGER NOT NULL,
                                                                                              -- Record channels
 PRIMARY KEY
                         (posi id)
);
CREATE TABLE panel osi save
                         INTEGER NOT NULL.
                                                                                             -- Unique database ID of panel
 posi_id
```

```
CHAR(16) NOT NULL,
                                                                                             -- mac address of panel
posi_mac
                        CHAR(32) NOT NULL,
                                                                                              -- Site Name
                        uniqueidentifier NOT NULL,
                                                                                             -- Global unique record identifier
posi guid
posi_checksum
                        INTEGER NOT NULL,
                                                                                             -- Record checksum
posi_channels
                        INTEGER,
                                                                                             -- Record channels
upd guid
                        uniqueidentifier NOT NULL,
                                                                                             -- Guid for update operation
upd_mode
                        SMALLINT NOT NULL,
                                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
upd timestamp
                        DATETIME NOT NULL,
                                                                                             -- Date / Time of the update
upd checksum
                        INTEGER NOT NULL.
                                                                                             -- Checksum
                        uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
upd rowguid
PRIMARY KEY
                        (posi id, upd mode desc, upd guid)
```

#### CREATE TABLE panel\_p900

### CREATE TABLE panel\_p900\_save

INTEGER NOT NULL, -- Unique database ID of panel pcp\_id CHAR(32) NOT NULL, -- Site Name site uniqueidentifier NOT NULL, -- Global unique record identifier pcp\_guid pcp\_checksum INTEGER NOT NULL, -- Record checksum upd guid uniqueidentifier NOT NULL, -- Guid for update operation upd mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) upd\_timestamp DATETIME NOT NULL, -- Date / Time of the update upd checksum INTEGER NOT NULL, -- Checksum upd rowguid uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier PRIMARY KEY (pcp\_id, upd\_mode desc, upd\_guid) );

#### CREATE TABLE panel\_s321ip

INTEGER REFERENCES panel(p\_panel\_id) ps321ip id NOT FOR REPLICATION, -- Unique database ID of panel ps321ip\_enable\_panel\_inputs SMALLINT NOT NULL, -- enable the 2 panel input points ps321ip\_mac\_address CHAR(16) UNIQUE NOT NULL, -- mac address of panel ps321ip\_dns\_lookup\_name -- DNS name used to resolve panel ip address CHAR(255). ps321ip\_use\_dns\_not\_ip\_flag SMALLINT NOT NULL, -1 = use DNS lookup, 0 = use ip address -- 1 = enable SNMP interface on panel, 0 = disable ps321ip snmp enable flag SMALLINT NOT NULL, ps321ip web ui enable flag SMALLINT NOT NULL, -- 1 = enable Web UI interface on panel, 0 = disable ps321ip\_heartbeat\_xmit\_interval INTEGER NOT NULL, -- Downloaded to panel for heartbeat timer ps321ip\_no\_reception\_timeout INTEGER NOT NULL, -- Time in seconds to wait for a msg from panel ps321ip\_resend\_attempt\_interval INTEGER NOT NULL. -- Downloaded to panel for its resend interval ps321ip disconnect delay INTEGER NOT NULL, -- Downloaded to panel for its disconnect delay ps321ip disconnect delay flag SMALLINT NOT NULL, -- 0 = Time Delay, 1 = Never, 2 = Immediate (only used by UI) ps321ip\_hist\_delete\_flag SMALLINT NOT NULL, -1 = Turn on history retention limit, 0 = Turn off ps321ip\_hist\_delete\_days -- History retention limit days SMALLINT NOT NULL, ps321ip utc offset INTEGER NOT NULL, -- UTC offset ps321ip dst used flag SMALLINT NOT NULL, -1 = Daylight savings used by panel, 0 = not used ps321ip\_dst\_adjustment INTEGER NOT NULL, -- Minutes, daylight savings adjustment, this is always an hour ps321ip dst begin month -- Month daylight savings begins (1 - 12) SMALLINT NOT NULL, SMALLINT NOT NULL. ps321ip\_dst\_begin\_week -- Week of month daylight savings begins (1 - 5) ps321ip\_dst\_begin\_day SMALLINT NOT NULL, -- Day of week daylight savings begins (1 - 7) INT NOT NULL, -- Time of day daylight savings begins (seconds) ps321ip dst begin time ps321ip dst end month SMALLINT NOT NULL, -- Month daylight savings end (1 - 12) ps321ip\_dst\_end\_week SMALLINT NOT NULL, -- Week of month daylight savings end (1 - 5) -- Day of week daylight savings end (1 - 7) SMALLINT NOT NULL, ps321ip\_dst\_end\_day ps321ip\_dst\_end\_time INT NOT NULL, -- Time of day daylight savings end (seconds) CHAR(32) NOT NULL, -- Site Name uniqueidentifier ROWGUIDCOL ps321ip\_guid UNIOUE NOT NULL. -- Global unique record identifier ps321ip\_checksum INTEGER NOT NULL, -- Record checksum PRIMARY KEY (ps321ip id)

#### CREATE TABLE panel\_s321ip\_save

ps321ip id ps321ip\_enable\_panel\_inputs ps321ip mac address ps321ip\_dns\_lookup\_name ps321ip use dns not ip flag ps321ip\_snmp\_enable\_flag ps321ip\_web\_ui\_enable\_flag ps321ip heartbeat xmit interval ps321ip\_no\_reception\_timeout ps321ip resend attempt interval ps321ip\_disconnect\_delay ps321ip\_disconnect\_delay\_flag ps321ip\_hist\_delete\_flag ps321ip hist delete days ps321ip\_utc\_offset ps321ip\_dst\_used\_flag ps321ip\_dst\_adjustment ps321ip\_dst\_begin\_month ps321ip dst begin week ps321ip dst begin day ps321ip\_dst\_begin\_time ps321ip\_dst\_end\_month ps321ip\_dst\_end\_week ps321ip dst end day ps321ip dst end time ps321ip\_guid ps321ip\_checksum upd guid upd mode upd timestamp upd\_checksum upd rowguid PRIMARY KEY

INTEGER NOT NULL, SMALLINT NOT NULL, CHAR(16) NOT NULL, CHAR(255), SMALLINT NOT NULL, SMALLINT NOT NULL, SMALLINT NOT NULL, INTEGER NOT NULL. INTEGER NOT NULL, INTEGER NOT NULL, INTEGER NOT NULL, SMALLINT NOT NULL, SMALLINT NOT NULL, SMALLINT NOT NULL, INTEGER NOT NULL, SMALLINT NOT NULL, INTEGER NOT NULL, SMALLINT NOT NULL, CHAR(32) NOT NULL, uniqueidentifier NOT NULL, INTEGER NOT NULL, uniqueidentifier NOT NULL, SMALLINT NOT NULL, DATETIME NOT NULL, INTEGER NOT NULL, uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, (ps321ip\_id, upd\_mode desc, upd\_guid)

- -- Unique database ID of panel -- enable the 2 panel input points -- optional, mac address of panel
- -- optional, DNS name used to resolve panel ip address
- -- 1 = use DNS lookup, 0 = use ip address
- -- 1 = enable SNMP interface on panel, 0 = disable
- -- 1 = enable Web UI interface on panel, 0 = disable
- -- Downloaded to panel for heartbeat timer
- -- Time in seconds to wait for a msg from panel
- -- Downloaded to panel for its resend interval
  -- Downloaded to panel for its disconnect delay
- -- 0 = Time Delay, 1 = Never, 2 = Immediate (only used by UI)
- -- 1 = Turn on history retention limit, 0 = Turn off
- -- History retention limit days
- -- UTC offset
- -- 1 = Daylight savings used by panel, 0 = not used
- -- Minutes, daylight savings adjustment, this is always an hour
- -- Month daylight savings begins
- -- Week of month daylight savings begins
- -- Day of week daylight savings begins
- -- Time of day daylight savings begins
- -- Month daylight savings end
- -- Week of month daylight savings end
- -- Day of week daylight savings end
- -- Time of day daylight savings end
- -- Site Name
- -- Global unique record identifier
- -- Record checksum
- -- Guid for update operation
- -- Update mode (0 delete, 1 edit, 2 new)
- -- Date / Time of the update
- -- Checksum
- -- Global unique record identifier

#### **CREATE TABLE** panel save

);

p\_partition
p\_public
p\_unit\_name
p\_panel\_id
p\_query\_string
p\_enabled
p\_code\_major\_version
p\_code\_build\_version
p\_ipl\_major\_version
p\_ipl\_minor\_version
p\_ipl\_build\_version
p\_min\_major\_version

INTEGER, SMALLINT, VARCHAR(32) NOT NULL, INTEGER NOT NULL.

INTEGER NOT NULL, CHAR(64) NULL, SMALLINT NOT NULL, SMALLINT,

SMALLINT, SMALLINT, SMALLINT, SMALLINT, SMALLINT, SMALLINT,

SMALLINT NOT NULL,

SMALLINT NOT NULL,

p\_min\_build\_version SMALLINT NOT NULL,

p\_max\_major\_version SMALLINT NOT NULL,

p\_max\_minor\_version SMALLINT NOT NULL,

- -- partition ID to which this panel belongs
- -- 1 = panel is public, 0 = panel is private -- user entered name
- -- user entered name
- -- unique database ID
- -- query string entered by user
- -1 = enabled
- -- Panel firmware revision major portion
- -- Panel firmware revision minor portion
- -- Panel firmware revision build portion
- -- Panel ipl firmware revision major portion
- -- Panel ipl firmware revision minor portion
- -- Panel ipl firmware revision build portion
- -- Minimum version of panel firmware that can use this record major portion
- -- Minimum version of panel firmware that can use this record
- minor portion
  -- Minimum version of panel firmware that can use this record
- build portion

  -- Maximum version of panel firmware that can use this record major portion
- -- Maximum version of panel firmware that can use this record minor portion

p_max_build_version	SMALLINT NOT NULL,	Maximum version of panel firmware that can use this record build portion
p_configuration_model	SMALLINT NOT NULL,	Panel model identifier 0 = Unknown, 1 = CK720, 2 = CK705, 3 = CK710
p_hardware_model	SMALLINT NOT NULL,	Panel model identifier 0 = Unknown, 1 = CK720, 2 = CK705, 3 = CK710
p version text	VARCHAR(70) NULL,	panel version string (set by comms)
p time date offset	INTEGER NOT NULL,	time offset in mins
p_offset_enable	SMALLINT NOT NULL,	1 = enable time offset
p ip pri	CHAR(16) NULL,	primary IP address
p_ip_alt	CHAR(16) NULL,	alternate IP address
p_pri_comm_pref	SMALLINT NOT NULL,	primary comm is preferred path
p_net_timeout	SMALLINT NOT NULL,	network timeout in secs
p_lan_net_polling_interval	INTEGER NULL,	Downloaded to panel for primary channel polling
p_dialup_net_polling_interv	al INTEGER NULL,	Downloaded to panel for alternate channel polling
p_lan_net_polling_timeout	INTEGER NULL,	Host uses for primary channel polling
p_dialup_net_polling_timeo	ut INTEGER NULL,	Host uses for alternate channel polling
p_unit	INTEGER NOT NULL,	panel address
p_poll_timeout	SMALLINT NOT NULL,	Time in milliseconds to wait for a poll response
p_poll_direction	SMALLINT NOT NULL,	Preferred poll direction, 0 = forward, 1 = reverse
p_actual_poll_dir	SMALLINT NOT NULL,	Actual poll direction, 0 = forward, 1 = reverse, -1 = unknown
p_retry_delay	SMALLINT NOT NULL,	re establish delay for serial panels in seconds
p_inp_report_delay	SMALLINT NOT NULL,	input reporting delay
p_out_report_delay	SMALLINT NOT NULL,	output reporting delay
p_tz_checking	SMALLINT NOT NULL,	1 = timezone checking
p_pin_type	SMALLINT NOT NULL,	0 = algorithmic, 1 = custom
p_4_or_5_digit	SMALLINT NOT NULL,	0 = 4 digit pin, $1 = 5$ digit pin
p_inxit	SMALLINT NOT NULL,	1 = entry/exit
p_upload	SMALLINT NOT NULL,	1 = upload history
site	CHAR(32) NOT NULL,	Site Name
p_guid	uniqueidentifier NOT NULI	Global unique record identifier
p_checksum	INTEGER NOT NULL,	Record checksum
upd_guid	uniqueidentifier NOT NULI	Guid for update operation
upd_mode	SMALLINT NOT NULL,	Update mode (0 - delete, 1 - edit, 2 - new)
upd_timestamp	DATETIME NOT NULL,	Date / Time of the update
upd_checksum	INTEGER NOT NULL,	Checksum
upd_rowguid	uniqueidentifier ROWGUID	
	newid() UNIQUE NOT N	
p_bacnet	SMALLINT NOT NULL,	1 = bacnet useses this panel.
p_loop_id	INTEGER NULL,	loop number
p_encryption_enabled	SMALLINT NOT NULL,	1 = encryption enabled
p_encryption_key	VARCHAR(256) NULL,	encryption key up to 256 characters
PRIMARY KEY	( p_partition, p_panel_id, up	d_mode desc, upd_guid)
);		
ODE ATE TABLE	•	
CREATE TABLE partit	tion	
	DITTE CER DRUGGE DAY VEV	
part_number	INTEGER PRIMARY KEY,	unique partition ID (Super User partition = 1)
part_name	CHAR(32) NOT NULL,	partition name
site	CHAR(32) NOT NULL,	Site Name
part_guid	uniqueidentifier ROWGUIDC	
part_checksum	INTEGER NOT NULL,	Record checksum
);	ON	
CREATE UNIQUE INDEX	part_name ON partition ( part_	name );
CREATE TABLE partit	tion_save	
(	3440	
part number I	NTEGER NOT NULL,	unique partition ID (Super User partition = 1)
. –	CHAR(32) NOT NULL,	unique partition 10 (Super Oser partition - 1)
	CHAR(32) NOT NULL	Site Name

CHAR(32) NOT NULL,

INTEGER NOT NULL,

uniqueidentifier NOT NULL,

part\_guid part\_checksum -- Site Name

-- Global unique record identifier -- Record checksum

```
upd guid
                         uniqueidentifier NOT NULL,
                                                                                         -- Guid for update operation
 upd mode
                         SMALLINT NOT NULL,
                                                                                         -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                                         -- Date / Time of the update
 upd_timestamp
                         DATETIME NOT NULL,
                         INTEGER NOT NULL,
 upd checksum
                                                                                         -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                           UNIQUE NOT NULL,
                                                                                         -- Global unique record identifier
                         (part_number, upd_mode desc, upd_guid)
 PRIMARY KEY
CREATE TABLE pin number
                             INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY,
 pn_id
                                                                                           -- unique ID for this pin
                                                                                           -- pin name
 pn_name
                             CHAR(64) NOT NULL,
                             VARCHAR(16) NOT NULL,
                                                                                           -- the pin
 pn_pin
                             CHAR(32) NOT NULL,
                                                                                           -- Site Name
 site
                             uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 pn_guid
                                                                                           -- Global unique record identifier
                                                                                           -- Record checksum
 pn_checksum
                             INTEGER NOT NULL,
 CREATE UNIQUE INDEX
                             pn_site_name ON pin_number (site, pn_name);
CREATE TABLE pin_number_save
 pn_id
                         INTEGER NOT NULL,
                                                                                            -- unique ID for this pin
 pn_name
                         CHAR(64) NOT NULL,
                                                                                            -- pin name
                         VARCHAR(16) NOT NULL.
                                                                                            -- the pin
 pn_pin
                         CHAR(32) NOT NULL,
                                                                                            -- Site Name
                         uniqueidentifier NOT NULL,
                                                                                            -- Global unique record identifier
 pn guid
                         INTEGER NOT NULL,
 pn_checksum
                                                                                            -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                                            -- Guid for update operation
                         SMALLINT NOT NULL,
                                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
 upd timestamp
                         DATETIME NOT NULL,
                                                                                           -- Date / Time of the update
 upd_checksum
                         INTEGER NOT NULL,
                                                                                            -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd_rowguid
 PRIMARY KEY
                         (pn_id, upd_mode desc, upd_guid)
CREATE TABLE portconfig
                         INTEGER NOT NULL.
 port_enum
                                                                                    -- port name enumartion
 port_value
                         INTEGER NOT NULL,
                                                                                    -- port value
 site
                         CHAR(32) NOT NULL,
                                                                                    -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                    -- Global unique record identifier
 port guid
                         INTEGER NOT NULL,
                                                                                    -- Record checksum
 port checksum
 PRIMARY KEY
                         (site, port_enum)
);
CREATE TABLE portconfig save
                         INTEGER NOT NULL,
                                                                                            -- port name enumartion
 port_enum
 port_value
                         INTEGER NOT NULL,
                                                                                            -- port value
                         CHAR(32) NOT NULL,
                                                                                            -- Site Name
 site
                                                                                            -- Global unique record identifier
 port_guid
                         uniqueidentifier NOT NULL,
                         INTEGER NOT NULL,
 port checksum
                                                                                            -- Record checksum
                                                                                            -- Guid for update operation
                         uniqueidentifier NOT NULL,
 upd_guid
                         SMALLINT NOT NULL,
                                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
 upd timestamp
                         DATETIME NOT NULL,
                                                                                            -- Date / Time of the update
 upd_checksum
                         INTEGER NOT NULL,
                                                                                            -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd rowguid
 PRIMARY KEY
                         (port enum, site, upd mode desc, upd guid)
);
```

## **CREATE TABLE** portrait

pt cardholder id INTEGER, -- cardholder ID pt\_create\_date DATETIME, -- date image saved IMAGE, pt image -- image data INTEGER, -- portrait instance pt\_instance CHAR(32) NOT NULL, site -- Site Name

uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, pt\_guid -- Global unique record identifier pt checksum INTEGER NOT NULL, -- Record checksum

PRIMARY KEY ( pt\_cardholder\_id, pt\_instance )

### CREATE TABLE portrait\_save

INTEGER. -- cardholder ID pt\_cardholder\_id DATETIME, pt\_create\_date -- date image saved pt\_image IMAGE, -- image data pt\_instance INTEGER, -- portrait instance CHAR(32) NOT NULL, -- Site Name

uniqueidentifier NOT NULL, pt\_guid pt\_checksum INTEGER NOT NULL, upd guid uniqueidentifier NOT NULL, upd\_mode SMALLINT NOT NULL, upd\_timestamp DATETIME NOT NULL,

upd\_checksum INTEGER NOT NULL,

uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier upd rowguid

PRIMARY KEY (pt cardholder id, pt instance, upd mode desc, upd guid)

#### CREATE TABLE privgrp

INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, pg\_id -- unique menu privilege group ID CHAR(32) NOT NULL, -- menu privilege group name pg\_group\_name CHAR(32) NOT NULL, site -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier pg\_guid pg\_checksum INTEGER NOT NULL. -- Record checksum PRIMARY KEY (pg id)

## CREATE TABLE privgrpdata

INTEGER REFERENCES privgrp(pg id) pd group id

CREATE UNIQUE INDEX pg\_site\_name ON privgrp (site, pg\_group\_name);

NOT FOR REPLICATION,

pd\_function SMALLINT NOT NULL, -- priv grp ID

-- function identifier

-- 1 = Cardholder, 2 = Badge resync, 3 = Image recall,

4 = Image recall filters, 5 = Alarm monitor,

6 = Alarm instruction text, 7 = Instruction text,

8 = Alarms filter, 9 = Alarms forwarding,

10 = Configure events, 11 = Event counters,

12 = Trigger events manually, 13 = Output control,

14 = Panel relay, 15 = Door control, 16 = Control all doors,

-- Global unique record identifier

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Guid for update operation

-- Date / Time of the update

-- Record checksum

-- Checksum

17 = Run report, 18 = Report configuration,

19 = Assign operator, 20 = Change password,

21 = Menu permission groups, 22 = Real time list,

23 = Real time map, 24 = Download, 25 = Download status,

26 = Service control, 27 = Workstation status,

28 = System status, 29 = Database maintenance,

30 = Update CK720 panels, 31 = CK720 write DB to flash,

32 = Local, 33 = System, 34 = Company, 35 = Department,

36 = Access template, 37 = User defined fields, 38 = Setup,

```
39 = \text{Badge layout}, 40 = \text{Map maker}, 41 = \text{Icon editor},
                                                                                       42 = Badges, 43 = Cardholder images
                                                                                       10001 = Registration parameters, 10002 = Site parameters,
                                                                                       10003 = Workstation, 10004 = Partitions, 10005 = Counters,
                                                                                       10006 = Time zones, 10007 = Holidays,
                                                                                       10008 = Access groups, 10009 = Terminal groups,
                                                                                       10010 = Panel, 10011 = Panel timezones,
                                                                                       10012 = Panel holidays, 10013 = Soft alarm,
                                                                                       10014 = Input groups, 10015 = Output groups,
                                                                                       10016 = Panel card event, 10017 = Terminals,
                                                                                       10018 = Input points, 10019 = Output points,
                                                                                       10020 = Action interlocks, 10021 = BACnet sources
  pd_privilege
                            SMALLINT NOT NULL,
                                                                                     -- application privilege
                                                                                       0 = \text{none}, 1 = \text{read}, 2 = \text{edit}, 4 = \text{full}
                            CHAR(32) NOT NULL,
                                                                                     -- Site Name
                            uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier
  pd guid
  pd_checksum
                            INTEGER NOT NULL,
                                                                                     -- Record checksum
  PRIMARY KEY
                            ( pd_group_id, pd_function)
  CREATE INDEX
                            pd site ON privgrpdata ( site );
CREATE TABLE privgrpdata_save
  pd_group_id
                            INTEGER.
                                                                                     -- priv grp ID
  pd function
                            SMALLINT NOT NULL,
                                                                                     -- function identifier
                                                                                       1 = Cardholder, 2 = Badge resync, 3 = Image recall,
                                                                                       4 = Image recall filters, 5 = Alarm monitor,
                                                                                       6 = Alarm instruction text. 7 = Instruction text.
                                                                                       8 = \text{Alarms filter}, 9 = \text{Alarms forwarding},
                                                                                       10 = Configure events, 11 = Event counters,
                                                                                       12 = Trigger events manually, 13 = Output control,
                                                                                       14 = Panel relay, 15 = Door control, 16 = Control all doors,
                                                                                       17 = Run report, 18 = Report configuration,
                                                                                       19 = Assign operator, 20 = Change password,
                                                                                       21 = Menu permission groups, 22 = Real time list,
                                                                                       23 = Real time map, 24 = Download, 25 = Download status,
                                                                                       26 = Service control, 27 = Workstation status,
                                                                                       28 = System status, 29 = Database maintenance,
                                                                                       30 = Update CK720 panels, 31 = CK720 write DB to flash,
                                                                                       32 = Local, 33 = System, 34 = Company, 35 = Department,
                                                                                       36 = Access template, 37 = User defined fields, 38 = Setup,
                                                                                       39 = Badge layout, 40 = Map maker, 41 = Icon editor,
                                                                                       42 = Badges, 43 = Cardholder images,
                                                                                       10001 = Registration parameters, 10002 = Site parameters,
                                                                                       10003 = Workstation, 10004 = Partitions, 10005 = Counters,
                                                                                       10006 = Time zones, 10007 = Holidays,
                                                                                       10008 = Access groups, 10009 = Terminal groups,
                                                                                       10010 = Panel, 10011 = Panel timezones,
                                                                                       10012 = Panel holidays, 10013 = Soft alarm,
                                                                                       10014 = Input groups, 10015 = Output groups,
                                                                                       10016 = Panel card event, 10017 = Terminals,
                                                                                       10018 = Input points, 10019 = Output points,
                                                                                       10020 = Action interlocks, 10021 = BACnet sources,
  pd privilege
                            SMALLINT NOT NULL,
                                                                                     -- application privilege
                                                                                       0 = \text{none}, 1 = \text{read}, 2 = \text{edit}, 4 = \text{full}
 site
                            CHAR(32) NOT NULL,
                                                                                     -- Site Name
  pd guid
                            uniqueidentifier NOT NULL.
                                                                                     -- Global unique record identifier
  pd checksum
                            INTEGER NOT NULL,
                                                                                     -- Record checksum
  upd guid
                            uniqueidentifier NOT NULL,
                                                                                     -- Guid for update operation
                            SMALLINT NOT NULL,
  upd_mode
                                                                                     -- Update mode (0 - delete, 1 - edit, 2 - new)
  upd_timestamp
                            DATETIME NOT NULL,
                                                                                     -- Date / Time of the update
  upd checksum
                            INTEGER NOT NULL,
                                                                                     -- Checksum
  upd rowguid
                            uniqueidentifier ROWGUIDCOL DEFAULT newid()
```

```
UNIQUE NOT NULL,
                                                                           -- Global unique record identifier
 PRIMARY KEY
                         ( pd_group_id, pd_function, upd_mode desc, upd_guid)
);
CREATE TABLE privgrp_save
                         INTEGER NOT NULL,
                                                                                            -- unique menu privilege group ID
 pg_id
 pg_group_name
                         CHAR(32) NOT NULL,
                                                                                            -- menu privilege group name
                         CHAR(32) NOT NULL,
                                                                                            -- Site Name
 site
 pg_guid
                         uniqueidentifier NOT NULL,
                                                                                            -- Global unique record identifier
 pg_checksum
                         INTEGER NOT NULL,
                                                                                            -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                                            -- Guid for update operation
 upd_mode
                         SMALLINT NOT NULL,
                                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                         DATETIME NOT NULL,
                                                                                            -- Date / Time of the update
 upd checksum
                         INTEGER NOT NULL,
                                                                                            -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd_rowguid
 PRIMARY KEY
                         ( pg_id, upd_mode desc, upd_guid)
);
CREATE TABLE processinfo
 pi_id
                         INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                         DATETIME NOT NULL,
 pi_timestamp
                         CHAR(64) NOT NULL,
 pi_name
 pi_process_id
                         INTEGER NOT NULL.
 pi working size
                         INTEGER NOT NULL,
 pi peak working size
                         INTEGER NOT NULL,
 PRIMARY KEY
                         (pi_id)
                         pi name ON processinfo ( pi name );
 CREATE INDEX
 CREATE INDEX
                         pi timestamp ON processinfo (pi timestamp);
CREATE TABLE reason
                           CHAR(32) PRIMARY KEY,
                                                                              -- Unique reason choice that can be assigned to a new badge
 r name
                           CHAR(32) NOT NULL,
                                                                              -- Site Name
 site
                           uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 r guid
                                                                              -- Global unique record identifier
                           INTEGER NOT NULL,
                                                                               -- Record checksum
 r_checksum
 CREATE UNIQUE INDEX r site name ON reason (site, r name);
CREATE TABLE reason_save
                         CHAR(32),
                                                                              -- Unique reason choice that can be assigned to a new badge
 r_name
                         CHAR(32) NOT NULL,
                                                                              -- Site Name
 site
 r guid
                         uniqueidentifier NOT NULL,
                                                                              -- Global unique record identifier
 r checksum
                         INTEGER NOT NULL,
                                                                              -- Record checksum
                         uniqueidentifier NOT NULL,
 upd guid
                                                                              -- Guid for update operation
                         SMALLINT NOT NULL,
                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_mode
 upd timestamp
                         DATETIME NOT NULL,
                                                                              -- Date / Time of the update
                         INTEGER NOT NULL,
 upd checksum
                                                                              -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                           UNIQUE NOT NULL,
                                                                               -- Global unique record identifier
 PRIMARY KEY
                         (r_name, upd_mode desc, upd_guid)
);
```

#### **CREATE TABLE** recipient r id INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY, -- recipient ID INTEGER REFERENCES panel(p\_panel\_id) r\_panel\_id NOT FOR REPLICATION, -- panel ID INTEGER, -- 0 = Host Event Category, 1 = Host Log Category, r\_category 2 = Host Logic Category, 3 = Audit Log Category, 4 = Panel Category, 5 = Panel Event Category, 6 = Hardware Category, 7 = Terminal Category, 8 = Reader Category, 9 = Input Category, 10 = Output Category, 11 = Grant Category, 12 = Deny Category, 13 = Trace Category, 14 = Time and Attendance Category, TINYINT. -- Field from BACnet Notification Class r valid days DATETIME, -- Field from BACnet Notification Class r from time r\_to\_time DATETIME, -- Field from BACnet Notification Class r choice TINYINT, -- Field from BACnet Notification Class INTEGER. -- Field from BACnet Notification Class r instance r network SMALLINT. -- Field from BACnet Notification Class -- Field from BACnet Notification Class r ip addr CHAR(16), r udp port INTEGER, -- Field from BACnet Notification Class -- Field from BACnet Notification Class INTEGER, r\_process r\_confirmed -- Field from BACnet Notification Class BIT. r transitions TINYINT. -- Field from BACnet Notification Class CREATE INDEX r panel id ON recipient (r panel id); CREATE INDEX r\_category ON recipient ( r\_category ); CREATE TABLE redn\_xaction CHAR(32) NOT NULL, -- Site Name site INTEGER IDENTITY NOT FOR REPLICATION redn\_id PRIMARY KEY, -- input ID to which this status belongs uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier redn\_guid redn checksum INTEGER NOT NULL, -- Record checksum redn enable SMALLINT NOT NULL, -- 0: disable, 1: enable -- failover action 0: no action, 1: system failover, 2: manual redn action SMALLINT NOT NULL, failover, 3. failback, 4: config, 5: restarted, 6:status check SMALLINT NOT NULL, -- working server 1: primary, 2 standby redn current server redn pri status SMALLINT NOT NULL, -- primary server status 0: none, 1: current server, 2: ready to failback redn stdby status SMALLINT NOT NULL, -- standby server status 0: none, 1: current server, 2: ready to failover redn\_temp\_status SMALLINT NOT NULL, -- secondary primary server status 0: none, 1: existing (under monitoring), 2: rebooting redn timestamp DATETIME, -- time stamp for status checked redn\_failure\_id INTEGER, -- failed service ID, 0 for system redn\_return SMALLINT NULL, --return value from command line, script or API redn\_msg CHAR(256) -- failure information CREATE TABLE redundancy cfg CHAR(32) NOT NULL, -- Site Name site INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY, -- unique database ID redncfg id redncfg\_guid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier redncfg\_type SMALLINT NOT NULL, -- server type, 0 = Primary, 1 = Standbyredncfg\_checksum -- Record checksum INTEGER NOT NULL, redncfg server name varchar(32) NOT NULL, -- server name redncfg\_server\_ip CHAR(16) NOT NULL, -- server IP address redncfg\_server\_datanet\_ip CHAR(16) NOT NULL, -- server private IP address

```
varchar(32) NOT NULL,
redncfg server login name
                                                                                                     -- server login name
redncfg_server_login_password
                                   CHAR(16),
                                                                                                     -- server login Pswrd
redncfg_server_domain
                                    varchar(32),
                                                                                                     -- server domain name
redncfg safemode name
                                                                                                     -- safe mode server name
                                    varchar(32),
redncfg safemode ip
                                    CHAR(16),
                                                                                                     -- safe mode server IP address
redncfg_safemode_login_name
                                    varchar(32),
                                                                                                     -- safe mode server login name
redncfg_safemode_login_password
                                   CHAR(16),
                                                                                                     -- safe mode server login pswrd
redncfg_safemode_datanet_ip
                                   CHAR(16),
                                                                                                     -- safe mode datanet IP address
redncfg monitor interval
                                    SMALLINT.
                                                                                                     -- failure checking frequency in seconds
redncfg monitor timeout
                                    SMALLINT,
                                                                                                     -- failover delay time from failure to start
                                                                                                        failover procedure
redncfg_bandwidth_limit
                                   INT,
                                                                                                     -- network bandwidth limitation between
                                                                                                        primary server to standby server
                                    varchar(500) NOT NULL,
                                                                                                     -- where the database data file is
redncfg database path
redncfg failover public nic
                                   INT,
                                                                                                     -- fail over Public NIC number
redncfg_failover_private_nic
                                   INT
                                                                                                     -- fail over Private NIC number
CREATE UNIQUE INDEX
                                   redundancy_cfg_site_name ON redundancy_cfg (site, redncfg_server_name);
```

### CREATE TABLE redundancy cfg save

```
CHAR(32) NOT NULL,
                                                                                -- Site Name
 site
 redncfg_id
                                     INTEGER,
                                                                                -- unique database ID
 redncfg_guid
                                     uniqueidentifier NOT NULL,
                                                                                -- Global unique record identifier
                                     SMALLINT NOT NULL,
                                                                                -- server type, 0 = Primary, 1 = Standby
 redncfg type
 redncfg checksum
                                     INTEGER NOT NULL,
                                                                                -- Record checksum
 redncfg_server_name
                                     varchar(32) NOT NULL,
                                                                                -- server name
                                                                                -- server IP address
 redncfg_server_ip
                                     CHAR(16) NOT NULL,
 redncfg server datanet ip
                                     CHAR(16) NOT NULL,
                                                                                -- server private IP address
 redncfg server login name
                                     varchar(32) NOT NULL,
                                                                                -- server login name
 redncfg_server_login_password
                                     CHAR(16),
                                                                                -- server login Pswrd
                                                                                -- server domain name
 redncfg server domain
                                     varchar(32),
                                                                                -- safe mode server name
 redncfg_safemode_name
                                     varchar(32),
 redncfg safemode ip
                                     CHAR(16),
                                                                                -- safe mode server IP address
 redncfg safemode login name
                                     varchar(32),
                                                                                -- safe mode server login name
 redncfg safemode login password
                                    CHAR(16),
                                                                                -- safe mode server login pswrd
 redncfg_safemode_datanet_ip
                                                                                -- safe mode datanet IP address
                                     CHAR(16),
 redncfg monitor interval
                                     SMALLINT,
                                                                                -- failure checking frequency in seconds
 redncfg monitor timeout
                                     SMALLINT,
                                                                                -- failover delay time from failure to start failover procedure
 redncfg_bandwidth_limit
                                     INT,
                                                                                -- network bandwidth limitation between primary server to
                                                                                  standby server
                                                                                -- where the database data file is
 redncfg_database_path
                                     varchar(500) NOT NULL,
 redncfg_failover_public_nic
                                     INT,
                                                                                -- fail over Public NIC number
                                                                                -- fail over Private NIC number
 redncfg failover private nic
                                     INT.
 upd_guid
                                     uniqueidentifier NOT NULL,
                                                                                -- Guid for update operation
 upd_mode
                                     SMALLINT NOT NULL,
                                                                                -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                                -- Date / Time of the update
 upd timestamp
                                     DATETIME NOT NULL,
 upd checksum
                                     INTEGER NOT NULL,
                                                                                -- Checksum
                                     uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                                        newid() UNIQUE NOT NULL,
                                                                                -- Global unique record identifier
 PRIMARY KEY
                                     ( redncfg_id, upd_mode desc, upd_guid)
);
CREATE TABLE redundancy_isolation_ip
```

```
site
                          CHAR(32) NOT NULL,
                                                                                               -- Site Name
                          INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY,
 rii id
 rii guid
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                               -- Global unique record identifier
 rii checksum
                          INTEGER NOT NULL,
                                                                                               -- Record checksum
 rii_ip
                          CHAR(16) NOT NULL,
                                                                                               -- isolation IP address
 rii_desc
                          CHAR(64),
                                                                                               -- description of the IP
);
```

```
CREATE TABLE redundancy_isolation_ip_save
 site
                          CHAR(32) NOT NULL,
                                                                                                -- Site Name
 rii id
                          INTEGER NOT NULL,
                          uniqueidentifier NOT NULL,
 rii_guid
                                                                                                -- Global unique record identifier
 rii checksum
                          INTEGER NOT NULL,
                                                                                                -- Record checksum
                          CHAR(16) NOT NULL,
                                                                                                -- isolation IP address
 rii_ip
 rii_desc
                          CHAR(64),
                                                                                                -- description of the IP
                          uniqueidentifier NOT NULL,
 upd guid
                                                                                                -- Guid for update operation
                          SMALLINT NOT NULL.
 upd mode
                                                                                                -- Update mode (0 - delete, 1 - edit, 2 - new)
                          DATETIME NOT NULL,
 upd timestamp
                                                                                                -- Date / Time of the update
 upd checksum
                          INTEGER NOT NULL,
                                                                                                -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd_rowguid
 PRIMARY KEY
                          (rii_id, upd_mode desc, upd_guid)
);
CREATE TABLE registration
                          CHAR(40) NULL,
                                                                                         -- registration key
 r_reg_key
                          CHAR(24) PRIMARY KEY NOT NULL,
 r_install_key
                                                                                         -- installation key
 r validity key
                          CHAR(16) NULL
                                                                                          -- validity key
);
CREATE TABLE remoteserver
                             INTEGER IDENTITY NOT FOR REPLICATION
 rs_id
                                PRIMARY KEY,
                                                                                   -- unique database ID
                             CHAR(32) NOT NULL,
                                                                                   -- remote server name
 rs_name
                             INTEGER REFERENCES partition(part number)
 rs_partition
                                                                                   -- partition ID to which this remote server belongs
-- 1 = remote server is public, 0 = remote server is private
                                NOT FOR REPLICATION,
 rs public
                             SMALLINT NOT NULL.
                             CHAR(255) NULL,
 rs computer
                                                                                   -- computer name
 rs ip address
                             CHAR(16) NULL,
                                                                                   -- TCP IP Address
                                                                                   -- TCP IP Port number
                             INTEGER NULL,
 rs_port
                             INTEGER REFERENCES timezone(tz_id)
 rs_tz_id
                                NOT FOR REPLICATION,
                                                                                   -- time zone ID
 rs mfg id
                             INTEGER REFERENCES msgfiltergroup(mfg id)
                                NOT FOR REPLICATION,
                                                                                   -- message filter group ID
                                                                                   -- queue length 100 to 1000
                             INTEGER NOT NULL,
 rs_queuelength
                             INTEGER NOT NULL.
                                                                                   -- queue expiry 15 to 900
 rs_queueexpiry
 rs sessionlength
                             INTEGER NOT NULL,
                                                                                   -- session length 1 to 100
 rs sessionduration
                             INTEGER NOT NULL,
                                                                                   -- session duration 60 to 900
                             INTEGER NOT NULL,
                                                                                   -- session end timeout 15 to 900
 rs sessiontimeout
                                                                                   -- site name of the remote site
 rs remote site
                             CHAR(32),
 rs_enable_transmit
                             SMALLINT NOT NULL,
                                                                                   -- enable tranmission to remote computer
                             SMALLINT NOT NULL,
 rs enable receive
                                                                                   -- enable receiving information from remote site
 rs invalid attempt
                             INTEGER NOT NULL,
                                                                                   -- number of consecutive invalid attempts
                             CHAR(32) NOT NULL,
                                                                                   -- Site Name
 site
 rs_guid
                             uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                  -- Global unique record identifier
 rs_checksum
                             INTEGER NOT NULL,
                                                                                   -- Record checksum
 rs_protocol
                             SMALLINT NOT NULL,
                                                                                   -0 = P2000 \text{ binary}, 1 = P2000 \text{ XML}
 CREATE UNIQUE INDEX rs site name ON remoteserver (site, rs name);
CREATE TABLE remoteserver_save
 rs id
                          INTEGER NOT NULL,
                                                                               -- unique database ID
 rs name
                          CHAR(32) NOT NULL,
                                                                              -- remote server name
                          INTEGER.
                                                                              -- partition ID to which this remote server belongs
 rs_partition
 rs public
                          SMALLINT NOT NULL,
                                                                              -1 = remote server is public, 0 = remote server is private
 rs_computer
                          CHAR(255) NULL,
                                                                              -- computer name
```

rs_ip_address	CHAR(16) NULL,	TCP IP Address
rs_port	INTEGER NULL,	TCP IP Port number
rs_tz_id	INTEGER,	time zone ID
rs_mfg_id	INTEGER,	message filter group ID
rs_queuelength	INTEGER NOT NULL,	queue length 100 to 1000
rs_queueexpiry	INTEGER NOT NULL,	queue expiry 15 to 900
rs_sessionlength	INTEGER NOT NULL,	session length 1 to 100
rs_sessionduration	INTEGER NOT NULL,	session duration 60 to 900
rs_sessiontimeout	INTEGER NOT NULL,	session end timeout 15 to 900
rs remote site	CHAR(32),	site name of the remote site
rs_enable_transmit	SMALLINT NOT NULL,	enable tranmission to remote computer
rs enable receive	SMALLINT NOT NULL,	enable receiving information from remote site
rs invalid attempt	INTEGER NOT NULL,	number of consecutive invalid attempts
site	CHAR(32) NOT NULL,	Site Name
rs guid	uniqueidentifier NOT NULL,	Global unique record identifier
rs checksum	INTEGER NOT NULL,	Record checksum
upd_guid	uniqueidentifier NOT NULL,	Guid for update operation
upd_mode	SMALLINT NOT NULL,	Update mode (0 - delete, 1 - edit, 2 - new)
upd_inode upd_timestamp	DATETIME NOT NULL,	Date / Time of the update
upd_checksum	INTEGER NOT NULL,	Checksum
upd_rowguid	uniqueidentifier ROWGUIDCOL DEFAULT newid()	Checksum
upu_rowguru	*	Clabal unique record identifier
. 1	UNIQUE NOT NULL,	Global unique record identifier
rs_protocol	SMALLINT NOT NULL,	0 = P2000 binary, 1 = P2000 XML
PRIMARY KEY	(rs_id, upd_mode desc, upd_guid)	
);		
ODEATE TABLE	4	
CREATE TABLE	report	
(		
report_partition	INTEGER REFERENCES partition(part_number)	
	NOT FOR REPLICATION,	partition ID to which this report belongs
report_public	SMALLINT,	-1 = public, 0 = private
report_id	INTEGER IDENTITY NOT FOR REPLICATION	
	PRIMARY KEY,	unique report ID
report_name	CHAR(128) NOT NULL,	report name
report user	SMALLINT,	1 = user report
report lang id	CHAR(4) NOT NULL,	report lang id (hex) e.g. spanish = 040a, english 0409
report_index	SMALLINT,	report index id
site	CHAR(32) NOT NULL,	Site Name
report guid	uniqueidentifier ROWGUIDCOL UNIQUE NOT NUL	L, Global unique record identifier
report_checksum	INTEGER NOT NULL,	Record checksum
report hide	SMALLINT NOT NULL,	1 = report is hidden
);	om ibbii(11(officeb),	r report is inducti
	NDEX rpt part name ON report (site, report partition, report	name report user report lang id):
CREATE INDEX	report public ON report ( report public );	_name, report_user, report_lang_ta ),
CREATE INDEA	report_public Orv report ( report_public ),	
CDEATE TABLE	roportdata	
CREATE TABLE	reportdata	
(	DIFFERENCES AND	EDITION TO THE TOTAL THE TOTAL TO THE TOTAL THE TOTAL TO THE TOTAL TOT
report_id	INTEGER REFERENCES report(report_id) NOT FOR RI	
report_data	IMAGE,	report binary data
site	CHAR(32) NOT NULL,	Site Name
report_guid	uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,	<ul> <li>Global unique record identifier</li> </ul>
report_checksum	INTEGER NOT NULL,	Record checksum
PRIMARY KEY	(report_id)	
);		
<b>CREATE TABLE</b>	reportdata_save	
(	-	
report id	INTEGER NOT NULL,	report ID
report_data	IMAGE,	report binary data
site	CHAR(32) NOT NULL,	Site Name
report guid	uniqueidentifier NOT NULL,	Global unique record identifier
report_guiu	uniqueidentinei mor mode,	Giovai anique record identifiel

```
report checksum
                         INTEGER NOT NULL,
                                                                                             -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                                             -- Guid for update operation
                         SMALLINT NOT NULL,
 upd_mode
                                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                         DATETIME NOT NULL,
                                                                                             -- Date / Time of the update
 upd checksum
                         INTEGER NOT NULL,
                                                                                             -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd rowguid
 PRIMARY KEY
                         (report id, upd mode desc, upd guid)
CREATE TABLE reportpartition
 rp_id
                         uniqueidentifier NOT NULL,
                                                                                       -- Identifier for report instance
 rp_part_name
                         CHAR(32) NOT NULL,
                                                                                       -- Partition to use for this report
 PRIMARY KEY
                         (rp id, rp part name)
CREATE TABLE report_save
 report_partition
                         INTEGER.
                                                                                  -- partition ID to which this report belongs
 report public
                         SMALLINT.
                                                                                   -1 = \text{public}, 0 = \text{private}
                         INTEGER NOT NULL,
                                                                                   -- unique report ID
 report id
 report_name
                         CHAR(128) NOT NULL,
                                                                                   -- report name
                         SMALLINT,
                                                                                  -1 = user report
 report_user
                         CHAR(4) NOT NULL,
                                                                                   -- report lang id (hex) e.g. spanish = 040a, english 0409
 report_lang_id
 report index
                         SMALLINT.
                                                                                   -- report index id
                         CHAR(32) NOT NULL,
                                                                                   -- Site Name
                         uniqueidentifier NOT NULL,
 report_guid
                                                                                  -- Global unique record identifier
                         INTEGER NOT NULL,
                                                                                  -- Record checksum
 report_checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                                  -- Guid for update operation
                         SMALLINT NOT NULL,
                                                                                  -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
 upd timestamp
                         DATETIME NOT NULL,
                                                                                  -- Date / Time of the update
 upd_checksum
                         INTEGER NOT NULL,
                                                                                  -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                                   -- Global unique record identifier
 report hide
                         SMALLINT,
                                                                                   -- 1 = report is hidden
 PRIMARY KEY
                         (report id, upd mode desc, upd guid)
);
CREATE TABLE requestapprovers
 ra guid
                         uniqueidentifier DEFAULT newid() ROWGUIDCOL UNIQUE NOT NULL,
                         INTEGER REFERENCES partition(part number) NOT FOR REPLICATION,
 ra_partition
                         INTEGER NOT NULL,
 ra order
 ra_sender
                         CHAR(64) NOT NULL,
                         VARCHAR(64) NOT NULL,
 ra senderdetail
 ra operation
                         INT NOT NULL,
                         INTEGER NULL REFERENCES company(company_id) NOT FOR REPLICATION,
 ra company
                         INTEGER NULL REFERENCES dept(dept_id) NOT FOR REPLICATION,
 ra department
 site
                         CHAR(32) NOT NULL,
 ra checksum
                         INTEGER NOT NULL,
 PRIMARY KEY
                         ( site, ra_partition, ra_order )
CREATE TABLE requestapprovers_details
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 rad guid
                                                                                                     -- Global unique record identifier
                         uniqueidentifier REFERENCES requestapprovers(ra_guid) NOT FOR REPLICATION,
 rad_ra_guid
 rad cardholder
                         INTEGER REFERENCES cardholder(c_id) NOT FOR REPLICATION,
 rad active
                         INTEGER NOT NULL,
                         INTEGER NOT NULL,
```

rad level

```
CHAR(32) NOT NULL,
                                                                                                    -- Site Name
 site
 rad checksum
                         INTEGER NOT NULL,
                                                                                                    -- Record checksum
 PRIMARY KEY
                         ( rad_ra_guid, rad_cardholder, rad_level )
);
CREATE TABLE requestapprovers_details_save
 rad_guid-
                         NOT NULL,
                                                                                            -- Global unique record identifier
 rad_ra_guid
                         uniqueidentifier,
 rad cardholder
                         INTEGER,
 rad active
                         INTEGER NOT NULL,
 rad level
                         INTEGER NOT NULL,
                         CHAR(32) NOT NULL,
                                                                                            -- Site Name
 site
 rad_checksum
                                                                                            -- Record checksum
                         INTEGER NOT NULL,
 upd guid
                         uniqueidentifier NOT NULL,
                                                                                            -- Guid for update operation
 upd_mode
                         SMALLINT NOT NULL,
                                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                         DATETIME NOT NULL,
                                                                                            -- Date / Time of the update
                                                                                            -- Checksum
 upd_checksum
                         INTEGER NOT NULL,
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd rowguid
 PRIMARY KEY
                         (rad ra guid, rad cardholder, upd guid)
CREATE TABLE requestapprovers_save
                         uniqueidentifier NOT NULL,
 ra_guid
 ra partition
                         INTEGER NOT NULL,
 ra_order
                         INTEGER NOT NULL,
                         CHAR(64) NOT NULL,
 ra_sender
 ra_senderdetail
                         VARCHAR(64) NOT NULL,
 ra operation
                         INT NOT NULL,
 ra company
                         INTEGER NULL,
 ra_department
                         INTEGER NULL,
                         CHAR(32) NOT NULL,
 site
 ra_checksum
                         INTEGER NOT NULL,
 upd guid
                         uniqueidentifier NOT NULL,
                                                                                            -- Guid for update operation
 upd mode
                         SMALLINT NOT NULL,
                                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                                            -- Date / Time of the update
                         DATETIME NOT NULL,
 upd_timestamp
 upd_checksum
                         INTEGER NOT NULL,
                                                                                            -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd rowguid
 PRIMARY KEY
                         (ra partition, ra order, upd guid)
CREATE TABLE requestconfig
                         CHAR(32) NOT NULL,
 site
                                                                           -- Site Name
                         uniqueidentifier DEFAULT newid()
 rc_guid
                           ROWGUIDCOL UNIQUE NOT NULL,
                                                                           -- Global unique record identifier
                         VARCHAR(64) NOT NULL,
 rc_sender
                                                                           -- sender of application
                         VARCHAR(64) NOT NULL,
                                                                           -- sender details of application
 rc senderdetail
 rc_approval_levels
                         INTEGER NOT NULL,
                                                                           -- number of approvals for this application
 rc_process_type
                         INTEGER NOT NULL,
                                                                           -- 0 = manual processing, 1 = auto processing
 rc checksum
                         INTEGER NOT NULL,
                                                                           -- Record checksum
 PRIMARY KEY
                         ( site, rc_sender, rc_senderdetail )
);
CREATE TABLE requestconfig_save
                         CHAR(32) NOT NULL,
 site
                                                                                           -- Site Name
 rc_guid
                         uniqueidentifier NOT NULL,
                                                                                           -- Global unique record identifier
                         VARCHAR(64) NOT NULL,
                                                                                           -- sender of application
 rc_sender
```

```
rc senderdetail
                         VARCHAR(64) NOT NULL,
                                                                                           -- sender details of application
 rc_approval_levels
                         INTEGER NOT NULL,
                                                                                           -- number of approvals for this application
 rc_process_type
                         INTEGER NOT NULL,
                                                                                           --0 = manual processing, 1 = auto processing
 rc_checksum
                         INTEGER NOT NULL,
                                                                                           -- Record checksum
 upd guid
                         uniqueidentifier NOT NULL,
                                                                                           -- Guid for update operation
 upd_mode
                         SMALLINT NOT NULL,
                                                                                           -- Update mode (0 - delete, 1 - edit, 2 - new)
                         DATETIME NOT NULL,
                                                                                           -- Date / Time of the update
 upd timestamp
                         INTEGER NOT NULL,
 upd_checksum
                                                                                           -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd rowguid
                            UNIQUE NOT NULL,
                                                                                           -- Global unique record identifier
 PRIMARY KEY
                         ( site, rc_sender, rc_senderdetail, upd_guid )
);
CREATE TABLE request queue
 rq_id
                         INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                           -- unique database ID,
 rq_sender
                         VARCHAR(64) NULL,
                         VARCHAR(64) NULL,
 rq_senderdetail
 rq sourceip
                         VARCHAR(32) NULL,
                         TINYINT NOT NULL,
 rq operation
 rq createtime
                         datetime NOT NULL,
 rq_modificationtime
                         datetime NOT NULL,
                         BIT NOT NULL,
 rq_revised
 rq_processstatus
                         TINYINT NOT NULL.
 rq integrity
                         BIT NOT NULL,
 rq rfirstname
                         VARCHAR(25) NULL,
                         VARCHAR(25) NULL,
 rq_rmiddlename
                         VARCHAR(25) NULL,
 rq_rlastname
 rq rsitename
                         VARCHAR(32) NULL,
 rq rpartition
                         VARCHAR(32) NULL,
 rq_rcompany
                         VARCHAR(32) NULL,
                         VARCHAR(255) NULL,
 rq requestnotes
 rq_entityid
                         VARCHAR(25) NULL,
                         TINYINT NOT NULL,
 rq_type
 rq sitename
                         VARCHAR(32) NULL,
 rq_partition
                         VARCHAR(32) NULL,
 rq firstname
                         VARCHAR(25) NOT NULL,
 rq middlename
                         VARCHAR(25) NULL,
                         VARCHAR(25) NOT NULL,
 rq lastname
 rq_company
                         VARCHAR(32) NULL,
 rq starttime
                         datetime NULL,
 rq_expiretime
                         datetime NULL.
 rq_sfirstname
                         VARCHAR(25) NULL,
 rq smiddlename
                         VARCHAR(25) NULL,
                         VARCHAR(25) NULL,
 rq_slastname
 rq_ssitename
                         VARCHAR(32) NULL,
                         VARCHAR(32) NULL,
 rq_spartition
                         VARCHAR(32) NULL,
 rq scompany
 rq_orgxmlblock
                         TEXT NOT NULL,
 rq_rltxmlblock
                         TEXT NULL,
                         VARCHAR(32) NULL,
 rq_rdepartment
 rq_approver_guid
                         uniqueidentifier NULL,
 rowtimestamp
                         timestamp,
 rq location
                         VARCHAR(255) NULL,
                         datetime NULL,
 rq_timeofarrival
 PRIMARY KEY
                         (rq_id)
 CREATE INDEX
                         rq processstatus ON request queue ( rq processstatus );
 CREATE INDEX
                         rq name ON request queue ( rq lastname, rq firstname, rq middlename );
 CREATE INDEX
                         rq_sname ON request_queue ( rq_slastname, rq_sfirstname, rq_smiddlename );
 CREATE INDEX
                         rq_rname ON request_queue ( rq_rlastname, rq_rfirstname, rq_rmiddlename );
 CREATE INDEX
                         rq company ON request queue (rq company);
 CREATE INDEX
                         rq_scompany ON request_queue ( rq_scompany );
```

```
CREATE INDEX
                         rq rcompany ON request queue ( rq rcompany );
 CREATE INDEX
                         rq_starttime ON request_queue ( rq_starttime );
 CREATE INDEX
                         rq_expiretime ON request_queue ( rq_expiretime );
 CREATE INDEX
                         rq_createtime ON request_queue ( rq_createtime );
 CREATE INDEX
                         rq_approver_guid ON request_queue ( rq_approver_guid );
CREATE TABLE request_queue_hist
                         uniqueidentifier DEFAULT newid() ROWGUIDCOL NOT NULL,
                                                                                          -- unique id for this record
 rq_guid
 rq_sender
                         VARCHAR(64) NULL,
 rq senderdetail
                         VARCHAR(64) NULL,
 rq_sourceip
                         VARCHAR(32) NULL,
                         TINYINT NOT NULL,
 rq_operation
                         datetime NOT NULL,
 rq createtime
 rq modificationtime
                         datetime NOT NULL,
                         BIT NOT NULL,
 rq_revised
 rq_processstatus
                         TINYINT NOT NULL,
 rq_integrity
                         BIT NOT NULL,
 rq rfirstname
                         VARCHAR(25) NULL,
 rg rmiddlename
                         VARCHAR(25) NULL,
 rq rlastname
                         VARCHAR(25) NULL,
                         VARCHAR(32) NULL,
 rq_rsitename
                         VARCHAR(32) NULL,
 rq_rpartition
 rq_rcompany
                         VARCHAR(32) NULL,
 rq_requestnotes
                         VARCHAR(255) NULL,
 rq entityid
                         VARCHAR(25) NULL,
                         TINYINT NOT NULL,
 rq_type
                         VARCHAR(32) NULL,
 rq_sitename
 rq partition
                         VARCHAR(32) NULL,
 rq firstname
                         VARCHAR(25) NOT NULL,
 rq_middlename
                         VARCHAR(25) NULL,
                         VARCHAR(25) NOT NULL,
 rq lastname
 rq_company
                         VARCHAR(32) NULL,
 rq_starttime
                         datetime NULL,
 rq expiretime
                         datetime NULL,
 rq sfirstname
                         VARCHAR(25) NULL,
                         VARCHAR(25) NULL,
 rq_smiddlename
                         VARCHAR(25) NULL,
 rq_slastname
                         VARCHAR(32) NULL,
 rq ssitename
 rq_spartition
                         VARCHAR(32) NULL,
 rq scompany
                         VARCHAR(32) NULL,
                         TEXT NOT NULL,
 rq\_orgxmlblock
 rq_rltxmlblock
                         TEXT NULL,
 rq_rdepartment
                         VARCHAR(32) NULL,
 rq_approver_guid
                         uniqueidentifier NULL,
 rq_location
                         VARCHAR(255) NULL,
                         datetime NULL.
 rq timeofarrival
 PRIMARY KEY
                         NONCLUSTERED (rq guid)
 CREATE CLUSTERED INDEX
                                 rq_createtime ON request_queue_hist ( rq_createtime );
 CREATE INDEX
                                 rq_processstatus ON request_queue_hist ( rq_processstatus );
 CREATE INDEX
                                 rq_name ON request_queue_hist ( rq_lastname, rq_firstname, rq_middlename );
 CREATE INDEX
                                 rq sname ON request queue hist (rq slastname, rq sfirstname, rq smiddlename);
 CREATE INDEX
                                 rg rname ON request queue hist (rg rlastname, rg rfirstname, rg rmiddlename);
 CREATE INDEX
                                 rq_company ON request_queue_hist ( rq_company );
                                 rq_scompany ON request_queue_hist ( rq_scompany );
 CREATE INDEX
 CREATE INDEX
                                 rq rcompany ON request queue hist (rq rcompany);
 CREATE INDEX
                                 rg starttime ON request queue hist (rg starttime);
 CREATE INDEX
                                 rq expiretime ON request queue hist (rq expiretime);
```

#### **CREATE TABLE** requiredfields rf guid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier rf field int NOT NULL, -- enum value of field CHAR(32) NOT NULL, -- Site Name site rf checksum INTEGER NOT NULL, -- Record checksum PRIMARY KEY (rf field, site) CREATE TABLE requiredfields save rf guid uniqueidentifier NOT NULL, -- Global unique record identifier rf field int NOT NULL, -- enum value of field CHAR(32) NOT NULL, site -- Site Name rf checksum INTEGER NOT NULL, -- Record checksum upd guid uniqueidentifier NOT NULL, -- Guid for update operation upd mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) upd\_timestamp DATETIME NOT NULL, -- Date / Time of the update upd checksum INTEGER NOT NULL, -- Checksum uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier upd rowguid PRIMARY KEY (rf\_field, site, upd\_mode desc, upd\_guid) ); **CREATE TABLE** rtlroute rtlroute\_id INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY, -- unique rtlroute ID rtlroute data VARBINARY(7172) NOT NULL, -- up to 7172 bytes of data CREATE TABLE scheduled\_actions INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY. sa id -- unique scheduled action ID sa execute at DATETIME NOT NULL, -- time to execute at sa\_action\_id INTEGER NOT NULL REFERENCES event\_action(eva\_id) -- event action ID to execute NOT FOR REPLICATION, INTEGER REFERENCES event(ev\_id) NOT FOR REPLICATION, sa\_event\_id -- event ID for this action ); CREATE INDEX sa execute at ON scheduled actions (sa execute at); **CREATE TABLE** SecLevelRanges slr\_min\_green INTEGER NOT NULL. INTEGER NOT NULL, slr max green slr setto green INTEGER NOT NULL, slr\_min\_blue INTEGER NOT NULL, slr\_max\_blue INTEGER NOT NULL, slr setto blue INTEGER NOT NULL. slr min yellow INTEGER NOT NULL, slr max yellow INTEGER NOT NULL, slr\_setto\_yellow INTEGER NOT NULL, INTEGER NOT NULL, slr\_min\_orange slr max orange INTEGER NOT NULL, slr setto orange INTEGER NOT NULL, slr\_min\_red INTEGER NOT NULL, slr max red INTEGER NOT NULL, slr\_setto\_red INTEGER NOT NULL,

SMALLINT NOT NULL,

CHAR(32) NOT NULL,

INTEGER IDENTITY NOT FOR REPLICATION NOT NULL,

uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,

slr\_enable sl

slr id

slr\_guid

site

-- Site Name

-- Global unique record identifier

```
INTEGER NOT NULL,
                                                                                             -- Record checksum
 slr checksum
 PRIMARY KEY
                         (slr_id)
);
CREATE TABLE SecLevelRanges save
 slr_min_green
                         INTEGER NOT NULL,
 slr_max_green
                         INTEGER NOT NULL,
 slr_setto_green
                         INTEGER NOT NULL,
 slr_min_blue
                         INTEGER NOT NULL,
 slr max blue
                         INTEGER NOT NULL,
 slr_setto_blue
                         INTEGER NOT NULL,
 slr_min_yellow
                         INTEGER NOT NULL,
 slr_max_yellow
                         INTEGER NOT NULL,
 slr setto yellow
                         INTEGER NOT NULL,
 slr_min_orange
                         INTEGER NOT NULL,
 slr_max_orange
                         INTEGER NOT NULL,
 slr_setto_orange
                         INTEGER NOT NULL,
 slr min red
                         INTEGER NOT NULL,
 slr max red
                         INTEGER NOT NULL,
 slr setto red
                         INTEGER NOT NULL,
 slr_enable_sl
                         SMALLINT NOT NULL,
 slr_id
                         INTEGER NOT NULL,
 site
                         CHAR(32) NOT NULL,
                                                                                             -- Site Name
                         uniqueidentifier NOT NULL,
                                                                                             -- Global unique record identifier
 slr guid
 slr checksum
                         INTEGER NOT NULL,
                                                                                             -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                                             -- Guid for update operation
 upd_mode
                         SMALLINT NOT NULL,
                                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                         DATETIME NOT NULL,
                                                                                             -- Date / Time of the update
 upd checksum
                         INTEGER NOT NULL,
                                                                                             -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd rowguid
 PRIMARY KEY
                         (slr id, upd mode desc, upd guid)
);
CREATE TABLE service_stat
 svrstat_service_id
                         INTEGER REFERENCES svr_startup_cnfg(svr_id) NOT FOR REPLICATION,
 svrstat_session_guid
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                                  -- session guid for this connection
                         CHAR(32) NOT NULL,
                                                                                                  -- Site Name
 site
                                                                                                  -- Record guid for this connection
 svrstat guid
                         uniqueidentifier PRIMARY KEY,
                         INTEGER NOT NULL,
                                                                                                  -- Record checksum
 svrstat checksum
CREATE TABLE siadevice
                            CHAR(32) NOT NULL,
                                                                                             -- Site Name
 site
                            uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 sia guid
                                                                                             -- Global unique record identifier
 sia_partition
                            INTEGER REFERENCES partition(part_number)
                                                                                             -- partition ID to which this device belongs
                               NOT FOR REPLICATION,
 sia public
                            SMALLINT,
                                                                                              -1 = \text{public}, 0 = \text{private}
                            CHAR(32) NOT NULL,
                                                                                             -- name of device
 sia name
                                                                                              -1 = \text{enable}, 0 = \text{disabled}
 sia enable
                            SMALLINT NOT NULL,
 sia port
                            SMALLINT NOT NULL,
                                                                                             -- COM port number
 sia baud rate
                            INTEGER NOT NULL,
                                                                                             -- COM port baud rate
                            SMALLINT NOT NULL,
                                                                                             -- COM port data bits
 sia_data_bits
 sia_parity
                            SMALLINT NOT NULL,
                                                                                             -- COM port parity
                            SMALLINT NOT NULL,
 sia_stop_bits
                                                                                             -- COM port stop bits
 sia_checksum
                            INTEGER NOT NULL,
                                                                                             -- Record checksum
 sia disp alarm
                            SMALLINT NOT NULL,
                                                                                             -- 1 = display alarm in alarm monitor
 PRIMARY KEY
                            (site, sia_port)
 CREATE UNIQUE INDEX sia_site_name ON siadevice (site, sia_name);
```

### CREATE TABLE siadevice\_save

```
site
                        CHAR(32) NOT NULL,
                                                                                              -- Site Name
sia_guid
                        uniqueidentifier NOT NULL,
                                                                                              -- Global unique record identifier
sia_partition
                        INTEGER,
                                                                                              -- partition ID to which this device belongs
sia\_public
                        SMALLINT,
                                                                                               -1 = \text{public}, 0 = \text{private}
                        CHAR(32) NOT NULL,
                                                                                              -- name of device
sia name
                        SMALLINT NOT NULL,
                                                                                              -1 = enable, 0 = disabled
sia_enable
                        SMALLINT NOT NULL,
                                                                                              -- COM port number
sia_port
sia_baud_rate
                        INTEGER NOT NULL,
                                                                                              -- COM port baud rate
sia data bits
                        SMALLINT NOT NULL,
                                                                                              -- COM port data bits
sia parity
                        SMALLINT NOT NULL,
                                                                                              -- COM port parity
                        SMALLINT NOT NULL,
                                                                                              -- COM port stop bits
sia_stop_bits
sia_checksum
                                                                                              -- Record checksum
                        INTEGER NOT NULL,
upd_guid
                        uniqueidentifier NOT NULL,
                                                                                              -- Guid for update operation
upd mode
                        SMALLINT NOT NULL.
                                                                                               -- Update mode (0 - delete, 1 - edit, 2 - new)
upd_timestamp
                        DATETIME NOT NULL,
                                                                                               -- Date / Time of the update
upd_checksum
                        INTEGER NOT NULL,
                                                                                               -- Checksum
upd_rowguid
                        uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
sia_disp_alarm
                                                                                               -- 1 = display alarm in alarm monitor
                        SMALLINT,
PRIMARY KEY
                        (site, sia_port, upd_guid)
```

### **CREATE TABLE** siddnld

(		
sid_id	INTEGER IDENTITY NOT FOR I	REPLICATION
	PRIMARY KEY,	unique siddnld ID
sid_dnld_type	SMALLINT,	1 = CK720 network panel, 2 = serial interface (legacy) panel
sid_panel_id	INTEGER,	panel ID to download to
sid_timestamp	DATETIME,	time of dnld data
sid_nak_count	SMALLINT,	number of NAK replies from panel
sid_count	SMALLINT,	data count in bytes
sid_data_0	INTEGER NULL,	4 bytes of data
sid_data_1	INTEGER NULL,	4 bytes of data
sid_data_2	INTEGER NULL,	4 bytes of data
sid_data_3	INTEGER NULL,	4 bytes of data
sid_data_4	INTEGER NULL,	4 bytes of data
sid_data_5	INTEGER NULL,	4 bytes of data
sid_data_6	INTEGER NULL,	4 bytes of data
sid_data_7	INTEGER NULL,	4 bytes of data
sid_data_8	INTEGER NULL,	4 bytes of data
sid_data_9	INTEGER NULL,	4 bytes of data
sid_data_10	INTEGER NULL,	4 bytes of data
sid_data_11	INTEGER NULL,	4 bytes of data
sid_data_12	INTEGER NULL,	4 bytes of data
sid_data_13	INTEGER NULL,	4 bytes of data
sid_data_14	INTEGER NULL,	4 bytes of data
sid_data_15	INTEGER NULL,	4 bytes of data
sid_data_16	INTEGER NULL,	4 bytes of data
sid_data_17	INTEGER NULL,	4 bytes of data
sid_data_18	INTEGER NULL,	4 bytes of data
sid_data_19	INTEGER NULL,	4 bytes of data
sid_data_20	INTEGER NULL,	4 bytes of data
sid_data_21	INTEGER NULL,	4 bytes of data
sid_data_22	INTEGER NULL,	4 bytes of data
sid_data_23	INTEGER NULL,	4 bytes of data
sid_data_24	INTEGER NULL,	4 bytes of data
sid_data_25	INTEGER NULL,	4 bytes of data
sid_data_26	INTEGER NULL,	4 bytes of data
sid_data_27	INTEGER NULL,	4 bytes of data
sid_data_28	INTEGER NULL,	4 bytes of data
sid_data_29	INTEGER NULL,	4 bytes of data
sid_data_30	INTEGER NULL,	4 bytes of data

sid_data_31	INTEGER NULL,	4 bytes of data
sid_data_32	INTEGER NULL,	4 bytes of data
sid_data_33	INTEGER NULL,	4 bytes of data
sid_data_34	INTEGER NULL,	4 bytes of data
sid data 35	INTEGER NULL,	4 bytes of data
sid_data_36	INTEGER NULL,	4 bytes of data
sid_data_37	INTEGER NULL,	4 bytes of data
sid data 38	INTEGER NULL,	4 bytes of data
sid_data_39	INTEGER NULL,	4 bytes of data
sid_data_40	INTEGER NULL,	4 bytes of data
sid data 41	INTEGER NULL,	4 bytes of data
sid_data_42	INTEGER NULL,	4 bytes of data
sid_data_43	INTEGER NULL,	4 bytes of data
sid data 44	INTEGER NULL,	4 bytes of data
sid_data_45	INTEGER NULL,	4 bytes of data
sid_data_46	INTEGER NULL,	4 bytes of data
sid_data_47	INTEGER NULL,	4 bytes of data
sid_data_48	INTEGER NULL,	4 bytes of data
sid_data_49	INTEGER NULL,	4 bytes of data
sid data 50	INTEGER NULL,	4 bytes of data
sid_data_50 sid_data_51	INTEGER NULL,	4 bytes of data
	INTEGER NULL,	4 bytes of data
sid_data_52	· ·	4 bytes of data
sid_data_53 sid_data_54	INTEGER NULL, INTEGER NULL,	4 bytes of data
sid_data_55	INTEGER NULL,	4 bytes of data
sid_data_56	INTEGER NULL,	4 bytes of data
sid_data_57	INTEGER NULL,	4 bytes of data
sid_data_58	INTEGER NULL,	4 bytes of data
sid_data_59	INTEGER NULL,	4 bytes of data
sid_data_60	INTEGER NULL,	4 bytes of data
sid_data_61	INTEGER NULL,	4 bytes of data
sid_data_62	INTEGER NULL,	4 bytes of data
sid_data_63	INTEGER NULL,	4 bytes of data
sid_data_64	INTEGER NULL,	4 bytes of data
sid_data_65	INTEGER NULL,	4 bytes of data
sid_data_66	INTEGER NULL,	4 bytes of data
sid_data_67	INTEGER NULL,	4 bytes of data
sid_data_68	INTEGER NULL,	4 bytes of data
sid_data_69	INTEGER NULL,	4 bytes of data
sid_data_70	INTEGER NULL,	4 bytes of data
sid_data_71	INTEGER NULL,	4 bytes of data
sid_data_72	INTEGER NULL,	4 bytes of data
sid_data_73	INTEGER NULL,	4 bytes of data
sid_data_74	INTEGER NULL,	4 bytes of data
sid_data_75	INTEGER NULL,	4 bytes of data
sid_data_76	INTEGER NULL,	4 bytes of data
sid_data_77	INTEGER NULL,	4 bytes of data
sid_data_78	INTEGER NULL,	4 bytes of data
sid_data_79	INTEGER NULL,	4 bytes of data
sid_data_80	INTEGER NULL,	4 bytes of data
sid_data_81	INTEGER NULL,	4 bytes of data
sid_data_82	INTEGER NULL,	4 bytes of data
sid_data_83	INTEGER NULL,	4 bytes of data
sid_data_84	INTEGER NULL,	4 bytes of data
sid_data_85	INTEGER NULL,	4 bytes of data
sid_data_86	INTEGER NULL,	4 bytes of data
sid_data_87	INTEGER NULL,	4 bytes of data
sid_data_88	INTEGER NULL,	4 bytes of data
sid_data_89	INTEGER NULL,	4 bytes of data
sid_data_90	INTEGER NULL,	4 bytes of data
sid_data_91	INTEGER NULL,	4 bytes of data
sid_data_92	INTEGER NULL,	4 bytes of data
sid_data_93	INTEGER NULL,	4 bytes of data
sid_data_94	INTEGER NULL,	4 bytes of data
sid_data_95	INTEGER NULL,	4 bytes of data

```
sid data 96
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 97
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 98
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 99
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 100
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_101
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 102
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 103
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 104
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 105
                                                                              -- 4 bytes of data
                         INTEGER NULL,
sid_data_106
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_107
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 108
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data_109
                         INTEGER NULL.
                                                                              -- 4 bytes of data
sid data 110
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_111
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_112
                                                                              -- 4 bytes of data
                         INTEGER NULL,
sid_data_113
                                                                              -- 4 bytes of data
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 114
                         INTEGER NULL,
sid data 115
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_116
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_117
                                                                              -- 4 bytes of data
                         INTEGER NULL,
sid_data_118
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 119
                         INTEGER NULL
                                                                              -- 4 bytes of data
CREATE INDEX
                         sid_panel_id ON siddnld ( sid_panel_id );
CREATE INDEX
```

sid\_timestamp ON siddnld ( sid\_timestamp );

#### CREATE TABLE siddnldpriority

```
INTEGER IDENTITY NOT FOR REPLICATION
sid id
                            PRIMARY KEY,
                                                                               -- unique siddnld ID
                         SMALLINT,
sid\_dnld\_type
                                                                               -- 1 = CK720 network panel, 2 = serial interface (legacy) panel
sid panel id
                                                                               -- panel ID to download to
                         INTEGER,
sid timestamp
                         DATETIME,
                                                                               -- time of dnld data
sid nak count
                         SMALLINT,
                                                                               -- number of NAK replies from panel
sid count
                         SMALLINT,
                                                                               -- data count in bytes
sid data 0
                         INTEGER NULL,
                                                                               -- 4 bytes of data
sid data 1
                                                                               -- 4 bytes of data
                         INTEGER NULL,
sid_data_2
                         INTEGER NULL,
                                                                               -- 4 bytes of data
sid data 3
                         INTEGER NULL,
                                                                               -- 4 bytes of data
sid_data_4
                         INTEGER NULL.
                                                                               -- 4 bytes of data
sid_data_5
                         INTEGER NULL,
                                                                               -- 4 bytes of data
sid data 6
                         INTEGER NULL,
                                                                               -- 4 bytes of data
sid_data_7
                         INTEGER NULL,
                                                                               -- 4 bytes of data
                                                                               -- 4 bytes of data
sid_data_8
                         INTEGER NULL,
sid data 9
                                                                               -- 4 bytes of data
                         INTEGER NULL,
sid data 10
                         INTEGER NULL,
                                                                               -- 4 bytes of data
sid_data_11
                         INTEGER NULL,
                                                                               -- 4 bytes of data
sid data 12
                         INTEGER NULL,
                                                                               -- 4 bytes of data
sid_data_13
                                                                               -- 4 bytes of data
                         INTEGER NULL,
sid data 14
                         INTEGER NULL,
                                                                               -- 4 bytes of data
sid data 15
                                                                               -- 4 bytes of data
                         INTEGER NULL,
sid data 16
                         INTEGER NULL,
                                                                               -- 4 bytes of data
sid_data_17
                                                                               -- 4 bytes of data
                         INTEGER NULL,
sid_data_18
                                                                               -- 4 bytes of data
                         INTEGER NULL,
sid data 19
                         INTEGER NULL,
                                                                               -- 4 bytes of data
sid data 20
                                                                               -- 4 bytes of data
                         INTEGER NULL,
sid data 21
                         INTEGER NULL,
                                                                               -- 4 bytes of data
sid_data_22
                         INTEGER NULL,
                                                                               -- 4 bytes of data
sid_data_23
                                                                               -- 4 bytes of data
                         INTEGER NULL,
sid data 24
                         INTEGER NULL,
                                                                               -- 4 bytes of data
sid data 25
                         INTEGER NULL,
                                                                               -- 4 bytes of data
```

sid_data_26	INTEGER NULL,	4 bytes of data
sid_data_27	INTEGER NULL,	4 bytes of data
sid_data_28	INTEGER NULL,	4 bytes of data
sid_data_29	INTEGER NULL,	4 bytes of data
sid data 30	INTEGER NULL,	4 bytes of data
sid_data_31	INTEGER NULL,	4 bytes of data
sid_data_32	INTEGER NULL,	4 bytes of data
sid data 33	INTEGER NULL,	4 bytes of data
sid_data_34	INTEGER NULL,	4 bytes of data
sid_data_35	INTEGER NULL,	4 bytes of data
sid data 36	INTEGER NULL,	4 bytes of data
sid data 37	INTEGER NULL,	4 bytes of data
sid_data_38	INTEGER NULL,	4 bytes of data
sid data 39	INTEGER NULL,	4 bytes of data
sid_data_40	INTEGER NULL,	4 bytes of data
sid_data_41	INTEGER NULL,	4 bytes of data
sid data 42	INTEGER NULL,	4 bytes of data
sid_data_43	INTEGER NULL,	4 bytes of data
sid_data_44	INTEGER NULL,	4 bytes of data
sid data 45	INTEGER NULL,	4 bytes of data
sid_data_46	INTEGER NULL,	4 bytes of data
sid_data_47	INTEGER NULL,	4 bytes of data
sid_data_48	INTEGER NULL,	4 bytes of data
sid_data_49	INTEGER NULL,	4 bytes of data
sid_data_50	INTEGER NULL,	4 bytes of data
sid_data_51	INTEGER NULL,	4 bytes of data
sid_data_52	INTEGER NULL,	4 bytes of data
sid_data_53	INTEGER NULL,	4 bytes of data
sid_data_54	INTEGER NULL,	4 bytes of data
sid_data_55	INTEGER NULL,	4 bytes of data
sid_data_56	INTEGER NULL,	4 bytes of data
sid_data_57	INTEGER NULL,	4 bytes of data
sid_data_58	INTEGER NULL,	4 bytes of data
sid_data_59	INTEGER NULL,	4 bytes of data
sid_data_60	INTEGER NULL,	4 bytes of data
sid_data_61	INTEGER NULL,	4 bytes of data
sid_data_62	INTEGER NULL,	4 bytes of data
sid_data_63	INTEGER NULL,	4 bytes of data
sid_data_64	INTEGER NULL,	4 bytes of data
sid_data_65	INTEGER NULL,	4 bytes of data
sid_data_66	INTEGER NULL,	4 bytes of data
sid_data_67	INTEGER NULL,	4 bytes of data
sid_data_68	INTEGER NULL,	4 bytes of data
sid_data_69	INTEGER NULL,	4 bytes of data
sid_data_70	INTEGER NULL,	4 bytes of data
sid_data_70 sid_data_71	INTEGER NULL,	4 bytes of data
sid_data_71 sid_data_72	INTEGER NULL,	4 bytes of data
sid_data_72 sid_data_73	INTEGER NULL,	4 bytes of data
sid_data_75	INTEGER NULL,	4 bytes of data
sid_data_75	INTEGER NULL,	4 bytes of data
sid_data_75 sid_data_76	INTEGER NULL,	4 bytes of data
sid_data_70 sid_data_77	INTEGER NULL,	4 bytes of data
sid_data_77	INTEGER NULL,	4 bytes of data
sid_data_78 sid_data_79	INTEGER NULL,	4 bytes of data
sid_data_80	INTEGER NULL,	4 bytes of data
sid_data_80 sid_data_81	INTEGER NULL,	4 bytes of data
sid_data_81 sid_data_82	INTEGER NULL,	4 bytes of data
sid_data_82 sid_data_83	INTEGER NULL,	4 bytes of data
sid_data_84	INTEGER NULL,	4 bytes of data
sid_data_85	INTEGER NULL,	4 bytes of data
sid_data_85 sid_data_86	INTEGER NULL,	4 bytes of data
sid_data_80 sid_data_87	INTEGER NULL,	4 bytes of data
sid_data_88	INTEGER NULL,	4 bytes of data
sid_data_89	INTEGER NULL,	4 bytes of data
sid_data_90	INTEGER NULL,	4 bytes of data
51a_aaaa_70	TITLOURINGED,	roytes of data

	D. WELGED A. W. V.	41
sid_data_91	INTEGER NULL,	4 bytes of data
sid_data_92	INTEGER NULL,	4 bytes of data
sid_data_93	INTEGER NULL,	4 bytes of data
sid_data_94	INTEGER NULL,	4 bytes of data
sid data 95	INTEGER NULL,	4 bytes of data
sid data 96	INTEGER NULL,	4 bytes of data
sid data 97	INTEGER NULL,	4 bytes of data
sid data 98	INTEGER NULL,	4 bytes of data
		· · · · · · · · · · · · · · · · · · ·
sid_data_99	INTEGER NULL,	4 bytes of data
sid_data_100	INTEGER NULL,	4 bytes of data
sid_data_101	INTEGER NULL,	4 bytes of data
sid_data_102	INTEGER NULL,	4 bytes of data
sid_data_103	INTEGER NULL,	4 bytes of data
sid data 104	INTEGER NULL,	4 bytes of data
sid_data_105	INTEGER NULL,	4 bytes of data
sid_data_106	INTEGER NULL,	4 bytes of data
sid_data_107	INTEGER NULL,	4 bytes of data
		4 bytes of data
sid_data_108	INTEGER NULL,	
sid_data_109	INTEGER NULL,	4 bytes of data
sid_data_110	INTEGER NULL,	4 bytes of data
sid_data_111	INTEGER NULL,	4 bytes of data
sid_data_112	INTEGER NULL,	4 bytes of data
sid_data_113	INTEGER NULL,	4 bytes of data
sid_data_114	INTEGER NULL,	4 bytes of data
sid_data_115	INTEGER NULL,	4 bytes of data
sid_data_116	INTEGER NULL,	4 bytes of data
sid_data_117	INTEGER NULL,	4 bytes of data
sid_data_118	INTEGER NULL,	4 bytes of data
sid data 119	INTEGER NULL,	4 bytes of data
sid_data_120		4 bytes of data
	INTEGER NULL,	
sid_data_121	INTEGER NULL,	4 bytes of data
sid_data_122	INTEGER NULL,	4 bytes of data
sid_data_123	INTEGER NULL,	4 bytes of data
sid_data_124	INTEGER NULL,	4 bytes of data
sid_data_125	INTEGER NULL,	4 bytes of data
sid_data_126	INTEGER NULL,	4 bytes of data
sid_data_127	INTEGER NULL,	4 bytes of data
sid_data_128	INTEGER NULL,	4 bytes of data
sid_data_129	INTEGER NULL,	4 bytes of data
sid_data_130	INTEGER NULL,	4 bytes of data
sid_data_131	INTEGER NULL,	4 bytes of data
sid_data_132	INTEGER NULL,	4 bytes of data
sid_data_133	INTEGER NULL,	4 bytes of data
sid_data_134	INTEGER NULL,	4 bytes of data
		·
sid_data_135	INTEGER NULL,	4 bytes of data
sid_data_136	INTEGER NULL,	4 bytes of data
sid_data_137	INTEGER NULL,	4 bytes of data
sid_data_138	INTEGER NULL,	4 bytes of data
sid_data_139	INTEGER NULL,	4 bytes of data
sid_data_140	INTEGER NULL,	4 bytes of data
sid_data_141	INTEGER NULL,	4 bytes of data
sid_data_142	INTEGER NULL,	4 bytes of data
sid_data_143	INTEGER NULL,	4 bytes of data
sid_data_144	INTEGER NULL,	4 bytes of data
sid_data_145	INTEGER NULL,	4 bytes of data
sid_data_146	INTEGER NULL,	4 bytes of data
sid_data_147	INTEGER NULL,	4 bytes of data
sid_data_148	INTEGER NULL,	4 bytes of data
sid_data_149		4 bytes of data
	INTEGER NULL,	4 bytes of data
sid_data_150	INTEGER NULL,	
sid_data_151	INTEGER NULL,	4 bytes of data
sid_data_152	INTEGER NULL,	4 bytes of data
sid_data_153	INTEGER NULL,	4 bytes of data
sid_data_154	INTEGER NULL,	4 bytes of data
sid_data_155	INTEGER NULL,	4 bytes of data

```
sid data 156
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_157
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_158
                         INTEGER NULL,
                                                                              -- 4 bytes of data
                                                                              -- 4 bytes of data
sid data 159
                         INTEGER NULL,
sid data 160
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_161
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 162
                         INTEGER NULL,
                                                                              -- 4 bytes of data
                                                                              -- 4 bytes of data
sid data 163
                         INTEGER NULL,
sid data 164
                         INTEGER NULL.
                                                                              -- 4 bytes of data
sid data 165
                                                                              -- 4 bytes of data
                         INTEGER NULL,
sid_data_166
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_167
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid\_data\_168
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 169
                         INTEGER NULL.
                                                                              -- 4 bytes of data
sid data 170
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_171
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid\_data\_172
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_173
                                                                              -- 4 bytes of data
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 174
                         INTEGER NULL
sid data 175
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_176
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_177
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 178
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 179
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 180
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 181
                                                                              -- 4 bytes of data
                         INTEGER NULL,
sid_data_182
                         INTEGER NULL,
                                                                              -- 4 bytes of data
                                                                              -- 4 bytes of data
sid data 183
                         INTEGER NULL,
sid data 184
                                                                              -- 4 bytes of data
                         INTEGER NULL,
sid data 185
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 186
                                                                              -- 4 bytes of data
                         INTEGER NULL,
sid data 187
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_188
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 189
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 190
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_191
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 192
                                                                              -- 4 bytes of data
                         INTEGER NULL,
sid data 193
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_194
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_195
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 196
                                                                              -- 4 bytes of data
                         INTEGER NULL,
sid data 197
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid data 198
                         INTEGER NULL,
                                                                              -- 4 bytes of data
sid_data_199
                         INTEGER NULL
                                                                              -- 4 bytes of data
CREATE INDEX
                         sid_panel_id ON siddnldpriority ( sid_panel_id );
CREATE INDEX
                         sid_timestamp ON siddnldpriority ( sid_timestamp );
```

### **CREATE TABLE** signature

```
sg_cardholder_id
                       INTEGER
sg_create_date
                       DATETIME.
sg_image
                       IMAGE.
sg instance
                       INTEGER,
                       CHAR(32) NOT NULL,
site
                       uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL
sg_guid
sg checksum
                       INTEGER NOT NULL,
PRIMARY KEY
                       ( sg_cardholder_id, sg_instance )
```

- -- cardholder ID
- -- date signature saved
- -- signature image data -- signature instance
- -- signature instance -- Site Name
- -- Global unique record identifier
- -- Record checksum

### CREATE TABLE signature\_save

sg cardholder id INTEGER, sg create date DATETIME, IMAGE, sg\_image sg\_instance INTEGER, CHAR(32) NOT NULL, site sg\_guid sg checksum INTEGER NOT NULL, upd\_guid upd mode upd timestamp

uniqueidentifier NOT NULL, uniqueidentifier NOT NULL. SMALLINT NOT NULL, DATETIME NOT NULL,

upd\_checksum INTEGER NOT NULL, uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier upd rowguid

PRIMARY KEY ( sg\_cardholder\_id, sg\_instance, upd\_mode desc, upd\_guid ) -- cardholder ID -- date signature saved -- signature image data -- signature instance

-- Site Name -- Global unique record identifier

-- Record checksum

-- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Date / Time of the update

-- Checksum

### **CREATE TABLE** site

s\_visitor\_hrs SMALLINT. -- default valid hours for visitors s audit time INTEGER. -- time to keep audit history (in mins) INTEGER, s alarm time -- time to keep alarm history (in mins) s\_xaction\_time INTEGER, -- time to keep xaction history (in mins) CHAR(255) NOT NULL, -- name of comms server computer s\_comms\_server s\_printing SMALLINT, -- 1 = real time printing enabled s printer name CHAR(255) NULL. -- name of real time printer s print audit SMALLINT, -1 = print audit msgs s print host SMALLINT, -- 1 = print host msgs -- 1 = print panel msgs s\_print\_panel SMALLINT, s\_print\_alarm SMALLINT. -- 1 = print alarm msgs s print deny SMALLINT, -1 = print deny msgs s print grant SMALLINT, -- 1 = print grant msgs s\_print\_trace SMALLINT, -- 1 = print trace msgs CHAR(64) NULL, s\_backup\_device -- name of backup device as configured in SQL Server CHAR(255) NULL, -- name of rras server computer s\_rras\_server s\_query\_string CHAR(64) NULL, -- query string entered by user s host event priority SMALLINT NULL, -- Priority to use when sending BACnet Host Event alarms and messages SMALLINT NULL, -- Priority to use when sending BACnet Host Log alarms and messages s host log priority s\_host\_logic\_priority SMALLINT NULL, -- Priority to use when sending BACnet Host Logic alarms and messages s audit priority SMALLINT NULL, -- Priority to use when sending BACnet Audit alarms and messages -- Priority to use when sending BACnet Hardware alarms and messages s hardware priority SMALLINT NULL, s\_panel\_event\_priority SMALLINT NULL, -- Priority to use when sending BACnet Panel Event alarms and messages s output priority SMALLINT NULL. -- Priority to use when sending BACnet Output alarms and messages s\_grant\_priority -- Priority to use when sending BACnet Grant alarms and messages SMALLINT NULL, s\_deny\_priority SMALLINT NULL, -- Priority to use when sending BACnet Deny alarms and messages SMALLINT NULL, -- Priority to use when sending BACnet Trace alarms and messages s trace priority s\_ta\_priority SMALLINT NULL, -- Priority to use when sending BACnet Time and Attendance alarms and messages CHAR(16) NULL, s bacnet ip -- IP address used for BACnet communications s bacnet port INTEGER NULL, -- IP port for BACnet communications s\_bacnet\_network INTEGER NULL, -- BACnet network number s internal network INTEGER NULL, -- BACnet internal network number -- If 1, badge numbers are limited to 1 - 65535, the range for D620 s\_badge\_limit SMALLINT, s note time INTEGER. -- time to keep tour notes (in mins) SMALLINT NULL, s floor no -- floor number for elevator (1 - 128) s\_door\_no SMALLINT NULL, -- door number for cabinet(1 -128) s\_queue\_for\_disabled SMALLINT NOT NULL, -- Download data will be queued for disabled panels if 1. No queueing takes place if 0. This flag does not control queueing of door, output or relay commands, which are never sent to a disabled panel s print elevator SMALLINT, -- 1 = print audit msgs s\_print\_cabinet SMALLINT, -- 1 = print audit msgs

-- 1 = print audit msgs

-- 1 = set pw char displayed

s\_print\_guardtour s\_set\_pw\_char

SMALLINT,

SMALLINT,

	DIFFERENCE NOTATION	
s_muster_time	INTEGER NOT NULL,	Time to keep saved muster data in minutes
s_print_area	SMALLINT,	1 = print area msgs
s_print_muster	SMALLINT,	1 = print mustering msgs
s_redundancy_serial_port	SMALLINT NOT NULL,	Serial port # to use for redundancy switchover of serial loops: 0 = none
s_legacy_accgrp_dnld_disable	SMALLINT,	1 = do not auto download acc grps to Legacy panels
s_dnld_delay	SMALLINT,	minutes to delay download
s_max_badge_number	INTEGER NOT NULL,	Max Badge Number allowed
s_max_badge_issue_level	SMALLINT NOT NULL,	Max Badge issue level
s_max_accgrps_per_badge	SMALLINT NOT NULL,	Max access groups per badge
s_timepairs_per_day	SMALLINT NOT NULL,	Timezone time pairs per day
s_timepairs_per_tz	SMALLINT NOT NULL,	Timezone time pairs per timezone
s_panel_types	INTEGER NOT NULL,	Bitmask of allowed panel types
s_site_codes_0	INTEGER NOT NULL,	Allowed Site Codes
s_site_code_names_0	CHAR(64) NULL,	name of Allowed Site Codes
s_site_codes_1	INTEGER NOT NULL,	Allowed Site Codes
s_site_code_names_1	CHAR(64) NULL,	name of Allowed Site Codes
s_site_codes_2	INTEGER NOT NULL,	Allowed Site Codes
s_site_code_names_2	CHAR(64) NULL,	name of Allowed Site Codes
s_site_codes_3	INTEGER NOT NULL,	Allowed Site Codes
s_site_code_names_3	CHAR(64) NULL,	name of Allowed Site Codes
s_site_codes_4	INTEGER NOT NULL,	Allowed Site Codes
s_site_code_names_4	CHAR(64) NULL,	name of Allowed Site Codes Allowed Site Codes
s_site_codes_5	INTEGER NOT NULL,	
s_site_code_names_5	CHAR(64) NULL,	name of Allowed Site Codes
s_site_codes_6	INTEGER NOT NULL,	Allowed Site Codes
s_site_code_names_6	CHAR(64) NULL,	name of Allowed Site Codes Allowed Site Codes
s_site_codes_7	INTEGER NOT NULL,	
s_site_code_names_7	CHAR(64) NULL,	name of Allowed Site Codes
s_max_security_level	SMALLINT NOT NULL,	Max security issue level
s_term_with_tz	SMALLINT NOT NULL,	If 1, terminals in access groups can have timezone associated
s_special_access_a_desc	CHAR(32) NOT NULL,	Special Access A
s_special_access_b_desc	CHAR(32) NOT NULL,	Special Access B
s_special_access_c_desc s mis export image folder	CHAR(32) NOT NULL,	Special Access C
s_badge_block_xaction	VARCHAR(500) NULL, SMALLINT NOT NULL,	If 1, badge block transaction check will be displayed
s mfg id	INTEGER REFERENCES msg	
s_mrg_id	NOT FOR REPLICATION,	message filter group ID
s alarmstate local	SMALLINT NOT NULL,	alarm state change for local alarm 0=don't accept, 1=accept
s alarmstate remote	SMALLINT NOT NULL,	alarm state change for remote alarm 0=don't accept, 1=accept
s enable remote message	SMALLINT NOT NULL,	1 = enable remote messages
s max inactive days	INTEGER NOT NULL,	max days a badge may be inactive
s return addr	CHAR(64),	return address for emails
s_smtp_server	CHAR(64),	smtp server for emails
s ras name	CHAR(32),	name of ras connection for emails
s_ras_username	CHAR(32),	ras connection username
s ras password	CHAR(32),	ras connection password
s auth smtp	SMALLINT NOT NULL,	1 = use authenticated SMTP
s_fda_records_enabled	SMALLINT NOT NULL,	fda record retention / safety policy enabled
s fda retention period	SMALLINT NOT NULL,	record retention period in years
s_fda_warning_period	SMALLINT NOT NULL,	retention violation period in days
s fda last backup	DATETIME NOT NULL,	date when last backup has been taken
s fda pwd enabled	SMALLINT NOT NULL,	FDA Rules are applied for password management
s max invalid attempt	SMALLINT NOT NULL,	maximum number of consecutive invalid attempts for a user account
5_max_mvana_accompt	SMILELINI NOT NEEL,	0 = disabled
s pwd duration	INTEGER NOT NULL,	0 = password expires after x seconds (0 = not activated)
s pwd min length	SMALLINT NOT NULL,	minimum length for password
s pwd min alpha	SMALLINT NOT NULL,	minimum number of alpha char ('A' 'Z', 'a' 'z')
	SMALLINT NOT NULL,	minimum number of numeric char ('0' '9')
s pwa min niimeric		
s_pwd_min_numeric s_pwd_min_other		minimum number of non-alpha and non-numeric characters
s_pwd_min_other	SMALLINT NOT NULL,	minimum number of non-alpha and non-numeric characters time to keep redundancy history (in mins)
s_pwd_min_other s_redn_time	SMALLINT NOT NULL, INTEGER NOT NULL,	time to keep redundancy history (in mins)
s_pwd_min_other s_redn_time s_exttrig_database	SMALLINT NOT NULL, INTEGER NOT NULL, SMALLINT NOT NULL,	time to keep redundancy history (in mins) 1 = check database for external event triggers
s_pwd_min_other s_redn_time s_exttrig_database s_exttrig_ip	SMALLINT NOT NULL, INTEGER NOT NULL, SMALLINT NOT NULL, SMALLINT NOT NULL,	time to keep redundancy history (in mins) 1 = check database for external event triggers 1 = check ip port for external event triggers
s_pwd_min_other s_redn_time s_exttrig_database s_exttrig_ip s_exttrig_rs232	SMALLINT NOT NULL, INTEGER NOT NULL, SMALLINT NOT NULL, SMALLINT NOT NULL, SMALLINT NOT NULL,	time to keep redundancy history (in mins) 1 = check database for external event triggers 1 = check ip port for external event triggers 1 = check rs232 for external event triggers
s_pwd_min_other s_redn_time s_exttrig_database s_exttrig_ip	SMALLINT NOT NULL, INTEGER NOT NULL, SMALLINT NOT NULL, SMALLINT NOT NULL,	time to keep redundancy history (in mins) 1 = check database for external event triggers 1 = check ip port for external event triggers

```
s exttrig rs232 baudrate
                                      INTEGER NOT NULL,
                                                                    -- RS232 Baudrate
 s_exttrig_rs232_parity
                                      SMALLINT NOT NULL,
                                                                    -- RS232 Parity (0: Even, 1: Odd, 2: None, 3: Mark, 4: Space)
 s_exttrig_rs232_stopbits
                                      SMALLINT NOT NULL,
                                                                    -- RS232 Stopbits (0: 1, 1: 1.5, 2: 2)
 s exttrig extfile filename
                                                                    -- External File check Filename
                                      CHAR(255),
 s_exttrig_extfile_scaninterval
                                      INTEGER NOT NULL,
                                                                    -- External File scanning interval in seconds
 s_exttrig_extdb_scaninterval
                                      INTEGER NOT NULL,
                                                                    -- External DB scanning interval in seconds
 s global soft inxit
                                      SMALLINT NOT NULL,
                                                                    -- 1 = perform global Soft In-X-It tracking
                                                                    -- Site Name
                                      CHAR(32)PRIMARY KEY,
 site
 s_guid
                                      uniqueidentifier ROWGUIDCOL
                                         UNIQUE NOT NULL,
                                                                     -- Global unique record identifier
 s_checksum
                                      INTEGER NOT NULL,
                                                                    -- Record checksum
 s_rms_no_msg_receive
                                      INTEGER NOT NULL,
                                                                    -- Alarm Period 'Communication error receiving' (0= no monitoring)
 s\_rms\_no\_msg\_transmit
                                      INTEGER NOT NULL,
                                                                    -- Alarm Period 'Communication error transmitting' (0 = no monitoring)
 s_print av
                                      SMALLINT.
                                                                    -1 = print audit msgs
 s badge style
                                      SMALLINT NOT NULL,
                                                                    -- 0 = Normal
 s_fascn_agency_default
                                      SMALLINT NOT NULL,
                                                                    -- default value for Agency field for FASCN badges
 s_fascn_system_default
                                      SMALLINT NOT NULL,
                                                                    -- default value for System field for FASCN badges
 s\_fascn\_series\_default
                                      SMALLINT NOT NULL,
                                                                    -- default value for Series field for FASCN badges
 s request queue time
                                      INTEGER NOT NULL,
                                                                    -- time to keep request queue history (in mins)
 s dnld badge undefined
                                      SMALLINT NOT NULL,
                                                                    -- 1 = always download badges with entry/exit status of UNDEFINED
 s_shared_dnld_accgrp
                                      SMALLINT NOT NULL,
                                                                    -- 1 = download acc grp when downloading badges in shared mode
 s_global_inxit_sync
                                      SMALLINT NOT NULL,
                                                                    -- 1 = sync badge inxit to all panels
                                      SMALLINT NOT NULL.
                                                                    -- number of approvers for a request (0-3)
 s_request_approver_levels
 s request approver emails
                                      SMALLINT NOT NULL,
                                                                    -- 1 = send email to request approvers
 s approver superuser override
                                      SMALLINT NOT NULL,
                                                                    -- 1 = Super User rules override partition rules
                                      SMALLINT NOT NULL,
 s request expiration days
                                                                    -- number of days that a request is valid
 s_hello_domain
                                      CHAR(64).
                                                                    -- domain name used in SMTP hello command
 s print intrusion
                                      SMALLINT,
                                                                    -- 1 = print intrusion msgs
 s xmlrpc password mode
                                      INT NOT NULL,
                                                                    -- password decryption mode for XmlRpc methods
 s_xmlrpc_rsa_key
                                      CHAR(32),
                                                                    -- RSA decryption key for XmlRpc
                                      SMALLINT NOT NULL,
 s_xmlrpc_any_ip
                                                                    -- 1 allow any IP address
 s\_traced\_alarm\_granted\_access
                                      SMALLINT NOT NULL,
                                                                    -- 1 allow alarm generated for granted access
 s_traced_alarm_denied_access
                                      SMALLINT NOT NULL,
                                                                    -- 1 allow alarm generated for denied access
                                      VARCHAR(500) NULL,
                                                                    -- Active Directory path
 s ads path
 s_delayed_downloads
                                      SMALLINT NOT NULL,
                                                                    -- 1 enable delayed downloads
 s_ads_name_formatting
                                      VARCHAR(256) NULL,
                                                                    -- Active Directory username formatting
                                      INT NOT NULL,
 s ads options
                                                                    -- Active Directory option flags
                                      SMALLINT NOT NULL,
 s webaccess ads enable
                                                                     -- 1 enable Active Directory login for WebAccess
 s_webaccess_ads_partition
                                      INTEGER REFERENCES partition(part_number)
                                         NOT FOR REPLICATION,
                                                                    -- partition to use for Active Directory login for WebAccess
 s_webaccess_ads_uistyle
                                       VARCHAR(64) NULL,
                                                                    -- UI Style to use for Active Directory login for WebAccess
 s_webaccess_ads_privgrp
                                      INTEGER REFERENCES privgrp(pg id)
                                         NOT FOR REPLICATION,
                                                                    -- privgrp to use for Active Directory login for WebAccess
 s_print_firealarm
                                       SMALLINT,
                                                                    -1 = print
                                      SMALLINT NOT NULL,
 s_crosssite_accgrp_edit
                                                                    -- 1 = allow across site access group editing
                                      SMALLINT NOT NULL,
                                                                    -- 4 to 9 digits
 s_max_pin_code_digits
 s max visitor hrs
                                      SMALLINT NOT NULL.
                                                                    -- max valid hours for visitors
 s term unknown when panel down
                                      SMALLINT NOT NULL,
                                                                    -1 = set terminals unknown when panel down
 s\_bacnet\_enabled
                                      SMALLINT NOT NULL,
                                                                    -- 1 = BACnet interface enabled
CREATE TABLE sitepartmap
 pm am guid
                          uniqueidentifier REFERENCES p2kadxmap(am Guid)
                             NOT FOR REPLICATION NOT NULL,
                                                                                         -- Site director's ip address
                          INTEGER REFERENCES partition(part_number)
 pm_Partition
                             NOT FOR REPLICATION NOT NULL,
                                                                                         -- ID of partition
                          CHAR (32) NOT NULL,
                                                                                         -- Site Name
 site
 pm guid
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                         -- Global unique record identifier
 pm_checksum
                          INT NULL,
                                                                                         -- Record checksum
 PRIMARY KEY
                          ( pm_am_guid, pm_Partition, site )
);
```

### CREATE TABLE sitepartmap\_save

uniqueidentifier NOT NULL, pm am guid pm Partition INTEGER NOT NULL, CHAR (32) NOT NULL, site uniqueidentifier NOT NULL, pm\_guid INT NOT NULL, pm checksum uniqueidentifier NOT NULL, upd\_guid upd mode SMALLINT NOT NULL, upd\_timestamp DATETIME NOT NULL, upd\_checksum INTEGER NOT NULL,

uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier upd rowguid

PRIMARY KEY ( pm\_am\_guid, pm\_Partition, site, upd\_mode desc, upd\_guid ) -- Site director's ip address

-- ID of partition -- Site Name

-- Global unique record identifier

-- Record checksum

-- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Date / Time of the update

-- Checksum

## **CREATE TABLE** site\_save

s\_deny\_priority

s\_trace\_priority s\_ta\_priority

s\_floor\_no

s\_visitor\_hrs SMALLINT, s audit time INTEGER, s alarm time INTEGER, -- time to keep alarm history (in mins) INTEGER. s xaction time CHAR(255) NOT NULL, s comms server SMALLINT, s\_printing CHAR(255) NULL, s\_printer\_name SMALLINT, -- 1 = print audit msgs s\_print\_audit s\_print host SMALLINT. -1 = print host msgss print panel SMALLINT, s\_print\_alarm SMALLINT, s\_print\_deny SMALLINT. s\_print\_grant SMALLINT s print trace SMALLINT, s backup device CHAR(64) NULL, s rras server CHAR(255) NULL, -- name of rras server computer s\_query\_string CHAR(64) NULL, s\_host\_event\_priority SMALLINT NULL. s\_host\_log\_priority SMALLINT NULL, s host logic priority SMALLINT NULL, s audit priority SMALLINT NULL, s\_hardware\_priority SMALLINT NULL, s panel event priority SMALLINT NULL, s output priority SMALLINT NULL, s\_grant\_priority SMALLINT NULL,

SMALLINT NULL,

SMALLINT NULL,

SMALLINT NULL,

SMALLINT NULL,

s\_bacnet\_ip CHAR(16) NULL, s\_bacnet\_port INTEGER NULL, s bacnet network INTEGER NULL, s internal network INTEGER NULL, s\_badge\_limit SMALLINT, s note time INTEGER,

SMALLINT NULL, s door no s queue for disabled SMALLINT NOT NULL,

SMALLINT, s\_print\_elevator s print cabinet SMALLINT. s print guardtour SMALLINT,

s set pw char SMALLINT, INTEGER NOT NULL, s\_muster\_time SMALLINT, s\_print\_area

-- default valid hours for visitors -- time to keep audit history (in mins)

-- time to keep xaction history (in mins) -- name of comms server computer -- 1 = real time printing enabled -- name of real time printer

-- 1 = print panel msgs -- 1 = print alarm msgs -- 1 = print deny msgs -- 1 = print grant msgs -- 1 = print trace msgs

-- name of backup device as configured in SQL Server

-- query string entered by user -- Priority to use when sending BACnet Host Event alarms and messages -- Priority to use when sending BACnet Host Log alarms and messages

-- Priority to use when sending BACnet Host Logic alarms and messages -- Priority to use when sending BACnet Audit alarms and messages -- Priority to use when sending BACnet Hardware alarms and messages -- Priority to use when sending BACnet Panel Event alarms and messages -- Priority to use when sending BACnet Output alarms and messages -- Priority to use when sending BACnet Grant alarms and messages -- Priority to use when sending BACnet Deny alarms and messages -- Priority to use when sending BACnet Trace alarms and messages -- Priority to use when sending BACnet Time and Attendance alarms and messages

-- IP address used for BACnet communications -- IP port for BACnet communications

-- BACnet network number -- BACnet internal network number

-- If 1, badge numbers are limited to 1 - 65535, the range for D620

-- time to keep tour notes (in mins) -- floor number for elevator (1 - 128) -- door number for cabinet(1 -128)

-- Download data will be queued for disabled panels if 1. No queueing takes place if 0. This flag does not control queueing of door, output or relay commands, which are never sent to a disabled panel

-- 1 = print audit msgs -- 1 = print audit msgs -- 1 = print audit msgs -- 1 = set pw char displayed

-- Time to keep saved muster data in minutes

-- 1 = print area msgs

s print muster SMALLINT, -- 1 = print mustering msgs s\_redundancy\_serial\_port SMALLINT NOT NULL, -- Serial port # to use for redundancy switchover of serial loops: 0 = none s\_legacy\_accgrp\_dnld\_disable SMALLINT, -- 1 = do not auto download acc grps to Legacy panels -- minutes to delay download s dnld delay SMALLINT. INTEGER NOT NULL, s max badge number -- Max Badge Number allowed s\_max\_badge\_issue\_level SMALLINT NOT NULL, -- Max Badge issue level s\_max\_accgrps\_per\_badge SMALLINT NOT NULL, -- Max access groups per badge s\_timepairs\_per\_day SMALLINT NOT NULL, -- Timezone time pairs per day s\_timepairs\_per\_tz SMALLINT NOT NULL. -- Timezone time pairs per timezone -- Bitmask of allowed panel types s panel types INTEGER NOT NULL, s\_site\_codes\_0 INTEGER NOT NULL, -- Allowed Site Codes -- name of Allowed Site Codes s\_site\_code\_names\_0 CHAR(64) NULL, INTEGER NOT NULL, -- Allowed Site Codes s\_site\_codes\_1 s site code names 1 CHAR(64) NULL. -- name of Allowed Site Codes s site codes 2 INTEGER NOT NULL, -- Allowed Site Codes s site code names 2 CHAR(64) NULL, -- name of Allowed Site Codes s\_site\_codes\_3 INTEGER NOT NULL, -- Allowed Site Codes s\_site\_code\_names\_3 -- name of Allowed Site Codes CHAR(64) NULL, s site codes 4 INTEGER NOT NULL, -- Allowed Site Codes s site code names 4 CHAR(64) NULL, -- name of Allowed Site Codes s\_site\_codes\_5 INTEGER NOT NULL, -- Allowed Site Codes -- name of Allowed Site Codes s\_site\_code\_names\_5 CHAR(64) NULL, s\_site\_codes\_6 INTEGER NOT NULL, -- Allowed Site Codes s site code names 6 CHAR(64) NULL, -- name of Allowed Site Codes s site codes 7 INTEGER NOT NULL, -- Allowed Site Codes s site code names 7 CHAR(64) NULL, -- name of Allowed Site Codes s\_max\_security\_level SMALLINT NOT NULL, -- Max security issue level s term with tz SMALLINT NOT NULL, -- If 1, terminals in access groups can have timezone associated CHAR(32) NOT NULL, s special access a desc -- Special Access A s\_special\_access\_b\_desc CHAR(32) NOT NULL, -- Special Access B s special access c desc CHAR(32) NOT NULL, -- Special Access C s\_mis\_export\_image\_folder VARCHAR(500) NULL, SMALLINT NOT NULL, s\_badge\_block\_xaction -- If 1, badge block transaction check will be displayed INTEGER, -- message filter group ID s mfg id s\_alarmstate\_local SMALLINT NOT NULL, -- alarm state change for local alarm 0=don't accept, 1=accept s\_alarmstate\_remote SMALLINT NOT NULL, -- alarm state change for remote alarm 0=don't accept, 1=accept s enable remote\_message SMALLINT NOT NULL, -- 1 = enable remote messages s max\_inactive\_days INTEGER NOT NULL, -- max days a badge may be inactive s\_return\_addr CHAR(64), -- return address for emails s\_smtp\_server CHAR(64), -- smtp server for emails CHAR(32), -- name of ras connection for emails s\_ras\_name s\_ras\_username CHAR(32), -- ras connection username s ras password CHAR(32), -- ras connection password s\_auth\_smtp SMALLINT NOT NULL, -- 1 = use authenticated SMTP s\_fda\_records\_enabled SMALLINT NOT NULL, -- fda record retention / safety policy enabled INTEGER NOT NULL, s fda retention period -- record retention period in years s fda warning period INTEGER NOT NULL. -- retention violation period in days s fda last backup DATETIME NOT NULL, -- date when last backup has been taken s\_fda\_pwd\_enabled SMALLINT NOT NULL, -- FDA Rules are applied for password management -- maximum number of consecutive invalid attempts for a user account s\_max\_invalid\_attempt SMALLINT NOT NULL, 0 = disableds pwd duration INTEGER NOT NULL, --0 = password expires after x seconds (0 = not activated) s pwd min length SMALLINT NOT NULL. -- minimum length for password -- minimum number of alpha char ('A' ... 'Z', 'a' ... 'z') s\_pwd\_min\_alpha SMALLINT NOT NULL, -- minimum number of numeric char ('0' ... '9') s\_pwd\_min\_numeric SMALLINT NOT NULL, s\_pwd\_min\_other SMALLINT NOT NULL, -- minimum number of non-alpha and non-numeric characters s redn time INTEGER, -- time to keep redundancy history (in mins) s exttrig database SMALLINT NOT NULL, -- 1 = check database for external event triggers s\_exttrig\_ip SMALLINT NOT NULL, -- 1 = check ip port for external event triggers -- 1 = check rs232 for external event triggers s\_exttrig\_rs232 SMALLINT NOT NULL, s exttrig file SMALLINT NOT NULL, -- 1 = check file for external event triggers s exttrig rs232 portnum SMALLINT NOT NULL, -- RS232 Com Port Number(1: COM1, 2: COM2....) s\_exttrig\_rs232\_baudrate INTEGER NOT NULL, -- RS232 Baudrate s exttrig rs232 parity SMALLINT NOT NULL, -- RS232 Parity (0: Even, 1: Odd, 2: None, 3: Mark, 4: Space) s\_exttrig\_rs232\_stopbits SMALLINT NOT NULL, -- RS232 Stopbits (0: 1, 1: 1.5, 2: 2)

S. potting_extifle_scanninerval   INTEGER NOT NULL,   S. potting_extifle_scanninerval   INTEGER NOT NULL,   S. global_soft_inxit   SMALLINT NOT NULL,   Interval (S. potting_extifle_scanninerval in seconds   -1 = perform global Soft In-X-It tracking   -1 = perform global Soft In-X-It	a auttria autfila filanoma	CHAD(255)	External File check Filename
Septing exteb   Seaminterval	s_exttrig_extfile_filename	CHAR(255),	
s global soft_inxit site CHAR23) NOT NULL, spuid uniqueidentifier NOT NULL, upd_mode SMALLINT S_mms_no_msg_receive S_mms_no_msg_transmit upd_rowguid  S_mms_no_msg_transmit upd_rowguid  S_mms_no_msg_transmit upd_rowguid  S_mms_no_msg_transmit upd_rowguid  SMALLINT, S_print_av  S_mall_transmit S		· · · · · · · · · · · · · · · · · · ·	e e e e e e e e e e e e e e e e e e e
site CHAR(32) NOT NULL, s_guid uniqueidentifier NOT NULL, upd_guid uniqueidentifier NOT NULL, upd_mode SMALLINT NOT NULL, upd_mode SMALLINT NOT NULL, upd_mode SMALLINT NOT NULL, upd_elecksum INTEGER NOT NULL, upd_elecksum INTEGER NOT NULL, s_ms_no_msg_receive INTEGER NOT NULL, s_ms_no_msg_transmit upd_checksum INTEGER NOT NULL, s_ms_no_msg_transmit upd_rowguid uniqueidentifier ROWGUIDCOUD  S_print_av SMALLINT, s_badge_style SMALLINT, s_badge_style SMALLINT, s_fasen_system_default SMALLINT, s_fasen_system_default SMALLINT, s_fasen_system_default SMALLINT, s_fasen_system_default SMALLINT, s_tenguet_queue_time instead_dnld_accept s_dnld_badge_undefined SMALLINT, s_fasen_dnld_accept s_mall_accept SMALLINT, s_fasen_dnld_accept S	_ &	· · · · · · · · · · · · · · · · · · ·	
s_guid uniqueidentifier NOT NULL, upd_mode with the properties of		, , , , , , , , , , , , , , , , , , ,	
s, checksum upd_guid uniqueidentifier NOT NULL, upd_mode upd_timestamp upd_timestamp DATETIME NOT NULL, s_ms_no_msg_receive s_ms_no_msg_transmit upd_checksum INTEGER NOT NULL, s_ms_no_msg_transmit upd_trowguid  INTEGER NOT NULL, s_ms_no_msg_transmit upd_rowguid  INTEGER NOT NULL, s_fascn_agency_default s_mall_INT, s_badge_style s_ms_no_msg_transmit upd_rowguid  SMALLINT, s_fascn_system_default S_fascn_system_default S_fascn_system_default SMALLINT, s_fascn_system_default S_fa		` '	
upd_mode		*	÷
upd_imode upd_timestamp	_	· · · · · · · · · · · · · · · · · · ·	
upd_checksum   NTEGER NOT NULL,   Checksum   NTEGER NOT NULL,   Lawred the province of the undare recreated the province of the provi	1 =0	1	1 1
upd_checksum s_ms_no_msg_receive s_ms_no_msg_transmit upd_rowguid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, s_brint_av s_badge_style s_ms_no_msg_transmit s_fascn_agency_default s_fascn_agency_default s_fascn_system_default s_f	. =		
s_ms_no_msg_receive s_ms_no_msg_transmit upd_rowquid uniqueidentifier ROWGUIDCOL.  S_print_av		· · · · · · · · · · · · · · · · · · ·	*
s ms no msg_transmit upd_rowguid uniqueidentifier ROWGUIDCN Lore in the provided communication error transmitting (0 = no monitoring) upd_rowguid unique interfier ROWGUIDCN Lore in the provided interfier ROWGUIDCN Lore in the provided interfier ROWGUIDCN Lore in the print and the provided interfier ROWGUIDCN Lore in the print and the pr	· =	· ·	
uniqueidentifier ROWGUIDCOL DEFAULT newid()  S print_av SMALLINT, - Global unique record identifier  S part SMALLINT, - I = print audit msgs  s fascn_agency_default SMALLINT, - default value for Agency field for FASCN badges  s fascn_system_default SMALLINT, - default value for System field for FASCN badges  s fascn_series_default SMALLINT, - default value for System field for FASCN badges  s fascn_series_default SMALLINT, - default value for System field for FASCN badges  s request_queue_time INTEGER, - time to keep request queue history (in mins)  s fall_badge_undefined SMALLINT, - I = always download badges with entry/exit status of UNDEFINED  s_shared_dnld_accgrp SMALLINT, - I = always download badges with entry/exit status of UNDEFINED  s_stated_dnld_accgrp SMALLINT, - I = swper badge inxit to all panels  s_request_approver_levels SMALLINT, - number of approvers for a request (0-3)  s_request_approver_evels SMALLINT, - number of days that a request (0-3)  s_request_expiration_days SMALLINT, - 1 = super_user_override  s_request_expiration_days SMALLINT, - number of days that a request is valid  s_request_expiration_days SMALLINT, - number of days that a request is valid  s_request_expiration_days SMALLINT, - number of days that a request is valid  s_request_expiration_days SMALLINT, - number of days that a request is valid  s_request_expiration_days SMALLINT, - number of days that a request is valid  s_request_expiration_days SMALLINT, - number of days that a request is valid  s_request_expiration_days SMALLINT, - number of days that a request is valid  s_request_expiration_days SMALLINT, - number of days that a request is valid  s_real alarm_gramer used in SMTP hello command  - 1 = print_intrusion msgs  s_rarecd_alarm_gramet_access  s_rarecd_alarm_gramet_access  s_rarecd_alarm_gramet_access  SMALLINT_NOT_NULL,  s_delayed_downloads  s_mall_int_num_gramed_access  s_rarecd_alarm_gramet_access  SMALLINT_NOT_NULL,  s_delayed_downloads  s_delayed_downloads  s_delayed_downloads  s_delayed_downloads  s_delayed_dow			
Sprint av SMALLINT, Global unique record identifier spage sprint av SMALLINT, 1 = print audit msgs spage style sMALLINT, default value for Agency field for FASCN badges sfascn_agency_default SMALLINT, default value for System field for FASCN badges spage sprint spage undefined SMALLINT, default value for System field for FASCN badges spage under fined SMALLINT, default value for System field for FASCN badges spage spage spage undefined SMALLINT, default value for System field for FASCN badges spage spage spage undefined SMALLINT, default value for System field for FASCN badges spage spag		· ·	E \
s print av s badge_style s MALLINT, s badge_style s MALLINT, s fascn_agency_default s MALLINT, s fascn_system_default value for System_default val	upd_rowguid	•	~
s_badge_style   SMALLINT,   - 0 = Normal   s_fasen_agency_default   SMALLINT,   - default value for Agency field for FASCN badges   s_fasen_system_default   SMALLINT,   - default value for System field for FASCN badges   s_fasen_series_default   SMALLINT,   - default value for System field for FASCN badges   s_fasen_series_default   SMALLINT,   - default value for System field for FASCN badges   s_facen_series_default   SMALLINT,   - default value for System field for FASCN badges   s_facen_series_default   SMALLINT,   - default value for System field for FASCN badges   s_facen_series_default   SMALLINT,   - default value for System field for FASCN badges   s_facen_series_default   SMALLINT,   - default value for System field for FASCN badges   s_facen_series_default   SMALLINT,   - default value for System field for FASCN badges   s_facen_series_default   SMALLINT,   - default value for System field for FASCN badges   s_facen_series_default   SMALLINT,   - default value for System field for FASCN badges   s_facen_series_default   SMALLINT,   - default value for System field for FASCN badges   s_facen_series_default   SMALLINT,   - default value for System field for FASCN badges   s_facen_series_default   SMALLINT,   - default value for System field for FASCN badges   - time to keep request queue the total value for System field for FASCN badges   - time to keep request queue the total value for System field for FASCN badges   - time to keep request queue the total value for System field for FASCN badges   - it must be default value for System field for FASCN badges   - it must be default value for System field for FASCN badges   - it must be default value for System field for FASCN badges   - it must be default value for System field for FASCN badges   - it must be default value for System field for FASCN badges   - it must be default value for System field for FASCN badges   - it must be default value for System field for FASCN badges   - it must be default value for System field for FASCN badges   - it must			*
s_fasen_gency_default	<del></del>	<i>'</i>	•
s_fasen_system_default s_fasen_series_default for FASCN badges s_fasen_series_default s_fasen_series_default s_fasen_series_default s_fasen_series_default alue for Series field for FASCN badges s_fasen_series_default s_fasen_devaluation_devaluation_s_fasen_series_default s_fasen_series_default s_fasen_series_default s_fasen_series_default s_fasen_devaluation_devaluation_s_fasen_series_deveload_series_devolution_s_fasen_series_default s_fasen_series_default s_fasen_devaluation_devaluation_s_fasen_series_default_value for Series field for FASCN badges s_fasen_series_default series_default value for Series field for FASCN badges s_fasen_series_default value for Series field for FASCN badges s_fasen_series_default value for Series field for FASCN badges s_faten_to keep request fistory im mins s_facel_devaluation_series_deveload_			
s_fascn_series_default s_request_queue_time s_dnld_badge_undefined s_hard_dnld_accgrp s_hared_dnld_accgrp		SMALLINT,	
s_request_queue time s_dnld_badge_undefined s_dnld_badge_undefined s_dnld_badge_undefined s_shared_dnld_accepp s_MALLINT,		, , , , , , , , , , , , , , , , , , ,	·
s_dnld_badge_undefined s_MALLINT, s_shared_dnld_accgrp s_MALLINT, s_leduest_approver_levels s_MALLINT, s_request_approver_evels s_MALLINT, s_request_approver_evels s_MALLINT, s_request_approver_evels s_MALLINT, s_request_approver_evels s_MALLINT, s_request_approver_evels s_MALLINT, s_request_expiration_days s_request_expiration_days s_request_expiration_days s_mat_lintrusion s_print_intrusion s_print_intrusion s_print_intrusion s_mat_print_evels s_max_print_evels s_max_print_evels s_max_print_evels s_max_print_evels s_max_print_evels s_max_print_evels s_max_visitor_hrs s_max_visitor_hrs s_max_print_evels s_MALLINT_NOT_NULL, s_max_print_evels s_max_prin		SMALLINT,	· · · · · · · · · · · · · · · · · · ·
s_shared_dnld_accgrp SMALLINT, s_request_approver_levels SMALLINT, s_request_approver_levels SMALLINT, s_request_approver_levels SMALLINT, s_request_approver_emails SMALLINT, s_request_approver_emails SMALLINT, s_request_approver_superuser_override SMALLINT, s_request_expiration_days SMALLINT, s_hello_domain CHAR(64), s_print_intrusion SMALLINT, s_max_print_intrusion SMALLINT, s_max_print_ode_digits SMALLINT, s_traced_alarm_granted_access SMALLINT NOT NULL, s_delayed_downloads SMALLINT, s_delayed_downloads SMALLINT, s_delayed_formatting SMALLINT, s_delayed_formatting SMALLINT, s_mebaccess_ads_usityle SMALLINT NOT NULL, S_webaccess_ads_privgrp SMALLINT, S_max_pin_code_digits SMALLINT NULL, S_max_pin_code_digits SMALLINT NULL, S_max_pin_code_digits SMALLINT NULL, S_max_pin_code_digits SMALLINT NULL, SMALLINT NULL, SMALLINT NULL, SMALLINT NULL, S_max_pin_code_digits SMALLINT NULL, SMALLINT NULL, SMALLINT NULL, SMALLINT NULL, SMALLINT NULL, S_max_pin_code_digits SMALLINT NULL, SMALLINT NULL, SMALLINT NULL, SMALLINT NULL, SMALLINT NULL, SMALLINT NULL, S_max_pin_code_digits SMALLINT NULL, S		INTEGER,	
s_global_inxit_syne	s_dnld_badge_undefined	SMALLINT,	1 = always download badges with entry/exit status of UNDEFINED
s_request_approver_levels   s_request_approver_emails   SMALLINT,	s_shared_dnld_accgrp	SMALLINT,	1 = download acc grp when downloading badges in shared mode
s_request_approver_emails	s_global_inxit_sync	SMALLINT,	1 = sync badge inxit to all panels
s_approver_superuser_override s_request_expiration_days s_hello_domain s_print_intrusion s_malt_intrusion s_milrpc_password_mode s_xmlrpc_password_mode s_xmlrpc_rsa_key s_xmlrpc_rsa_key s_traced_alarm_granted_access s_traced_alarm_denied_access s_das_path s_delayed_downloads s_ads_name_formatting s_ads_options s_webaccess_ads_partition s_malt_intry s_mebaccess_ads_partition s_mebaccess_ads_partition s_mebaccess_ads_partition s_mebaccess_ads_privgrp s_malt_intry s_crosssit_accegrp_edit s_max_pin_code_digits s_max_visitor_lrs s_bacle Addition s_max_pin_code_digits s_m	s_request_approver_levels	SMALLINT,	number of approvers for a request (0-3)
s_request_expiration_days s_hello_domain c_HAR(64),	s_request_approver_emails	SMALLINT,	1 = send email to request approvers
s_hello_domain	s_approver_superuser_override	SMALLINT,	1 = Super User rules override partition rules
s_print_intrusion	s_request_expiration_days	SMALLINT,	number of days that a request is valid
s_xmlrpc_password_mode s_xmlrpc_rsa_key S_xmlrpc_any_ip SMALLINT, S_traced_alarm_granted_access SMALLINT NOT NULL, S_ads_path S_delayed_downloads S_ads_path S_ads_options SMALLINT, S_ads_options SMALLINT, S_ads_options SMALLINT, S_ads_options S_ads_path SMALLINT, S_ads_options S_ads_path SMALLINT, S_ads_options S_ads_path SMALLINT NOT NULL, S_awebaccess_ads_enable SMALLINT NOT NULL, S_awebaccess_ads_partition S_ads_options S_ads_opt	s_hello_domain	CHAR(64),	domain name used in SMTP hello command
s_xmlrpc_rsa_key	s_print_intrusion	SMALLINT,	1 = print intrusion msgs
s_xmlrpc_any_ip SMALLINT,	s_xmlrpc_password_mode	INT,	password decryption mode for XmlRpc methods
s_traced_alarm_granted_access s_traced_alarm_denied_access s_traced_alarm_generated for denied access s_traced_alarm_generated_for denied_access s_traced_alarm_generated_for denied_access s_traced_alarm_generated_for denied_access s_traced_alarm_generated_for denied_access s_traced_alarm_generated_for denied_access s_traced_alarm_generated_for denied_access s_traced_alarm_generated_for_denied_access s_traced_alarm_generated_for_enied_access s_traced_alarm_generated_for_enied_access s_traced_alarm_generated_for_enied_access s_traced_alarm_generated_for_enied_access s_traced_alarm_generated_for_enied_access s_traced_larm_generated_for_enied_access s_traced_larm_generated_for_enied_access s_traced_larm_generated_for_enied_access s_traced_larm_generated_for_enied_access s_traced_larm_gener_acd_enied_access s_traced_larm_gener_acd_enied_access s_traced_larm_gener_acd_enied_access s_all_larm_not_larm_s_traced_for_enied_access s_all_larm_not_larm_s_traced_for_enied_access s_all_larm_not_larm_s_traced_for_enied_access_s_larm_part_larm_s_traced_for_enied_access_s_larm_part_larm_s_t	s_xmlrpc_rsa_key	CHAR(32),	RSA decryption key for XmlRpc
s_traced_alarm_denied_access s_das_path VARCHAR(500) NULL, s_delayed_downloads SMALLINT, s_delayed_downloads SMALLINT, s_ads_name_formatting VARCHAR(256) NULL, s_ads_options INT NOT NULL, s_webaccess_ads_enable SMALLINT NOT NULL, s_webaccess_ads_partition Swebaccess_ads_partition INTEGER, s_webaccess_ads_privgrp INTEGER, s_mebaccess_ads_privgrp INTEGER, s_mebaccess_ads_privgrp INTEGER, s_print_firealarm SMALLINT, s_crosssite_accgrp_edit SMALLINT NULL, s_max_pin_code_digits SMALLINT NULL, SMALLINT	s_xmlrpc_any_ip	SMALLINT,	1 allow any IP address
s_ads_path	s_traced_alarm_granted_access	SMALLINT NOT NULL,	1 allow alarm generated for granted access
s_delayed_downloads s_ads_name_formatting vARCHAR(256) NULL, s_ads_options INT NOT NULL, s_webaccess_ads_enable s_webaccess_ads_partition s_webaccess_ads_partition INTEGER, s_webaccess_ads_privgrp INTEGER, s_webaccess_ads_privgrp INTEGER, s_mebaccess_ads_privgrp INTEGER, s_mebaccess_ads_privgrp INTEGER, s_mebaccess_ads_privgrp INTEGER, s_print_firealarm s_max_pin_code_digits s_max_visitor_hrs s_term_unknown_when_panel_down s_bacnet_enabled PRIMARY KEY	s_traced_alarm_denied_access	SMALLINT NOT NULL,	1 allow alarm generated for denied access
s_ads_name_formatting s_ads_options INT NOT NULL, s_webaccess_ads_enable s_webaccess_ads_partition s_webaccess_ads_partition s_webaccess_ads_uistyle s_webaccess_ads_privgrp INTEGER, s_webaccess_ads_privgrp INTEGER, s_webaccess_ads_privgrp INTEGER, s_mebaccess_ads_privgrp INTEGER, s_mebaccess_ads_privgrp INTEGER, s_print_firealarm s_max_pin_code_digits s_max_visitor_hrs s_term_unknown_when_panel_down s_bacnet_enabled PRIMARY KEY  VARCHAR(256) NULL,	s_ads_path	VARCHAR(500) NULL,	Active Directory path
s_ads_options INT NOT NULL, Active Directory option flags s_webaccess_ads_enable SMALLINT NOT NULL, s_webaccess_ads_partition INTEGER, partition to use for Active Directory login for WebAccess s_webaccess_ads_uistyle VARCHAR(64) NULL, UI Style to use for Active Directory login for WebAccess s_webaccess_ads_privgrp INTEGER, privgrp to use for Active Directory login for WebAccess s_print_firealarm SMALLINT, 1 = print s_crosssite_accgrp_edit SMALLINT NULL, 1 = allow across site access group editing s_max_pin_code_digits SMALLINT NULL, 4 to 9 digits s_max_visitor_hrs SMALLINT NULL, max valid hours for visitors s_term_unknown_when_panel_down SMALLINT NULL, 1 = set terminals unknown when panel down s_bacnet_enabled SMALLINT NOT NULL, 1 = BACnet interface enabled PRIMARY KEY (site, upd_mode desc, upd_guid)	s_delayed_downloads	SMALLINT,	1 enable delayed downloads
s_webaccess_ads_enable s_webaccess_ads_partition s_webaccess_ads_partition s_webaccess_ads_uistyle s_webaccess_ads_uistyle s_webaccess_ads_privgrp INTEGER, s_webaccess_ads_privgrp INTEGER, s_webaccess_ads_privgrp INTEGER, s_print_firealarm s_max_pin_code_digits s_max_visitor_hrs s_term_unknown_when_panel_down s_bacnet_enabled PRIMARY KEY  SMALLINT NOT NULL, s_max_veriation to use for Active Directory login for WebAccess partition to use for Active Directory login for WebAccess privgrp to use for Active Directory login for WebAccess privgrp to use for Active Directory login for WebAccess privgrp to use for Active Directory login for WebAccess privgrp to use for Active Directory login for WebAccess 1 = print 1 = print 1 = allow across site access group editing 4 to 9 digits max valid hours for visitors max valid hours for visitors 1 = set terminals unknown when panel down 1 = BACnet interface enabled  PRIMARY KEY  (site, upd_mode desc, upd_guid)	s_ads_name_formatting	VARCHAR(256) NULL,	Active Directory username formatting
s_webaccess_ads_partition s_webaccess_ads_uistyle vARCHAR(64) NULL, s_webaccess_ads_uistyle vARCHAR(64) NULL, s_webaccess_ads_privgrp INTEGER, s_webaccess_ads_privgrp INTEGER, s_metalarm s_max_pin_code_digits s_max_visitor_hrs s_term_unknown_when_panel_down s_bacnet_enabled PRIMARY KEY  INTEGER, s_partition to use for Active Directory login for WebAccess s_partition to use for Active Directory login for WebAccess s_print_fire alarm s_null, s_	s_ads_options	INT NOT NULL,	Active Directory option flags
s_webaccess_ads_uistyle s_webaccess_ads_privgrp INTEGER, s_print_firealarm SMALLINT, s_crosssite_accgrp_edit Smax_pin_code_digits Smax_visitor_hrs S_term_unknown_when_panel_down S_bacnet_enabled PRIMARY KEY  VARCHAR(64) NULL, UI Style to use for Active Directory login for WebAccess privgrp to use for Active Directory login for WebAccess privgrp to use for Active Directory login for WebAccess privgrp to use for Active Directory login for WebAccess 1 = print 1 = allow across site access group editing 4 to 9 digits max valid hours for visitors 1 = set terminals unknown when panel down 1 = BACnet interface enabled 1 = BACnet interface enabled	s_webaccess_ads_enable	SMALLINT NOT NULL,	1 enable Active Directory login for WebAccess
s_webaccess_ads_privgrp INTEGER, privgrp to use for Active Directory login for WebAccess s_print_firealarm SMALLINT, 1 = print s_crosssite_accgrp_edit SMALLINT NULL, 1 = allow across site access group editing s_max_pin_code_digits SMALLINT NULL, 4 to 9 digits s_max_visitor_hrs SMALLINT NULL, max valid hours for visitors s_term_unknown_when_panel_down SMALLINT NULL, 1 = set terminals unknown when panel down s_bacnet_enabled SMALLINT NOT NULL, PRIMARY KEY (site, upd_mode desc, upd_guid)	s_webaccess_ads_partition	INTEGER,	partition to use for Active Directory login for WebAccess
s_print_firealarm SMALLINT, 1 = print s_crosssite_accgrp_edit SMALLINT NULL, 1 = allow across site access group editing s_max_pin_code_digits SMALLINT NULL, 4 to 9 digits s_max_visitor_hrs SMALLINT NULL, max valid hours for visitors s_term_unknown_when_panel_down SMALLINT NULL, 1 = set terminals unknown when panel down s_bacnet_enabled SMALLINT NOT NULL, PRIMARY KEY (site, upd_mode desc, upd_guid)	s_webaccess_ads_uistyle	VARCHAR(64) NULL,	UI Style to use for Active Directory login for WebAccess
s_crosssite_accgrp_edit SMALLINT NULL, 1 = allow across site access group editing s_max_pin_code_digits SMALLINT NULL, 4 to 9 digits s_max_visitor_hrs SMALLINT NULL, max valid hours for visitors s_term_unknown_when_panel_down SMALLINT NULL, 1 = set terminals unknown when panel down s_bacnet_enabled SMALLINT NOT NULL, PRIMARY KEY (site, upd_mode desc, upd_guid)	s_webaccess_ads_privgrp	INTEGER,	privgrp to use for Active Directory login for WebAccess
s_max_pin_code_digits SMALLINT NULL, 4 to 9 digits s_max_visitor_hrs SMALLINT NULL, max valid hours for visitors s_term_unknown_when_panel_down SMALLINT NULL, 1 = set terminals unknown when panel down s_bacnet_enabled SMALLINT NOT NULL, 1 = BACnet interface enabled PRIMARY KEY (site, upd_mode desc, upd_guid)	s_print_firealarm	SMALLINT,	1 = print
s_max_pin_code_digits SMALLINT NULL, 4 to 9 digits s_max_visitor_hrs SMALLINT NULL, max valid hours for visitors s_term_unknown_when_panel_down SMALLINT NULL, 1 = set terminals unknown when panel down s_bacnet_enabled SMALLINT NOT NULL, 1 = BACnet interface enabled PRIMARY KEY (site, upd_mode desc, upd_guid)	s_crosssite_accgrp_edit	SMALLINT NULL,	1 = allow across site access group editing
s_max_visitor_hrs s_term_unknown_when_panel_down s_bacnet_enabled PRIMARY KEY  SMALLINT NULL, SMALLINT NULL, SMALLINT NOT NULL, SMALLINT NULL, SMA		SMALLINT NULL,	4 to 9 digits
s_term_unknown_when_panel_down s_bacnet_enabled PRIMARY KEY  SMALLINT NULL, SMALLINT NOT NULL, SMALLINT NOT NULL, SMALLINT NOT NULL, SMALLINT NOT NULL, 1 = set terminals unknown when panel down 1 = BACnet interface enabled		SMALLINT NULL,	max valid hours for visitors
s_bacnet_enabled SMALLINT NOT NULL, 1 = BACnet interface enabled PRIMARY KEY (site, upd_mode desc, upd_guid)		SMALLINT NULL,	1 = set terminals unknown when panel down
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		SMALLINT NOT NULL,	1 = BACnet interface enabled
· · · · · · · · · · · · · · · · · · ·	PRIMARY KEY	(site, upd_mode desc, upd_guid)	
<i>)</i> ,	);		

### **CREATE TABLE** softalarm

(		
sa_panel_id	INTEGER REFERENCES panel(p_panel_	_id)
	NOT FOR REPLICATION,	panel ID
sa_term_index	SMALLINT,	terminal index on which to report panel soft alarms
sa_pan_batt_low	SMALLINT,	1 = panel battery low alarm enabled
sa_pan_ac_fail	SMALLINT,	1 = panel ac fail alarm enabled
sa_pan_tamper	SMALLINT,	1 = panel tamper alarm enabled
sa_pan_batt_low_pt	SMALLINT,	input point number for panel battery low alarm
sa_pan_ac_fail_pt	SMALLINT,	input point number for panel ac fail alarm
sa pan tamper pt	SMALLINT.	input point number for panel tamper alarm

sa pan batt low rel	SMALLINT,	1 = panel battery low alarm relay enabled (legacy panels only)
sa pan ac fail rel	SMALLINT,	1 = panel ac fail alarm relay enabled (legacy panels only)
sa pan tamper rel	SMALLINT,	1 = panel tamper alarm relay enabled (legacy panels only)
sa_rd_batt_low	SMALLINT,	1 = terminal battery low alarm enabled
sa rd ac fail	SMALLINT,	1 = terminal ac fail alarm enabled
sa rd tamper	SMALLINT,	1 = terminal tamper alarm
sa rd card parity	SMALLINT,	1 = terminal card parity alarm
sa rd pin error	SMALLINT,	1 = terminal pin code error alarm
sa rd forced door	SMALLINT,	1 = terminal forced door alarm
sa_rd_durress	SMALLINT,	1 = terminal duress alarm
sa_rd_soft_inxit	SMALLINT,	1 = terminal soft_inxit alarm
sa_rd_batt_low_pt	SMALLINT,	input point number for terminal battery low alarm
sa_rd_ac_fail_pt	SMALLINT,	input point number for terminal ac fail alarm
sa_rd_tamper_pt	SMALLINT,	input point number for terminal tamper alarm
sa_rd_card_parity_pt	SMALLINT,	input point number for terminal card parity alarm
sa_rd_pin_error_pt	SMALLINT,	input point number for terminal pin code error alarm
sa_rd_forced_door_pt	SMALLINT,	input point number for terminal forced door alarm
sa_rd_duress_pt	SMALLINT,	input point number for terminal duress alarm
sa_rd_soft_inxit_pt	SMALLINT,	input point number for terminal soft_inxit alarm
sa_rd_prop_door_pt	SMALLINT,	input point number for terminal propped door alarm
sa_rd_batt_low_rel	SMALLINT,	1 = terminal battery low alarm relay enabled
sa_rd_ac_fail_rel	SMALLINT,	1 = terminal ac fail alarm relay enabled
sa_rd_tamper_rel	SMALLINT,	1 = terminal tamper relay alarm
sa_rd_card_parity_rel	SMALLINT,	1 = terminal card parity relay alarm
sa_rd_pin_error_rel	SMALLINT,	1 = terminal pin code error relay alarm
sa_rd_forced_door_rel	SMALLINT,	1 = terminal forced door relay alarm
sa_rd_durress_rel	SMALLINT,	1 = terminal duress relay alarm
sa_rd_cbatt_rel	SMALLINT,	1 = terminal card battery relay alarm
site	CHAR(32) NOT NULL,	Site Name
sa_guid	uniqueidentifier ROWGUIDCOL UNIQUE	
	NOT NULL,	Global unique record identifier
sa_checksum	INTEGER NOT NULL,	Record checksum
);		
CREATE UNIQUE INDEX	<pre>sa_panel_id ON softalarm ( sa_panel_id );</pre>	

# CREATE TABLE softalarm\_save

•		
(		
sa_panel_id	INTEGER,	panel ID
sa_term_index	SMALLINT,	terminal index on which to report panel soft alarms
sa_pan_batt_low	SMALLINT,	1 = panel battery low alarm enabled
sa_pan_ac_fail	SMALLINT,	1 = panel ac fail alarm enabled
sa_pan_tamper	SMALLINT,	1 = panel tamper alarm enabled
sa_pan_batt_low_pt	SMALLINT,	input point number for panel battery low alarm
sa_pan_ac_fail_pt	SMALLINT,	input point number for panel ac fail alarm
sa_pan_tamper_pt	SMALLINT,	input point number for panel tamper alarm
sa_pan_batt_low_rel	SMALLINT,	1 = panel battery low alarm relay enabled (legacy panels only)
sa_pan_ac_fail_rel	SMALLINT,	1 = panel ac fail alarm relay enabled (legacy panels only)
sa_pan_tamper_rel	SMALLINT,	1 = panel tamper alarm relay enabled (legacy panels only)
sa_rd_batt_low	SMALLINT,	1 = terminal battery low alarm enabled
sa_rd_ac_fail	SMALLINT,	1 = terminal ac fail alarm enabled
sa_rd_tamper	SMALLINT,	1 = terminal tamper alarm
sa_rd_card_parity	SMALLINT,	1 = terminal card parity alarm
sa_rd_pin_error	SMALLINT,	1 = terminal pin code error alarm
sa_rd_forced_door	SMALLINT,	1 = terminal forced door alarm
sa_rd_durress	SMALLINT,	1 = terminal duress alarm
sa_rd_soft_inxit	SMALLINT,	1 = terminal soft_inxit alarm
sa_rd_batt_low_pt	SMALLINT,	input point number for terminal battery low alarm
sa_rd_ac_fail_pt	SMALLINT,	input point number for terminal ac fail alarm
sa_rd_tamper_pt	SMALLINT,	input point number for terminal tamper alarm
sa_rd_card_parity_pt	SMALLINT,	input point number for terminal card parity alarm
sa_rd_pin_error_pt	SMALLINT,	input point number for terminal pin code error alarm
sa_rd_forced_door_pt	SMALLINT,	input point number for terminal forced door alarm
sa_rd_duress_pt	SMALLINT,	input point number for terminal duress alarm

```
SMALLINT,
 sa rd soft inxit pt
                                                                                 -- input point number for terminal soft inxit alarm
 sa_rd_prop_door_pt
                           SMALLINT,
                                                                                 -- input point number for terminal propped door alarm
 sa_rd_batt_low_rel
                           SMALLINT.
                                                                                 -- 1 = terminal battery low alarm relay enabled
 sa rd ac fail rel
                           SMALLINT,
                                                                                 -- 1 = terminal ac fail alarm relay enabled
 sa rd tamper rel
                           SMALLINT,
                                                                                 -- 1 = terminal tamper relay alarm
 sa_rd_card_parity_rel
                           SMALLINT,
                                                                                 -- 1 = terminal card parity relay alarm
 sa rd pin error rel
                           SMALLINT,
                                                                                 -- 1 = terminal pin code error relay alarm
 sa_rd_forced_door_rel
                           SMALLINT,
                                                                                 -- 1 = terminal forced door relay alarm
 sa rd durress rel
                           SMALLINT.
                                                                                 -- 1 = terminal duress relay alarm
 sa rd cbatt rel
                           SMALLINT,
                                                                                 -- 1 = terminal card battery relay alarm
                           CHAR(32) NOT NULL,
                                                                                 -- Site Name
 site
 sa_guid
                           uniqueidentifier NOT NULL,
                                                                                 -- Global unique record identifier
 sa checksum
                           INTEGER NOT NULL,
                                                                                 -- Record checksum
 upd guid
                           uniqueidentifier NOT NULL.
                                                                                 -- Guid for update operation
 upd mode
                           SMALLINT NOT NULL,
                                                                                 -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                           DATETIME NOT NULL,
                                                                                 -- Date / Time of the update
                           INTEGER NOT NULL,
                                                                                 -- Checksum
 upd_checksum
                           uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                              newid() UNIQUE NOT NULL,
                                                                                 -- Global unique record identifier
 PRIMARY KEY
                           (sa panel id, upd mode desc, upd guid)
);
```

### CREATE TABLE softwareupdate

CHAR(64) NOT NULL, -- name of software update su name su major version INT NOT NULL, -- update major version su\_minor\_version INT NOT NULL, -- update minor version INT NOT NULL, su\_build\_version -- update build version su sp version INT NOT NULL, -- service pack number (0 = release version) su timestamp DATETIME NOT NULL, -- time update installed on server su\_server\_path VARCHAR(512) NOT NULL, -- path on server to update -- shared network path to update su shared path VARCHAR(512) NOT NULL, su\_command CHAR(54) NOT NULL, -- command to execute to launch update -0 = Not available, 1 = available, 2 = required su status INT NOT NULL, CHAR(32) NOT NULL, -- Site Name site -- Global unique record identifier su guid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, su\_checksum -- Record checksum INTEGER NOT NULL, PRIMARY KEY ( site, su\_major\_version, su\_minor\_version, su\_build\_version, su\_sp\_version, su\_timestamp ) CREATE INDEX su\_status ON softwareupdate ( su\_status );

#### CREATE TABLE softwareupdate save

CHAR(64) NOT NULL, -- name of software update su name INT NOT NULL, su major version -- update major version su\_minor\_version INT NOT NULL, -- update minor version INT NOT NULL, su\_build\_version -- update build version -- service pack number (0 = release version) su\_sp\_version INT NOT NULL, su timestamp DATETIME NOT NULL, -- time update installed on server su\_server\_path VARCHAR(512) NOT NULL, -- path on server to update su\_shared\_path VARCHAR(512) NOT NULL, -- shared network path to update  $su\_command$ CHAR(54) NOT NULL, -- command to execute to launch update su\_status INT NOT NULL, -0 = Not available, 1 = available, 2 = required site CHAR(32) NOT NULL, -- Site Name su\_guid uniqueidentifier NOT NULL, -- Global unique record identifier su\_checksum -- Record checksum INTEGER NOT NULL, -- Guid for update operation upd guid uniqueidentifier NOT NULL, upd mode SMALLINT NOT NULL. -- Update mode (0 - delete, 1 - edit, 2 - new) upd timestamp -- Date / Time of the update DATETIME NOT NULL, upd\_checksum INTEGER NOT NULL, -- Checksum uniqueidentifier ROWGUIDCOL DEFAULT newid() upd\_rowguid UNIQUE NOT NULL, -- Global unique record identifier

```
PRIMARY KEY
                          ( site, su major version, su minor version, su build version, su sp version, su timestamp, upd mode desc, upd guid )
CREATE TABLE station
                               INTEGER REFERENCES partition(part number)
 stn partition
                                  NOT FOR REPLICATION,
                                                                                          -- partition ID to which this station belongs
 stn public
                               SMALLINT
                                                                                          -1 = \text{public}, 0 = \text{private}
                                                                                         -- unique ID for this station
                               INTEGER IDENTITY NOT FOR REPLICATION UNIOUE.
 stn id
 stn_name
                               CHAR(32) NOT NULL,
                                                                                          -- station name
                               INTEGER NULL REFERENCES timezone(tz id)
 stn tz
                                  NOT FOR REPLICATION,
                                                                                          -- timezone ID when this station active (always
                                                                                            active if NULL)
                               INTEGER,
                                                                                          -- 1 = station enabled
 stn enable
 stn badge ws
                               INTEGER.
                                                                                          -- 1 = station is a badging station
 stn_server
                               INTEGER NOT NULL,
                                                                                          -- 1 = station is also a server
                               INTEGER REFERENCES msgfiltergroup(mfg_id)
 stn_mfg_id
                                  NOT FOR REPLICATION,
                                                                                          -- message filter group ID
                                                                                          --- Can Alarm Monitor be shutdown
                               SMALLINT NOT NULL,
 stn alarm ws
                               CHAR(32) NOT NULL,
 site
                                                                                          -- Site Name
                               uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 stn guid
                                                                                          -- Global unique record identifier
 stn_checksum
                               INTEGER NOT NULL,
                                                                                          -- Record checksum
 stn_location
                               CHAR(32) NULL,
                                                                                          -- station location
                               INT NOT NULL.
 stn major version
                                                                                          -- current software major version
 stn minor version
                               INT NOT NULL,
                                                                                          -- current software minor version
 stn build version
                               INT NOT NULL,
                                                                                          -- current software build version
 stn_sp_version
                               INT NOT NULL,
                                                                                          -- current service pack number (0 = release version)
                                                                                          -- time update installed on this station
 stn station timestamp
                               DATETIME NOT NULL,
 PRIMARY KEY
                               (stn name, stn id)
 CREATE UNIQUE INDEX
                               stn_site_name ON station (site, stn_name);
CREATE TABLE station_stat
 sstat station id
                           INTEGER REFERENCES station(stn id) NOT FOR
                             REPLICATION NOT NULL,
                                                                                           -- station ID
                           CHAR(16) NULL,
 sstat username
                                                                                           -- user name who is logged in
 sstat_logged_in
                          SMALLINT,
                                                                                           -1 = user logged in
 sstat timestamp
                          DATETIME,
                                                                                           -- time user logged in
                          SMALLINT,
                                                                                           -- 1 = station is a badging station
 sstat badging
 sstat station utctime
                          DATETIME,
                                                                                           -- UTC time workstation last reported itself
                           uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 sstat session guid
                                                                                           -- session guid for this connection
                           CHAR(32) NOT NULL,
                                                                                           -- Site Name
 site
 sstat_guid
                           uniqueidentifier PRIMARY KEY,
                                                                                           -- Record guid for this connection
 sstat checksum
                           INTEGER NOT NULL,
                                                                                           -- Record checksum
 CREATE INDEX
                           station_stat_id ON station_stat ( sstat_station_id );
 CREATE INDEX
                           station stat username ON station stat (sstat username);
CREATE TABLE station_save
                                                                                -- partition ID to which this station belongs
 stn_partition
                           INTEGER,
 stn_public
                           SMALLINT.
                                                                                -1 = \text{public}, 0 = \text{private}
                           INTEGER NOT NULL,
 stn_id
                                                                                -- unique ID for this station
                           CHAR(32) NOT NULL,
 stn name
 stn tz
                          INTEGER NULL,
                                                                                -- timezone ID when this station active (always active if NULL)
 stn enable
                          INTEGER,
                                                                                -- 1 = station enabled
                          INTEGER.
                                                                                -- 1 = station is a badging station
 stn badge ws
 stn server
                           INTEGER NOT NULL,
                                                                                -- 1 = station is also a server
 stn_mfg_id
                           INTEGER,
                                                                                -- message filter group ID
 stn alarm ws
                          SMALLINT NOT NULL,
                                                                                --- Can Alarm Monitor be shutdown
```

site stn_guid stn_checksum upd_guid upd_mode upd_timestamp upd_checksum upd_rowguid  stn_location stn_major_version stn_minor_version stn_build_version stn_sp_version stn_station_timestamp PRIMARY KEY );	CHAR(32) NOT NULL, uniqueidentifier NOT NULL, INTEGER NOT NULL, uniqueidentifier NOT NULL, SMALLINT NOT NULL, SMALLINT NOT NULL, DATETIME NOT NULL, INTEGER NOT NULL, uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, CHAR(32) NULL, INT NULL, (stn_name, stn_id, upd_mode desc, upd_guid)	Site Name Global unique record identifier Record checksum Guid for update operation Update mode (0 - delete, 1 - edit, 2 - new) Date / Time of the update Checksum Global unique record identifier station location current software major version current software minor version current software build version current service pack number (0 = release version) time update installed on this station
CREATE TABLE stia	a_access_code_door	
access_code_door_id access_code_id door_id ); CREATE INDEX CREATE INDEX	uniqueidentifier PRIMARY KEY NOT NULL, uniqueidentifier NOT NULL, uniqueidentifier NOT NULL, door_id ON stia_access_code_door(door_id); access_code_id ON stia_access_code_door(access_code_	Global unique record identifier Global unique record identifier Global unique record identifier id);
CREATE TABLE stia	a_badge	
( badge_id person_id job_title_id badge_status_id threat_level_id ); CREATE INDEX CREATE INDEX CREATE INDEX CREATE INDEX CREATE INDEX	uniqueidentifier PRIMARY KEY NOT NULL, uniqueidentifier NOT NULL, person_id ON stia_badge(person_id); job_title_id ON stia_badge(job_title_id); badge_status_id ON stia_badge(badge_status_id); threat_level_id ON stia_badge(threat_level_id);	Global unique record identifier
CREATE TABLE stia	a_badge_access	
badge_access_id badge_id access_code_id ); CREATE INDEX CREATE INDEX	uniqueidentifier PRIMARY KEY NOT NULL, uniqueidentifier NOT NULL, uniqueidentifier NOT NULL, badge_id ON stia_badge_access(badge_id); access_code_id ON stia_badge_access(access_code_id);	Global unique record identifier Global unique record identifier Global unique record identifier
CREATE TABLE stia	a_badge_exception	
( badge_exception_id badge_id door_id ); CREATE INDEX CREATE INDEX	uniqueidentifier PRIMARY KEY NOT NULL, uniqueidentifier NOT NULL, uniqueidentifier NOT NULL, badge_id ON stia_badge_exception(badge_id); door_id ON stia_badge_exception(door_id);	Global unique record identifier Global unique record identifier Global unique record identifier
CREATE INDEA	door_id On Sua_bauge_exception(door_id),	

#### CREATE TABLE stia\_division uniqueidentifier PRIMARY KEY NOT NULL, -- Global unique record identifier division id company id uniqueidentifier NOT NULL, -- Global unique record identifier CREATE INDEX company\_id ON stia\_division(company\_id); CREATE TABLE stia\_image\_documents image\_document\_id uniqueidentifier PRIMARY KEY NOT NULL, -- Global unique record identifier image\_type\_id uniqueidentifier NOT NULL, -- Global unique record identifier object\_id uniqueidentifier NOT NULL, -- Global unique record identifier uniqueidentifier NOT NULL, -- Global unique record identifier image format id CREATE INDEX image\_type\_id ON stia\_image\_documents(image\_type\_id); CREATE INDEX object\_id ON stia\_image\_documents(object\_id); CREATE INDEX image\_format\_id ON stia\_image\_documents(image\_format\_id); CREATE TABLE stia\_job\_title job\_title\_id uniqueidentifier PRIMARY KEY NOT NULL, -- Global unique record identifier division id uniqueidentifier NOT NULL, -- Global unique record identifier CREATE INDEX division\_id ON stia\_job\_title(division\_id); CREATE TABLE stia person person\_id uniqueidentifier PRIMARY KEY NOT NULL, -- Global unique record identifier eye\_color\_id uniqueidentifier NOT NULL, -- Global unique record identifier hair\_color\_id uniqueidentifier NOT NULL, -- Global unique record identifier race\_id uniqueidentifier NOT NULL, -- Global unique record identifier birth country id uniqueidentifier NOT NULL, -- Global unique record identifier birth state prov id uniqueidentifier NOT NULL, -- Global unique record identifier CREATE INDEX eye\_color\_id ON stia\_person(eye\_color\_id); CREATE INDEX hair\_color\_id ON stia\_person(hair\_color\_id); CREATE INDEX race id ON stia person(race id); CREATE INDEX birth country id ON stia person(birth country id); CREATE INDEX birth state prov id ON stia person(birth state prov id); **CREATE TABLE** svr\_startup\_cnfg INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY, svr id -- unique database ID varchar(32) NOT NULL, svr servicename svr\_servicetitle varchar(48) NOT NULL, varchar(32) NOT NULL, svr\_servername svr enable flag SMALLINT NOT NULL. svr iResourceID SMALLINT NOT NULL, svr bInstalled SMALLINT NOT NULL, SMALLINT NOT NULL, - ID of failure recovery options svr\_failurerecovery site CHAR(32) NOT NULL, -- Site Name svr guid uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier svr checksum INTEGER NOT NULL, -- Record checksum CREATE UNIQUE INDEX svr site name server ON svr startup cnfg (site, svr servicename, svr servername); CREATE UNIQUE INDEX svr\_site\_title\_server ON svr\_startup\_cnfg ( site, svr\_servicetitle, svr\_servername );

```
CREATE TABLE svr_startup_cnfg_save
                         INTEGER NOT NULL,
                                                                                              -- unique database ID
 svr id
 svr servicename
                         varchar(32) NOT NULL,
                         varchar(48) NOT NULL,
 svr servicetitle
 svr_servername
                         varchar(32) NOT NULL,
                         SMALLINT NOT NULL,
 svr enable flag
 svr_iResourceID
                         SMALLINT NOT NULL,
 svr bInstalled
                         SMALLINT NOT NULL,
                                                                                              -- ID of failure recovery options
 svr failurerecovery
                         SMALLINT NOT NULL,
 site
                         CHAR(32) NOT NULL,
                                                                                              -- Site Name
                         uniqueidentifier NOT NULL,
                                                                                              -- Global unique record identifier
 svr guid
 svr_checksum
                         INTEGER NOT NULL,
                                                                                              -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                                              -- Guid for update operation
                         SMALLINT NOT NULL,
                                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
                         DATETIME NOT NULL,
 upd timestamp
                                                                                              -- Date / Time of the update
 upd_checksum
                         INTEGER NOT NULL,
                                                                                              -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd rowguid
 PRIMARY KEY
                         (svr_id, upd_mode desc, upd_guid)
);
CREATE TABLE termgrp
                              INTEGER REFERENCES partition(part_number)
  tg_partition
                                                                                          -- partition ID to which this group belongs
                                 NOT FOR REPLICATION,
                              SMALLINT.
                                                                                          -1 = \text{public}, 0 = \text{private}
 tg_public
                              INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                          -- unique ID for this terminal group
 tg id
 tg_name
                              CHAR(40) NOT NULL,
                                                                                          -- terminal group name
                              CHAR(32) NOT NULL,
                                                                                          -- Site Name
 site
 tg_guid
                              uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                          -- Global unique record identifier
 tg checksum
                              INTEGER NOT NULL,
                                                                                          -- Record checksum
 PRIMARY KEY
                              (tg partition, tg id)
 CREATE INDEX
                              tg_public ON termgrp ( tg_public );
 CREATE UNIQUE INDEX
                              tg_site_name ON termgrp (site, tg_name);
CREATE TABLE termgrpterm
                         INTEGER REFERENCES termgrp(tg_id) NOT FOR REPLICATION,
 tgt_tg_id
                                                                                                -- term grp ID
                         INTEGER REFERENCES terminal(tp_term_id) NOT FOR REPLICATION,
                                                                                                -- terminal ID
 tgt_term_id
 site
                         CHAR(32) NOT NULL,
                                                                                                -- Site Name
 tgt guid
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                                -- Global unique record identifier
                         INTEGER NOT NULL,
 tgt checksum
                                                                                                -- Record checksum
 PRIMARY KEY
                         (tgt tg id, tgt term id)
 CREATE INDEX
                         tgt_term_id ON termgrpterm ( tgt_term_id );
CREATE TABLE termgrpterm_save
                         INTEGER,
                                                                                              -- term grp ID
 tgt_tg_id
 tgt_term_id
                         INTEGER,
                                                                                              -- terminal ID
                         CHAR(32) NOT NULL,
 site
                                                                                              -- Site Name
 tgt_guid
                         uniqueidentifier NOT NULL,

    Global unique record identifier

 tgt checksum
                         INTEGER NOT NULL,
                                                                                              -- Record checksum
                                                                                              -- Guid for update operation
                         uniqueidentifier NOT NULL,
 upd_guid
 upd mode
                         SMALLINT NOT NULL,
                                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                         DATETIME NOT NULL,
                                                                                              -- Date / Time of the update
 upd_checksum
                         INTEGER NOT NULL,
                                                                                              -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd_rowguid
 PRIMARY KEY
                         (tgt tg id, tgt term id, upd mode desc, upd guid)
);
```

### CREATE TABLE termgrp\_save

INTEGER, tg\_partition tg\_public SMALLINT, INTEGER NOT NULL, tg\_id tg\_name CHAR(40) NOT NULL, CHAR(32) NOT NULL, site tg\_guid uniqueidentifier NOT NULL, tg checksum INTEGER NOT NULL, uniqueidentifier NOT NULL, upd\_guid upd mode SMALLINT NOT NULL, upd timestamp DATETIME NOT NULL, upd\_checksum INTEGER NOT NULL,

uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier upd rowguid

PRIMARY KEY ( tg\_partition, tg\_id, upd\_mode desc, upd\_guid )

## **CREATE TABLE** terminal

tp\_term\_id INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, -- unique terminal ID tp term name varchar(32) NOT NULL. -- name of terminal SMALLINT NOT NULL, tp model -- terminal Model -- terminal type tp\_term\_type SMALLINT NOT NULL, tp\_term\_index SMALLINT NOT NULL, -- terminal index (0-15)

tp\_partition INTEGER REFERENCES partition(part\_number) NOT FOR REPLICATION.

tp public SMALLINT NOT NULL,

INTEGER NOT NULL REFERENCES panel(p\_panel\_id) tp\_panel\_id

NOT FOR REPLICATION,

tp\_query\_string CHAR(64), SMALLINT NOT NULL, tp reader flag tp input flag SMALLINT NOT NULL, SMALLINT NOT NULL, tp\_output\_flag

SMALLINT NOT NULL, tp\_enb\_dis

INTEGER NULL REFERENCES timezone(tz id) tp\_term\_tz NOT FOR REPLICATION,

tp override tz INTEGER NULL REFERENCES timezone(tz id) NOT FOR REPLICATION,

SMALLINT NOT NULL,

tp\_pin\_enable\_flag tp\_pin\_enable\_tz INTEGER NULL REFERENCES timezone(tz id)

NOT FOR REPLICATION,

INTEGER NULL REFERENCES timezone(tz id) tp\_pin\_disable\_tz

> NOT FOR REPLICATION, SMALLINT NOT NULL.

tp\_shunt\_time SMALLINT NOT NULL, tp manual rdr SMALLINT NOT NULL, tp anti passback SMALLINT NOT NULL, tp\_anti\_pb\_time SMALLINT NOT NULL, SMALLINT NOT NULL, tp ntr xit time tp soft inxit SMALLINT NOT NULL, tp\_access\_modes SMALLINT NOT NULL, tp rd timed ovr SMALLINT NOT NULL,

tp\_strike\_stat\_enb SMALLINT. tp output stat enb SMALLINT.

tp access time

SMALLINT NOT NULL, tp interlock enable tp\_rd\_override SMALLINT NOT NULL, tp\_cmd\_seclevel SMALLINT NOT NULL, CHAR(32) NOT NULL, site

uniqueidentifier ROWGUIDCOL UNIOUE NOT NULL. tp guid

tp checksum INTEGER NOT NULL, PRIMARY KEY (tp\_partition, tp\_term\_id)

CREATE INDEX tp\_public ON terminal(tp\_public); -- partition ID to which this group belongs

-1 = public, 0 = private

-- unique ID for this terminal group

-- terminal group name -- Site Name

-- Global unique record identifier

-- Record checksum -- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Date / Time of the update

-- Checksum

-- ID of partition for this terminal -- publication -- panel id -- query string enter by user -- 1 = terminal is a reader terminal -- 1 = terminal is an input terminal -- 1 = terminal is an output terminal -- 1 = terminal is enabled -- timezone ID when enabled (always if NULL) -- timezone ID when override (always if NULL) -- pin pad enable/disable -- timezone ID when pin code suppressed (always if NULL) -- pin pad disable time zone -- access time in secs (0-25) -- shunt time in secs (0-255) -- 1 = valid and unauthorized enabled -- 1 = anti-passback enabled -- anti-passback time in mins (0-60) -- entry/exit time in secs (0-255) -- 1 = soft entry/exit enabled -- access mode (0 = local, 1 = central, 2 = shared) -- 1 = cardholder override enabled

-- 1 = door strike messages enabled

-- 1 = reader override enabled

-- Global unique record identifier

-- Site Name

-- Record checksum

-- 1 = output status messages enabled

-- 1 = allow action interlocks for this terminal

-- 0 = not used. Last commanded security level value

```
CREATE INDEX tp_panel_id ON terminal ( tp_panel_id );
CREATE UNIQUE INDEX
CREATE UNIQUE INDEX
CREATE UNIQUE INDEX
tp_panel_index ON terminal ( tp_panel_id, tp_term_index );
tp_site_name ON terminal (site, tp_term_name);
```

#### **CREATE TABLE** terminal status

```
ts term id
                        INTEGER REFERENCES terminal(tp term id) NOT FOR REPLICATION, -- unique terminal ID
ts rdr status
                        SMALLINT,
                                                                                               -- current reader status 0-2 (set by comms)
                        DATETIME,
ts_rdr_timestamp
                                                                                               -- current reader status time (set by comms)
                        SMALLINT,
                                                                                               -- current input status 0-2 (set by comms)
ts_in_status
                                                                                               -- current input status time (set by comms)
ts in timestamp
                        DATETIME.
                        SMALLINT,
ts out status
                                                                                               -- current output status 0-2 (set by comms)
ts out timestamp
                        DATETIME,
                                                                                               -- current output status time (set by comms)
                        SMALLINT NOT NULL,
ts_read_seclevel
                                                                                               -- last read security level value
                        CHAR(32) NOT NULL,
                                                                                               -- Site Name
ts guid
                        uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                               -- Global unique record identifier
ts checksum
                        INTEGER NOT NULL,
                                                                                               -- Record checksum
ts details timestamp
                        DATETIME NULL,
                        VARCHAR(64) NULL,
ts details1
ts_details2
                        VARCHAR(64) NULL,
ts details3
                        VARCHAR(64) NULL,
ts details4
                        VARCHAR(64) NULL,
                        VARCHAR(64) NULL,
ts details5
                        VARCHAR(64) NULL,
ts details6
ts details7
                        VARCHAR(64) NULL,
ts details8
                        VARCHAR(64) NULL,
PRIMARY KEY
                        (ts_term_id)
```

### CREATE TABLE terminal\_assaabloy

```
INTEGER REFERENCES terminal(tp term id) PRIMARY KEY NOT NULL,
[taa_id]
[taa_public]
                              [smallint] NULL,
[taa_query_string]
                             [char](64) NULL,
                             [varchar](64) NOT NULL,
[taa type]
[taa_override_type]
                              [smallint] NULL,
[taa_extended_access_time
                              [smallint] NULL,
[taa_pin_type]
                              [smallint] NULL,
                              [int] NOT NULL,
[taa_connect_interval]
[site]
                              [char](32) NOT NULL,
                              [uniqueidentifier] ROWGUIDCOL DEFAULT newid() NOT NULL,
[taa guid]
[taa_checksum]
                              [int] NOT NULL,
[taa_wireless]
                              [smallint] NULL
```

### CREATE TABLE terminal\_assaabloy\_save

```
[taa_id]
                              [int] NOT NULL,
[taa_public]
                              [smallint] NULL,
                              [char](64) NULL,
[taa_query_string]
                              [varchar](64) NOT NULL,
[taa type]
[taa override type]
                              [smallint] NULL,
                              [smallint] NULL,
[taa_extended_access_time
                              [smallint] NULL,
[taa_pin_type]
[taa connect interval]
                              [int] NOT NULL,
                              [char](32) NOT NULL,
[site]
                              [uniqueidentifier] NOT NULL,
[taa guid]
[taa_checksum]
                              [int] NOT NULL,
                              uniqueidentifier NOT NULL.
upd_guid
upd mode
                              SMALLINT NOT NULL,
```

DATETIME NOT NULL,

- -- Guid for update operation
- -- Update mode (0 delete, 1 edit, 2 new)
- -- Date / Time of the update

upd timestamp

```
INTEGER NOT NULL,
                                                                                                -- Checksum
 upd checksum
                                uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                                   UNIQUE NOT NULL,
                                                                                                -- Global unique record identifier
 [taa wireless]
                                [smallint] NULL,
 PRIMARY KEY
                                (taa_id, upd_mode desc, upd_guid)
CREATE TABLE terminal ck
 tp_id
                               INTEGER REFERENCES terminal(tp_term_id)
                                  NOT FOR REPLICATION,
                                                                                     -- Unique database ID of terminal
 tp_alarm_shunt
                               SMALLINT,
                                                                                     -- 1 = alarm shunt for aux access enabled
 tp_anti_tailgate
                               SMALLINT.
                                                                                     -- 1 = anti-tailgate enabled
                               SMALLINT,
 tp_fac_code_access
                                                                                     -- 1 = facility code only access enabled
 tp moment access
                               SMALLINT,
                                                                                     -- 1 = momentary aux access enabled
 tp_stand_alone_pin
                               SMALLINT,
                                                                                     -- 1 = pin required when offline enabled
 tp_deny_access
                               SMALLINT,
                                                                                     -- (legacy panels only)
 tp_search_card
                               SMALLINT,
                                                                                     -- (legacy panels only)
 tp_pin_after_badge
                               SMALLINT.
                                                                                     -- 1 = allow pin after badge enabled
 tp warn time
                               SMALLINT,
                                                                                     -- cardholder override time in mins (0-10)
 tp warn op grp
                               INTEGER,
                                                                                     -- output group ID for cardholder override warning
                               SMALLINT NULL,
                                                                                     -- (reserved for D620 I/O linking)
 tp_link1_output1
 tp_link2_output2
                               SMALLINT NULL,
                                                                                     -- (reserved for D620 I/O linking)
 tp link3 output3
                               SMALLINT NULL.
                                                                                     -- (reserved for D620 I/O linking)
 tp link4 output4
                               SMALLINT NULL,
                                                                                     -- (reserved for D620 I/O linking)
 tp io linking
                               SMALLINT,
                                                                                     -- (reserved for D620 I/O linking)
 tp_alm_relay_mode
                               SMALLINT.
                                                                                     -- (reserved for legacy panels)
                               SMALLINT,
                                                                                     -- (reserved for legacy panels)
 tp_alm_rlay_to_act
 tp key switch mode
                               SMALLINT,
                                                                                     -- (reserved for legacy panels)
 tp fail mode
                               SMALLINT,
                                                                                     -- 1 = fail secure enabled (legacy panels only)
 tp_fac_code_0
                               INTEGER NULL,
                                                                                     -- facility code 1
 tp_fac_code_1
                               INTEGER NULL,
                                                                                     -- facility code 2
 tp_fac_code_2
                               INTEGER NULL,
                                                                                     -- facility code 3
                                                                                     -- facility code 4
 tp_fac_code_3
                               INTEGER NULL,
 tp fac code 4
                               INTEGER NULL,
                                                                                     -- facility code 5
 tp_fac_code_5
                               INTEGER NULL,
                                                                                     -- facility code 6
 tp_fac_code_6
                               INTEGER NULL,
                                                                                     -- facility code 7
 tp_fac_code_7
                               INTEGER NULL,
                                                                                     -- facility code 8
                                                                                     -- facility code 9
 tp fac code 8
                               INTEGER NULL,
 tp_fac_code_9
                               INTEGER NULL,
                                                                                     -- facility code 10
 tp_fac_code_10
                               INTEGER NULL,
                                                                                     -- facility code 11
 tp_fac_code_11
                               INTEGER NULL.
                                                                                     -- facility code 12
 tp_fac_mask_0
                               INTEGER NULL,
                                                                                     -- facility code 1 card type
                               INTEGER NULL,
                                                                                     -- facility code 2 card type
 tp fac mask 1
 tp_fac_mask_2
                               INTEGER NULL,
                                                                                     -- facility code 3 card type
 tp_fac_mask_3
                               INTEGER NULL,
                                                                                     -- facility code 4 card type
 tp fac mask 4
                               INTEGER NULL,
                                                                                     -- facility code 5 card type
                                                                                     -- facility code 6 card type
 tp fac mask 5
                               INTEGER NULL,
 tp_fac_mask_6
                               INTEGER NULL,
                                                                                     -- facility code 7 card type
 tp_fac_mask_7
                               INTEGER NULL,
                                                                                     -- facility code 8 card type
 tp_fac_mask_8
                               INTEGER NULL,
                                                                                     -- facility code 9 card type
 tp_fac_mask_9
                               INTEGER NULL,
                                                                                     -- facility code 10 card type
 tp fac mask 10
                               INTEGER NULL,
                                                                                     -- facility code 11 card type
 tp fac mask 11
                               INTEGER NULL,
                                                                                     -- facility code 12 card type
                                                                                     -- alarm debounce time in msecs (20-80)
 tp_alarm_debounce
                               SMALLINT,
                                                                                     -- 1 = reverse reading enabled
 tp reverse
                               SMALLINT,
 tp_reverse_duress
                               SMALLINT.
                                                                                     -- 1 = reverse swipe duress enabled
 tp card wiegand
                               TINYINT NULL,
                                                                                     -- 1 = wiegand cards enabled
 tp card encrypted
                               TINYINT NULL,
                                                                                     -- 1 = ncrypt cards enabled
 tp_card_magstripe
                               TINYINT NULL,
                                                                                     -- 1 = mag stripe cards enabled
                               TINYINT NULL,
 tp_card_binary
                                                                                     -- 1 = binary BaFe cards enabled
 tp_card_binary_par
                               TINYINT NULL,
                                                                                     -- 1 = binary BaFe parity cards enabled
 tp_card_pin
                               TINYINT NULL,
                                                                                     -- 1 = pin code enabled
```

1.11	TDUMBURANT	1 1 1 11 11 1
tp_card_id	TINYINT NULL,	1 = badge id enabled
tp_card_pin_id	TINYINT NULL,	1 = pin code and badge id enabled
tp_card_bcd	TINYINT NULL,	1 = BCD BaFe cards enabled
tp_card_bcd_par	TINYINT NULL,	1 = BCD BaFe parity cards enabled
tp_card_prox	TINYINT NULL,	1 = Eyecam, Prox, Indala cards enabled
tp_card_sensor_fwd	TINYINT NULL,	1 = 26 bit sensor forward cards enabled
tp_card_sensor_rev	TINYINT NULL,	1 = 26 bit sensor reverse cards enabled
tp_card_motorola	TINYINT NULL,	1 = 32 bit Motorola cards enabled
tp card custom	TINYINT NULL,	1 = custom cards enabled
tp floor sel to	SMALLINT,	D600E floor select timeout (0 - 25 sec)
tp floor acc tmr	SMALLINT,	D600E floor access timer
tp_card_type	SMALLINT,	Reader card type (non CK720 panels)
tp grant on open only	SMALLINT NOT NULL,	Send access grant message only if door is opened
tp_grant_on_open_omy	SWITEERIT NOT NOEL,	(v2.0 and higher)
tp door open warn time	SMALLINT NOT NULL,	Door open pre-warning time in seconds (0-255)
		· · ·
tp_door_open_warn_op_grp	INTEGER NOT NULL,	output group ID for door open pre-warning
tp_air_crew_pin	SMALLINT,	D600-AP air crew pin P flag in prot-b dnld spec.
tp_relock_on_open	TINYINT,	1 = relock on door open enadled
tp_timed_shunt	TINYINT,	-1 = timed shunt, 0 = timed override
tp_star_feature	TINYINT,	1 = star feature enabled
tp_override_time	SMALLINT NOT NULL,	override time with units min.
tp_assisted_access	SMALLINT,	-2 = always, $1 = assisted A$ , $0 = never$
tp_assisted_access_time	SMALLINT,	assisted time with units sec, range 0-120
tp_ada_relay_connector	SMALLINT,	-2 = green, 1 = shunt, 0 = none
tp_ada_relay_time	SMALLINT,	ada relay time with units sec, range 0-120
tp_ada_relay_delay	SMALLINT,	ada relay delay time with units 100ms, range 0-3000
tp pin plus 1 duress	TINYINT,	1 = pin plus 1 feature enadled
tp_card_ccmag_stripe	TINYINT,	1 = CCMAG stripe enadled
tp card 27 apd	TINYINT,	1 = 27 bit APD enadled
tp_card_27_apd tp_card_hid_corp_1000	TINYINT,	1 = hid corporate 1000 enadled
tp_card_custom_1		1 = custom format 1 enadled
	TINYINT,	
tp_card_custom_2	TINYINT,	1 = custom format 2 enadled
tp_card_custom_3	TINYINT,	1 = custom format 3 enadled
tp_card_custom_4	TINYINT,	1 = custom format 4 enadled
tp_card_custom_5	TINYINT,	1 = custom format 5 enadled
tp_card_custom_6	TINYINT,	1 = custom format 6 enadled
tp_card_custom_7	TINYINT,	1 = custom format 7 enadled
tp_card_custom_8	TINYINT,	1 = custom format 8 enadled
tp_shunt_unit	TINYINT,	Used by D600AP with extened shunt enabled.
		1 = Minute, 0 = Seconds
site	CHAR(32) NOT NULL,	Site Name
tp guid	uniqueidentifier ROWGUIDCOL UNIQ	QUE NOT NULL, Global unique record identifier
tp checksum	INTEGER NOT NULL,	Record checksum
tp nman people	INTEGER NOT NULL,	
tp_nman_period	INTEGER NOT NULL,	
tp_ovrd_thrshld	INTEGER NOT NULL,	
tp_shunt_warn_auto_off	SMALLINT NOT NULL,	
tp_snunt_warn_auto_on tp_warn_auto_off	SMALLINT NOT NULL,	
tp_no_green_on_aux	SMALLINT NOT NULL,	
tp_bqt_lcd_reader	SMALLINT NOT NULL,	
tp_deny_if_door_open	SMALLINT NOT NULL,	
tp_visitor_escort_mode	SMALLINT NOT NULL,	
tp_rdr_module_type	SMALLINT NOT NULL,	
tp_rdr_module_addr	SMALLINT NOT NULL,	
tp_rdr_module_index	SMALLINT NOT NULL,	
tp_io_module_type	SMALLINT NOT NULL,	
tp_io_module_addr	SMALLINT NOT NULL,	
tp_io_module_index	SMALLINT NOT NULL,	
PRIMARY KEY	(tp_id)	
);		

# CREATE TABLE terminal\_ck\_save

(	aooavo	
tp_id	INTEGER NOT NULL,	Unique database ID of terminal
tp alarm shunt	SMALLINT,	1 = alarm shunt for aux access enabled
tp_anti_tailgate	SMALLINT,	1 = anti-tailgate enabled
tp_fac_code_access	SMALLINT,	1 = facility code only access enabled
tp_moment_access	SMALLINT,	1 = momentary aux access enabled
tp_stand_alone_pin	SMALLINT,	1 = pin required when offline enabled
tp_deny_access	SMALLINT,	(legacy panels only)
tp_search_card	SMALLINT,	(legacy panels only)
tp_pin_after_badge	SMALLINT,	1 = allow pin after badge enabled
tp_warn_time	SMALLINT,	cardholder override time in mins (0-10)
tp_warn_op_grp	INTEGER,	output group ID for cardholder override warning
tp_link1_output1	SMALLINT NULL,	(reserved for D620 I/O linking)
tp_link2_output2	SMALLINT NULL,	(reserved for D620 I/O linking)
tp_link3_output3	SMALLINT NULL,	(reserved for D620 I/O linking)
tp_link4_output4	SMALLINT NULL,	(reserved for D620 I/O linking)
tp_io_linking	SMALLINT,	(reserved for D620 I/O linking)
tp_alm_relay_mode	SMALLINT,	(reserved for legacy panels)
tp_alm_rlay_to_act	SMALLINT,	(reserved for legacy panels)
tp_key_switch_mode	SMALLINT,	(reserved for legacy panels)
tp_fail_mode	SMALLINT,	1 = fail secure enabled (legacy panels only)
tp_fac_code_0	INTEGER NULL,	facility code 1
tp_fac_code_1	INTEGER NULL,	facility code 2
tp_fac_code_2 tp_fac_code_3	INTEGER NULL, INTEGER NULL,	facility code 3 facility code 4
tp_fac_code_4	INTEGER NULL,	facility code 5
tp_fac_code_5	INTEGER NULL,	facility code 6
tp_fac_code_6	INTEGER NULL,	facility code 7
tp_fac_code_7	INTEGER NULL,	facility code 8
tp_fac_code_8	INTEGER NULL,	facility code 9
tp_fac_code_9	INTEGER NULL,	facility code 10
tp fac code 10	INTEGER NULL,	facility code 11
tp_fac_code_11	INTEGER NULL,	facility code 12
tp_fac_mask_0	INTEGER NULL,	facility code 1 card type
tp_fac_mask_1	INTEGER NULL,	facility code 2 card type
tp_fac_mask_2	INTEGER NULL,	facility code 3 card type
tp_fac_mask_3	INTEGER NULL,	facility code 4 card type
tp_fac_mask_4	INTEGER NULL,	facility code 5 card type
tp_fac_mask_5	INTEGER NULL,	facility code 6 card type
tp_fac_mask_6	INTEGER NULL,	facility code 7 card type
tp_fac_mask_7	INTEGER NULL,	facility code 8 card type
tp_fac_mask_8	INTEGER NULL,	facility code 9 card type
tp_fac_mask_9	INTEGER NULL,	facility code 10 card type
tp_fac_mask_10	INTEGER NULL,	facility code 11 card type
tp_fac_mask_11	INTEGER NULL,	facility code 12 card type
tp_alarm_debounce	SMALLINT,	alarm debounce time in msecs (20-80)
tp_reverse	SMALLINT,	1 = reverse reading enabled
tp_reverse_duress	SMALLINT,	1 = reverse swipe duress enabled
tp_card_wiegand	TINYINT NULL,	1 = wiegand cards enabled
tp_card_encrypted	TINYINT NULL,	1 = ncrypt cards enabled
tp_card_magstripe	TINYINT NULL,	1 = mag stripe cards enabled
tp_card_binary tp_card_binary_par	TINYINT NULL, TINYINT NULL,	1 = binary BaFe cards enabled 1 = binary BaFe parity cards enabled
tp_card_binary_par	TINYINT NULL,	1 = pin code enabled
tp_card_id	TINYINT NULL,	1 = badge id enabled
tp_card_pin_id	TINYINT NULL,	1 = pin code and badge id enabled
tp_card_pin_id tp_card_bcd	TINYINT NULL,	1 = BCD BaFe cards enabled
tp_card_bcd par	TINYINT NULL,	1 = BCD BaFe parity cards enabled
tp_card_oca_par	TINYINT NULL,	1 = Eyecam, Prox, Indala cards enabled
tp_card_sensor_fwd	TINYINT NULL,	1 = 26 bit sensor forward cards enabled
tp_card_sensor_rwa	TINYINT NULL,	1 = 26 bit sensor reverse cards enabled
tp card motorola	TINYINT NULL,	1 = 32 bit Motorola cards enabled
tp_card_custom	TINYINT NULL,	1 = custom cards enabled

```
tp floor sel to
                             SMALLINT,
                                                                               -- D600E floor select timeout (0 - 25 sec)
 tp_floor_acc_tmr
                             SMALLINT,
                                                                               -- D600E floor access timer
 tp_card_type
                             SMALLINT,
                                                                               -- Reader card type (non CK720 panels)
                             SMALLINT NOT NULL,
                                                                               -- Send access grant message only if door is opened
 tp grant on open only
                                                                                 (v2.0 and higher)
 tp_door_open_warn_time
                             SMALLINT NOT NULL,
                                                                               -- Door open pre-warning time in seconds (0-255)
                             INTEGER NOT NULL,
 tp_door_open_warn_op_grp
                                                                               -- output group ID for door open pre-warning
 --tp_security_level
                             SMALLINT,
                                                                               -- security level 0-99
                                                                               -- D600-AP air crew pin P flag in prot-b dnld spec.
 tp air crew pin
                             SMALLINT.
 tp relock on open
                                                                               -- 1 = relock on door open enadled
                             TINYINT,
 tp_timed_shunt
                             TINYINT,
                                                                               -1 = timed shunt, 0 = timed override
 tp_star_feature
                             TINYINT,
                                                                               -- 1 = star feature enabled
 tp_override_time
                             SMALLINT NOT NULL,
                                                                               -- override time with units min.
 tp assisted access
                             SMALLINT.
                                                                               -2 = always. 1 = assisted A. 0 = never
 tp assisted access time
                             SMALLINT,
                                                                               -- assisted time with units sec, range 0-120
 tp_ada_relay_connector
                             SMALLINT,
                                                                               -2 = green, 1 = shunt, 0 = none
 tp_ada_relay_time
                             SMALLINT,
                                                                               -- ada relay time with units sec, range 0-120
                             SMALLINT,
                                                                               -- ada relay delay time with units 100ms, range 0-3000
 tp_ada_relay_delay
 tp pin plus 1 duress
                             TINYINT,
                                                                               -- 1 = pin plus 1 feature enadled
 tp card ccmag stripe
                             TINYINT,
                                                                               -- 1 = CCMAG stripe enadled
 tp_card_27_apd
                             TINYINT,
                                                                               -1 = 27 bit APD enadled
 tp_card_hid_corp_1000
                             TINYINT,
                                                                               -- 1 = hid corporate 1000 enadled
 tp_card_custom_1
                             TINYINT.
                                                                               -- 1 = custom format 1 enadled
 tp card custom 2
                             TINYINT,
                                                                               -- 1 = custom format 2 enadled
 tp card custom 3
                             TINYINT,
                                                                               -- 1 = custom format 3 enadled
                                                                               -- 1 = custom format 4 enadled
 tp card custom 4
                             TINYINT,
 tp_card_custom_5
                                                                               -- 1 = custom format 5 enadled
                             TINYINT,
 tp card custom 6
                             TINYINT,
                                                                               -- 1 = custom format 6 enadled
                                                                               -- 1 = custom format 7 enadled
 tp card custom 7
                             TINYINT,
 tp_card_custom_8
                             TINYINT,
                                                                               -- 1 = custom format 8 enadled
                             TINYINT,
                                                                               -- Used by D600AP with extened shunt enabled. 1 = Minute,
 tp shunt unit
                                                                                 0 = Seconds
                             CHAR(32) NOT NULL,
 site
                                                                               -- Site Name
                             uniqueidentifier NOT NULL,
                                                                               -- Global unique record identifier
 tp guid
 tp_checksum
                             INTEGER NOT NULL,
                                                                               -- Record checksum
 upd_guid
                             uniqueidentifier NOT NULL,
                                                                               -- Guid for update operation
 upd mode
                             SMALLINT NOT NULL,
                                                                               -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                             DATETIME NOT NULL,
                                                                               -- Date / Time of the update
 upd_checksum
                             INTEGER NOT NULL,
                                                                               -- Checksum
                             uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd rowguid
                                UNIOUE NOT NULL.
                                                                               -- Global unique record identifier
 tp_nman_people
                             INTEGER NOT NULL.
                             INTEGER NOT NULL,
 tp nman period
 tp_ovrd_thrshld
                             INTEGER NOT NULL,
 tp_shunt_warn_auto_off
                             SMALLINT,
 tp_warn_auto_off
                             SMALLINT,
 tp no green on aux
                             SMALLINT.
 tp bqt lcd reader
                             SMALLINT,
 tp_deny_if_door_open
                             SMALLINT,
 tp_visitor_escort_mode
                             SMALLINT,
 tp_rdr_module_type
                             SMALLINT,
 tp rdr module addr
                             SMALLINT,
 tp rdr module index
                             SMALLINT,
 tp_io_module_type
                             SMALLINT,
 tp_io_module_addr
                             SMALLINT,
 tp io module index
                             SMALLINT
 PRIMARY KEY
                             (tp id, upd mode desc, upd guid)
CREATE TABLE terminal_hid
 thid id
                                 INTEGER REFERENCES terminal(tp term id)
                                    NOT FOR REPLICATION,
                                                                               -- Unique database ID of panel
```

```
thid card format
                                 VARCHAR(4096) NULL,
                                                                               -- Card format
 thid extended access time
                                 SMALLINT NOT NULL,
                                                                               -- Extended access time in seconds 0 - 65535
 thid_rex_input_unlocks_door
                                 SMALLINT NOT NULL,
                                                                               -1 = \text{rex unlocks door}, 0 = \text{rex does not unlock door}
                                 SMALLINT NOT NULL,
                                                                               -1 = annunicate locally, 0 = do not annunicate
 thid annunciate propped door
                                                                               -- 0 = \text{No action}, 1 = \text{Notify P2000},
 thid_anti_passback_action
                                 SMALLINT NOT NULL,
                                                                                 2 = Deny access and Notify P2000
                                  SMALLINT NOT NULL,
                                                                               -- 1 = Aux Relay follows Tamper state, 0 = does not follow
 thid_aux_tracks_tamper
                                                                               -- 1 = Card only, 2 = Card & PIN, 3 = Card ID,
 thid_pin_access_method
                                 SMALLINT NOT NULL,
                                                                                 4 = Card or Card ID
 thid pin max entry time
                                 SMALLINT NOT NULL,
                                                                               -- 0 - 60 seconds, maximum time to enter pin
 thid_pin_max_attempts
                                 SMALLINT NOT NULL,
                                                                               -- 1 - 10 maximum number of pin entry attempts
 thid_pin_lockout_time
                                 SMALLINT NOT NULL,
                                                                               -- 0 - 99 seconds, lockout time on failed attempt
 thid_user_linker_rules_used
                                 SMALLINT NOT NULL,
                                                                               -- Are IO Linker rules added by field? (Note: No UI adds to
                                                                                 this column)
 thid user linker rules
                                  VARCHAR(4096) NULL,
                                                                               -- IO Linker rules added from this field (Note: No UI adds to
                                                                                 this column)
                                 CHAR(32) NOT NULL,
                                                                               -- Site Name
 site
 thid guid
                                 uniqueidentifier ROWGUIDCOL UNIQUE
                                    NOT NULL,
                                                                               -- Global unique record identifier
 thid checksum
                                 INTEGER NOT NULL,
                                                                               -- Record checksum
 PRIMARY KEY
                                 (thid_id)
);
CREATE TABLE terminal_hid_save
 thid_id
                                 INTEGER NOT NULL,
                                                                        -- Unique database ID of terminal
 thid_card_format
                                 VARCHAR(4096) NULL,
                                                                        -- Card format
                                 SMALLINT NOT NULL,
                                                                        -- Extended access time in seconds 0 - 65535
 thid_extended_access_time
 thid rex input unlocks door
                                 SMALLINT NOT NULL,
                                                                        -1 = \text{rex unlocks door}, 0 = \text{rex does not unlock door}
 thid annunciate propped door
                                 SMALLINT NOT NULL,
                                                                        -1 = annunicate locally, 0 = do not annunicate
 thid_anti_passback_action
                                 SMALLINT NOT NULL,
                                                                        -- 0 = No action, 1 = Notify P2000, 2 = Deny access and Notify P2000
 thid aux tracks tamper
                                 SMALLINT NOT NULL,
                                                                        -- 1 = Aux Relay follows Tamper state, 0 = does not follow
 thid_pin_access_method
                                 SMALLINT NOT NULL,
                                                                        -- 1 = Card only, 2 = Card & PIN, 3 = Card ID, 4 = Card or Card ID
 thid pin max entry time
                                 SMALLINT NOT NULL,
                                                                        -- 0 - 60 seconds, maximum time to enter pin
 thid pin max attempts
                                 SMALLINT NOT NULL,
                                                                        -- 1 - 10 maximum number of pin entry attempts
 thid pin lockout time
                                 SMALLINT NOT NULL,
                                                                        -- 0 - 99 seconds, lockout time on failed attempt
 thid_user_linker_rules_used
                                 SMALLINT NOT NULL,
                                                                        -- Are IO Linker rules added by field? (Note: No UI adds to this
                                 VARCHAR(4096) NULL,
 thid_user_linker_rules
                                                                        -- IO Linker rules added by field (Note: No UI adds to this column)
                                 CHAR(32) NOT NULL,
                                                                        -- Site Name
 thid_guid
                                 uniqueidentifier NOT NULL,
                                                                        -- Global unique record identifier
                                 INTEGER NOT NULL.
                                                                        -- Record checksum
 thid_checksum
 upd guid
                                 uniqueidentifier NOT NULL,
                                                                        -- Guid for update operation
 upd mode
                                 SMALLINT NOT NULL,
                                                                        -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                                 DATETIME NOT NULL,
                                                                        -- Date / Time of the update
                                                                        -- Checksum
 upd\_checksum
                                 INTEGER NOT NULL,
                                 uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                                   newid() UNIQUE NOT NULL,
                                                                        -- Global unique record identifier
 PRIMARY KEY
                                 (thid_id, upd_mode desc, upd_guid)
);
CREATE TABLE terminal_isonas
 tisonas id
                                  INTEGER REFERENCES terminal(tp term id)
                                     NOT FOR REPLICATION,
                                                                          -- Unique database ID of panel
 tisonas_unauth_activate_ttl2
                                                                          -1 = Active TTL2 when door forced or held 0 = do nothing
                                  TINYINT NOT NULL,
 tisonas rex unlock door
                                  TINYINT NOT NULL,
                                                                          -- 1 = On REX unlock door 0 = On REX Activate TTL2
 tisonas rex beep unlock
                                  TINYINT NOT NULL.
                                                                          -- 1 = On REX unlock beep 0 = On REX unlock don't beep
 tisonas aux activate ttl1
                                  TINYINT NOT NULL,
                                                                          -- 1 = On AUX activate TTL1 0 = On AUX don't activate TTL1
 tisonas_aux_activate_ttl2
                                  TINYINT NOT NULL,
                                                                          -- 1 = On AUX activate TTL2 0 = On AUX don't activate TTL2
                                  TINYINT NOT NULL,
                                                                          -- 1 = On AUX activate relay 0 = On AUX don't activate relay
 tisonas_aux_activate_relay
 tisonas_tamper_beep
                                  TINYINT NOT NULL,
                                                                          -- 1 = On Tamper beep 0 = On Tamper don't beep
```

```
TINYINT NOT NULL,
                                                                        -- 1 = On Tamper activate TTL1 0 = On Tamper don't activate TTL1
 tisonas tamper activate ttl1
 tisonas_card_number_source
                                 TINYINT NOT NULL,
                                                                        -- 1 = Badge, 2 = Keypad, 3 = Both badge and keypad
 tisonas_card_format
                                 VARCHAR(4096) NULL,
                                                                        -- Card format
                                                                        -- Bit mask of which 32 out of 96 bits to use
 tisonas card bits to use
                                 CHAR(24) NULL,
                                 CHAR(32) NOT NULL,
                                                                        -- Site Name
 site
                                 uniqueidentifier ROWGUIDCOL UNIQUE
 tisonas_guid
                                    NOT NULL,
                                                                        -- Global unique record identifier
 tisonas checksum
                                 INTEGER NOT NULL,
                                                                        -- Record checksum
 PRIMARY KEY
                                 (tisonas id)
CREATE TABLE terminal_isonas_save
                                 INTEGER NOT NULL,
                                                                        -- Unique database ID of terminal
 tisonas id
 tisonas unauth activate ttl2
                                 TINYINT NOT NULL,
                                                                        -- 1 = Active TTL2 when door forced or held 0 = do nothing
 tisonas_rex_unlock_door
                                 TINYINT NOT NULL,
                                                                        -- 1 = On REX unlock door 0 = On REX Activate TTL2
 tisonas_rex_beep_unlock
                                 TINYINT NOT NULL,
                                                                        -- 1 = On REX unlock beep 0 = On REX unlock don't beep
                                                                        -- 1 = On AUX activate TTL1 0 = On AUX don't activate TTL1
 tisonas_aux_activate_ttl1
                                 TINYINT NOT NULL,
 tisonas aux activate ttl2
                                                                        -- 1 = On AUX activate TTL2 0 = On AUX don't activate TTL2
                                 TINYINT NOT NULL,
                                                                        -- 1 = On AUX activate relay 0 = On AUX don't activate relay
 tisonas aux activate relay
                                 TINYINT NOT NULL,
 tisonas tamper beep
                                 TINYINT NOT NULL,
                                                                        -1 = On Tamper beep 0 = On Tamper don't beep
                                                                        -- 1 = On Tamper activate TTL1 0 = On Tamper don'tactivate TTL1
 tisonas_tamper_activate_ttl1
                                 TINYINT NOT NULL,
                                                                        -- 1 = Badge, 2 = Keypad, 3 = Both badge and keypad
 tisonas_card_number_source
                                 TINYINT NOT NULL,
 tisonas card format
                                 VARCHAR(4096) NULL,
                                                                         -- Card format
 tisonas card bits to use
                                 CHAR(24) NULL,
                                                                         -- Bit mask of which 32 out of 96 bits to use
                                 CHAR(32) NOT NULL,
                                                                         -- Site Name
 tisonas_guid
                                 uniqueidentifier NOT NULL,
                                                                        -- Global unique record identifier
 tisonas_checksum
                                 INTEGER NOT NULL,
                                                                        -- Record checksum
 upd guid
                                 uniqueidentifier NOT NULL,
                                                                        -- Guid for update operation
 upd mode
                                 SMALLINT NOT NULL,
                                                                        -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                                 DATETIME NOT NULL,
                                                                        -- Date / Time of the update
 upd checksum
                                 INTEGER NOT NULL,
                                                                         -- Checksum
                                 uniqueidentifier ROWGUIDCOL DEFAULT
 upd_rowguid
                                   newid() UNIQUE NOT NULL,
                                                                        -- Global unique record identifier
 PRIMARY KEY
                                 (tisonas id, upd mode desc, upd guid)
CREATE TABLE terminal_osi
 tosi id
                          INTEGER REFERENCES terminal(tp term id) NOT FOR REPLICATION,
                                                                                                 -- Unique database ID of panel
 tosi mac
                          CHAR(16) UNIQUE NOT NULL,
                                                                                                 -- mac address of terminal
 tosi door sensors
                          SMALLINT NOT NULL,
                                                                                                 -- 1 = reader has door sensors
 tosi_update_interval
                          INTEGER NOT NULL,
                          CHAR(32) NOT NULL,
                                                                                                 -- Site Name
 site
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                                 -- Global unique record identifier
 tosi guid
 tosi checksum
                          INTEGER NOT NULL,
                                                                                                 -- Record checksum
 tosi channels
                          INTEGER NOT NULL,
                                                                                                 -- Record channels
 PRIMARY KEY
                          (tosi id)
CREATE TABLE terminal_osi_save
                          INTEGER NOT NULL.
                                                                                               -- Unique database ID of terminal
 tosi id
 tosi mac
                          CHAR(16) NOT NULL,
                                                                                               -- mac address of terminal
                          SMALLINT NOT NULL,
                                                                                               -- 1 = reader has door sensors
 tosi door sensors
 tosi_update_interval
                          INTEGER NOT NULL,
                          CHAR(32) NOT NULL,
                                                                                               -- Site Name
 site
 tosi_guid
                                                                                               -- Global unique record identifier
                          uniqueidentifier NOT NULL,
 tosi checksum
                          INTEGER NOT NULL.
                                                                                               -- Record checksum
 tosi_channels
                          INTEGER,
                                                                                               -- Record channels
```

upd\_guid

uniqueidentifier NOT NULL,

-- Guid for update operation

### CREATE TABLE terminal\_p900

```
INTEGER REFERENCES terminal(tp_term_id)
tpp_id
                                    NOT FOR REPLICATION,
                                                                               -- Unique database ID of terminal
tpp_sys_addr
                                 CHAR(8),
                                                                               -- address
tpp_reader_interface_num
                                 SMALLINT.
                                                                               -- reader interface number
tpp_door_relay_type
                                                                               -- door relay time type
                                 SMALLINT,
tpp_door_control
                                 SMALLINT.
                                                                               -- door control 0: disable 1: enable
tpp_egress
                                 SMALLINT,
                                                                               -- egress 0: disable 1: enable 2: report
tpp_door_monitor_enable
                                                                               -- door monitoring enable, 0: disable 1: enable
                                 SMALLINT,
tpp_door_forced_alarm
                                 SMALLINT,
                                                                               -- door forced alarm. 0: disable 1: enable
tpp door forced warning
                                 SMALLINT.
                                                                               -- door forced warning, 0: disable 1: enable
tpp door open alarm
                                 SMALLINT,
                                                                               -- door open alarm, 0: disable 1: enable
tpp door open alarm delay
                                 SMALLINT,
                                                                               -- door open alarm delay 1-255(second)
tpp_door_open_warning
                                 SMALLINT,
                                                                               -- door open warning, 0: disable 1: enable
tpp_door_open_warning_delay
                                 SMALLINT,
                                                                               -- door open warning delay 1-255(second)
tpp_global_apb_status
                                 SMALLINT,
                                                                               -- global anti-passback status 0: disable 1: entry based
                                                                                 2: exit based 3: Shunt
tpp local apb status
                                 SMALLINT,
                                                                               -- local anti-passback status 0: disable 1: in reader 2: out reader
tpp_enter_zone
                                 INTEGER,
                                                                               -- entering zone
                                                                               -- exiting zone
tpp_exit_zone
                                 INTEGER,
                                 INTEGER REFERENCES terminal(tp_term_id)
tpp shunt terminal
                                    NOT FOR REPLICATION,
                                                                               -- shunt terminal 1-63
tpp timestamp
                                 DATETIME,
                                                                               -- time stamp
tpp time record
                                 SMALLINT,
                                                                               -- time record mode
tpp_pinpad_mode
                                 SMALLINT.
                                                                               -- pin pad mode 0: disable 1: type #1 2: type #2 3: type #3
                                                                               -- aux input tamper 0: disable 1: enable
tpp_aux_input_tamper
                                 SMALLINT,
tpp aux input monitor
                                 SMALLINT,
                                                                               -- aux input Monitor 0: disable 1: enable
tpp_aux_input_disable_tz
                                 INTEGER NULL REFERENCES timezone(tz id)
                                    NOT FOR REPLICATION,
                                                                               -- aux input disable time zone
tpp_aux_input_desp
                                                                               -- aux input description
                                 char(64).
tpp aux output control
                                 SMALLINT,
                                                                               -- aux output control 0: disable 1: enable
tpp_aux_op_under_pin
                                 SMALLINT,
                                                                               -- aux output under pin 0: disable 1: enable
tpp_aux_output_ctl_pin
                                 char(4),
                                                                               -- aux output control pin number
tpp_pin_check
                                 SMALLINT.
                                                                               -- under pin control or not
tpp_tz_check
                                 SMALLINT,
                                                                               -- using tz or not
tpp_aux_output_tz
                                 INTEGER NULL REFERENCES timezone(tz id)
                                    NOT FOR REPLICATION,
                                                                               -- aux output time zone
tpp_aux_output_desp
                                 char(64),
                                                                               -- aux output description
                                 SMALLINT.
                                                                               -- transaction trace mode 1: trace 2: seleted
tpp trace mode
                                 SMALLINT NOT NULL,
tpp selected
                                                                               -- selected or not
tpp_tamper_monitoring_door
                                 SMALLINT NOT NULL,
                                                                               -- tamper monitoring of door contact or not
tpp_tamper_monitoring_egress
                                 SMALLINT NOT NULL,
                                                                               -- tamper monitoring of egress contact or not
tpp_clic_pin
                                 char(4),
                                                                               -- clic pin number
                                 SMALLINT NOT NULL.
tpp_swipe_pin
                                                                               -- swipe pin data entry or not
                                 CHAR(32) NOT NULL,
site
                                                                               -- Site Name
tpp_guid
                                 uniqueidentifier ROWGUIDCOL UNIQUE
                                    NOT NULL,
                                                                               -- Global unique record identifier
                                 INTEGER NOT NULL,
                                                                               -- Record checksum
tpp_checksum
PRIMARY KEY
                                 (tpp_id)
CREATE INDEX
                                 tpp selected ON terminal p900(tpp selected);
```

### CREATE TABLE terminal\_p900\_save

INTEGER NOT NULL, -- Unique database ID of terminal tpp id tpp\_sys\_addr CHAR(8), -- address tpp\_reader\_interface\_num SMALLINT, -- reader interface number tpp\_door\_relay\_type SMALLINT, -- door relay time type tpp\_door\_control SMALLINT, -- door control 0: disable 1: enable tpp\_egress SMALLINT, -- egress 0: disable 1: enable 2: report tpp\_door\_monitor\_enable SMALLINT, -- door monitoring enable, 0: disable 1: enable  $tpp\_door\_forced\_alarm$ SMALLINT. -- door forced alarm, 0: disable 1: enable tpp\_door\_forced\_warning SMALLINT, -- door forced warning, 0: disable 1: enable -- door open alarm, 0: disable 1: enable tpp door open alarm SMALLINT, tpp\_door\_open\_alarm\_delay SMALLINT, -- door open alarm delay 1-255(second) tpp\_door\_open\_warning -- door open warning, 0: disable 1: enable SMALLINT. tpp\_door\_open\_warning\_delay SMALLINT, -- door open warning delay 1-255(second) tpp\_global\_apb\_status SMALLINT, -- global anti-passback status 0: disable 1: entry based 2: exit based 3: Shunt tpp\_local\_apb\_status SMALLINT, -- local anti-passback status 0: disable 1: in reader 2: out reader tpp\_enter\_zone INTEGER, -- entering zone tpp\_exit\_zone -- exiting zone INTEGER. tpp shunt terminal INTEGER, -- shunt terminal 1-63 tpp timestamp DATETIME, -- time stamp tpp\_time\_record SMALLINT, -- time record mode -- pin pad mode 0: disable 1: type #1 2: type #2 3: type #3 tpp\_pinpad\_mode SMALLINT, tpp\_aux\_input\_tamper SMALLINT. -- aux input tamper 0: disable 1: enable tpp aux input monitor SMALLINT, -- aux input Monitor 0: disable 1: enable tpp aux input disable tz INTEGER NULL, -- aux input disable time zone tpp\_aux\_input\_desp char(64), -- aux input description SMALLINT. -- aux output control 0: disable 1: enable tpp\_aux\_output\_control tpp\_aux\_op\_under\_pin SMALLINT, -- aux output under pin 0: disable 1: enable tpp aux output ctl pin char(4), -- aux output control pin number tpp\_pin\_check SMALLINT, -- under pin control or not SMALLINT, tpp tz check -- using tz or not INTEGER NULL,  $tpp\_aux\_output\_tz$ -- aux output time zone tpp\_aux\_output\_desp char(64), -- aux output description tpp trace mode SMALLINT, -- transaction trace mode 1: trace 2: seleted SMALLINT NOT NULL, tpp selected -- selected or not SMALLINT NOT NULL, -- tamper monitoring of door contact or not tpp\_tamper\_monitoring\_door SMALLINT NOT NULL, tpp tamper monitoring egress -- tamper monitoring of egress contact or not tpp\_clic\_pin char(4), -- clic pin number tpp\_swipe\_pin SMALLINT NOT NULL, -- swipe pin data entry or not site CHAR(32) NOT NULL, -- Site Name -- Global unique record identifier uniqueidentifier NOT NULL, tpp\_guid tpp\_checksum INTEGER NOT NULL, -- Record checksum upd guid uniqueidentifier NOT NULL, -- Guid for update operation upd mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) -- Date / Time of the update upd\_timestamp DATETIME NOT NULL, -- Checksum upd checksum INTEGER NOT NULL, uniqueidentifier ROWGUIDCOL DEFAULT upd rowguid newid() UNIQUE NOT NULL, -- Global unique record identifier PRIMARY KEY (tpp\_id, upd\_mode desc, upd\_guid) );

### CREATE TABLE terminal s321ip

(		
ts321ip_id	INTEGER REFERENCES terminal(tp_term_id)	
	NOT FOR REPLICATION,	Unique database ID of panel
ts321ip_reader_mode_not_io	TINYINT NOT NULL,	1 = reader enabled 0 = reader disabled
ts321ip_shunt_alarm_on_aux	TINYINT NOT NULL,	1 = shunt alarm on auxiliary access
ts321ip_moment_access	TINYINT NOT NULL,	1 = momentary aux access enabled
ts321ip_badge_id_allowed	TINYINT NOT NULL,	1 = badge number can be entered on key pad
ts321ip_card_hid_1000	TINYINT NOT NULL,	1 = HID corp 1000
ts321ip_card_ck_standard	TINYINT NOT NULL,	1 = Cardkey standard (aka Wiegand 34)

```
ts321ip card ck magstripe
                                  TINYINT NOT NULL,
                                                                                           -- 1 = cardkey mag stripe cards enabled
ts321ip_card_26_bit_sensor
                                  TINYINT NOT NULL,
                                                                                           -- 1 = sensor 26 bit cards enabled
                                                                                           -1 = \text{raw } 128 \text{ bit card format}
ts321ip_card_raw_128_bit
                                  TINYINT NOT NULL,
ts321ip_card_raw_128_bit_length
                                  TINYINT NOT NULL,
                                                                                           -- 0 - 128 bit length of raw 128 bit card
                                  INTEGER NOT NULL,
                                                                                           -- 0 - 99 used with security level to reset overrides
ts321ip override reset level
ts321ip_card_custom
                                  TINYINT NOT NULL,
                                                                                           -- 0 = no custom, 1 - 8 custom card format
                                                                                           -- Site Name
                                  CHAR(32) NOT NULL,
                                  uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
ts321ip_guid
                                                                                           -- Global unique record identifier
ts321ip checksum
                                  INTEGER NOT NULL,
                                                                                           -- Record checksum
PRIMARY KEY
                                  (ts321ip id)
```

### CREATE TABLE terminal\_s321ip\_save

```
ts321ip id
                                   INTEGER NOT NULL,
                                                                                    -- Unique database ID of terminal
 ts321ip_reader_mode_not_io
                                   TINYINT NOT NULL,
                                                                                    -1 = reader enabled 0 = reader disabled
                                                                                    -- 1 = shunt alarm on auxiliary access
 ts321ip_shunt_alarm_on_aux
                                   TINYINT NOT NULL,
 ts321ip_moment_access
                                   TINYINT NOT NULL,
                                                                                    -- 1 = momentary aux access enabled
 ts321ip badge id allowed
                                   TINYINT NOT NULL.
                                                                                    -1 = badge number can be entered on key pad
 ts321ip card hid 1000
                                                                                    -1 = HID corp 1000 enabled
                                   TINYINT NOT NULL,
 ts321ip card ck standard
                                   TINYINT NOT NULL,
                                                                                    -- 1 = Cardkey standard (aka Wiegand 34)
 ts321ip_card_ck_magstripe
                                   TINYINT NOT NULL,
                                                                                    -- 1 = cardkey mag stripe cards enabled
 ts321ip_card_26_bit_sensor
                                   TINYINT NOT NULL,
                                                                                    -- 1 = 26 bit sensor cards enabled
 ts321ip_card_raw_128_bit
                                   TINYINT NOT NULL.
                                                                                    -1 = 32 bit raw card format
 ts321ip_card_raw_128_bit_length
                                   TINYINT NOT NULL,
                                                                                    -- 0 - 128 bit length of raw 128 bit card
 ts321ip override reset level
                                   INTEGER NOT NULL,
                                                                                    -- 0 - 99 used with security level to reset overrides
 ts321ip_card_custom
                                   TINYINT NOT NULL,
                                                                                    -- 0 = no custom, 1 - 8 custom card format
                                                                                    -- Site Name
                                   CHAR(32) NOT NULL,
 ts321ip_guid
                                   uniqueidentifier NOT NULL,
                                                                                    -- Global unique record identifier
 ts321ip checksum
                                   INTEGER NOT NULL,
                                                                                    -- Record checksum
 upd guid
                                   uniqueidentifier NOT NULL,
                                                                                    -- Guid for update operation
                                                                                    -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
                                   SMALLINT NOT NULL,
 upd_timestamp
                                   DATETIME NOT NULL,
                                                                                    -- Date / Time of the update
 upd checksum
                                   INTEGER NOT NULL,
                                                                                    -- Checksum
 upd rowguid
                                   uniqueidentifier ROWGUIDCOL DEFAULT newid()
                                      UNIQUE NOT NULL,
                                                                                    -- Global unique record identifier
 PRIMARY KEY
                                   (ts321ip_id, upd_mode desc, upd_guid)
);
```

### CREATE TABLE terminal\_save

(		
tp term id	INTEGER NOT NULL,	unique terminal ID
tp term name	varchar(32) NOT NULL,	name of terminal
tp_model	SMALLINT NOT NULL,	terminal Model
tp_term_type	SMALLINT NOT NULL,	terminal type
tp_term_index	SMALLINT NOT NULL,	terminal index (0-15)
tp_partition	INTEGER,	ID of partition for this terminal
tp_public	SMALLINT NOT NULL,	publication
tp_panel_id	INTEGER NOT NULL,	panel id
tp_query_string	CHAR(64),	query string enter by user
tp_reader_flag	SMALLINT NOT NULL,	1 = terminal is a reader terminal
tp_input_flag	SMALLINT NOT NULL,	1 = terminal is an input terminal
tp_output_flag	SMALLINT NOT NULL,	1 = terminal is an output terminal
tp_enb_dis	SMALLINT NOT NULL,	1 = terminal is enabled
tp_term_tz	INTEGER NULL,	timezone ID when enabled (always if NULL)
tp_override_tz	INTEGER NULL,	timezone ID when override (always if NULL)
tp_pin_enable_flag	SMALLINT NOT NULL,	pin pad enable/disable
tp_pin_enable_tz	INTEGER NULL,	timezone ID when pin code suppressed (always if NULL)
tp_pin_disable_tz	INTEGER NULL,	pin pad disable time zone
tp_access_time	SMALLINT NOT NULL,	access time in secs (0-25)
tp_shunt_time	SMALLINT NOT NULL,	shunt time in secs (0-255)
tp_manual_rdr	SMALLINT NOT NULL,	1 = valid and unauthorized enabled

```
tp anti passback
                         SMALLINT NOT NULL,
                                                                            -- 1 = anti-passback enabled
 tp_anti_pb_time
                         SMALLINT NOT NULL,
                                                                            -- anti-passback time in mins (0-60)
                                                                            -- entry/exit time in secs (0-255)
 tp_ntr_xit_time
                         SMALLINT NOT NULL,
 tp soft inxit
                         SMALLINT NOT NULL,
                                                                            -- 1 = soft entry/exit enabled
 tp_access_modes
                         SMALLINT NOT NULL,
                                                                            -- access mode (0 = local, 1 = central, 2 = shared)
 tp_rd_timed_ovr
                         SMALLINT NOT NULL,
                                                                            -- 1 = cardholder override enabled
                                                                            -- 1 = door strike messages enabled
 tp_strike_stat_enb
                         SMALLINT,
 tp_output_stat_enb
                         SMALLINT
                                                                            -- 1 = output status messages enabled
 tp interlock enable
                         SMALLINT NOT NULL.
                                                                            -1 = allow action interlocks for this terminal
                         SMALLINT NOT NULL,
 tp rd override
                                                                            -- 1 = reader override enabled
 tp_cmd_seclevel
                         SMALLINT NOT NULL,
                                                                            -- 0 = not used. Last commanded security level value
 site
                         CHAR(32) NOT NULL,
                                                                            -- Site Name
                                                                            -- Global unique record identifier
                         uniqueidentifier NOT NULL,
 tp_guid
 tp_checksum
                         INTEGER NOT NULL.
                                                                            -- Record checksum
 upd guid
                         uniqueidentifier NOT NULL,
                                                                            -- Guid for update operation
 upd mode
                         SMALLINT NOT NULL,
                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                            -- Date / Time of the update
 upd_timestamp
                         DATETIME NOT NULL,
 upd checksum
                         INTEGER NOT NULL,
                                                                            -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd rowguid
                            UNIQUE NOT NULL,
                                                                            -- Global unique record identifier
 PRIMARY KEY
                         (tp_partition, tp_term_id, upd_mode desc, upd_guid)
);
CREATE TABLE term_pin_number
 tpn_term id
                         INTEGER REFERENCES terminal(tp term id) NOT FOR REPLICATION,
                                                                                                  -- terminal ID
 tpn_pin_id
                         INTEGER REFERENCES pin_number(pn_id) NOT FOR REPLICATION,
                                                                                                  -- pin ID
                                                                                                  -- Site Name
                         CHAR(32) NOT NULL,
 site
 tpn_guid
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                                  -- Global unique record identifier
 tpn checksum
                         INTEGER NOT NULL,
                                                                                                  -- Record checksum
 PRIMARY KEY
                         (tpn_term_id, tpn_pin_id)
CREATE TABLE term_pin_number_save
 tpn term id
                         INTEGER,
                                                                                              -- terminal ID
                                                                                              -- pin ID
 tpn_pin_id
                         INTEGER.
                         CHAR(32) NOT NULL,
                                                                                              -- Site Name
 site
                         uniqueidentifier NOT NULL,
                                                                                              -- Global unique record identifier
 tpn guid
                         INTEGER NOT NULL,
                                                                                              -- Record checksum
 tpn checksum
                                                                                              -- Guid for update operation
 upd_guid
                         uniqueidentifier NOT NULL,
 upd mode
                         SMALLINT NOT NULL,
                                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                         DATETIME NOT NULL,
                                                                                              -- Date / Time of the update
 upd_checksum
                         INTEGER NOT NULL,
                                                                                              -- Checksum
 upd rowguid
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 PRIMARY KEY
                         (tpn_term_id, tpn_pin_id, upd_mode desc, upd_guid)
CREATE TABLE timeattendanceterminals
                         INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
 tat id
                                                                                           -- unique database ID
                                                                                           -- Terminal Name
 terminal name
                         CHAR(32) UNIQUE NOT NULL,
                         SMALLINT NOT NULL,
                                                                                           -1 = \text{entry}, 0 = \text{exit}
 entryexit
 zone name
                         CHAR(32) NOT NULL,
                                                                                           -- Zone Name
 PRIMARY KEY
                         (tat id)
```

### **CREATE TABLE** timezone

(		
tz partition	INTEGER REFERENCES partition(part_number)	
	NOT FOR REPLICATION,	partition ID to which this timezone belongs
tz_public	SMALLINT,	1 = public, 0 = private
tz_id	INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,	unique ID for this timezone
tz_name	CHAR(32) NOT NULL,	timezone name
tz_init_stat_0	SMALLINT,	1 = monday initial status active
tz_init_stat_1	SMALLINT,	1 = tuesday initial status active
tz_init_stat_2	SMALLINT,	1 = wednesday initial status active
tz_init_stat_3	SMALLINT,	1 = thursday initial status active
tz_init_stat_4	SMALLINT,	1 = friday initial status active
tz_init_stat_5	SMALLINT,	1 = saturday initial status active
tz_init_stat_6	SMALLINT,	1 = sunday initial status active
tz_init_stat_7	SMALLINT,	1 = holiday 1 initial status active
tz_init_stat_8	SMALLINT,	1 = holiday 2 initial status active
tz_init_stat_9	SMALLINT,	1 = holiday 3 initial status active
tz_times_0_0	DATETIME,	monday time 1
tz_times_0_1	DATETIME,	monday time 2
tz_times_0_2	DATETIME,	monday time 3
tz_times_0_3	DATETIME,	monday time 4
tz_times_0_4	DATETIME,	monday time 5 monday time 6
tz_times_0_5 tz_times_0_6	DATETIME, DATETIME,	monday time 6
tz_times_0_0 tz_times_0_7	DATETIME, DATETIME,	monday time 8
tz_times_0_7 tz_times_0_8	DATETIME, DATETIME,	monday time 9
tz_times_0_9	DATETIME,	monday time 10
tz times 0 10	DATETIME,	monday time 11
tz times 0 11	DATETIME,	monday time 12
tz_times_0_12	DATETIME,	monday time 13
tz times 0 13	DATETIME,	monday time 14
tz_times_0_14	DATETIME,	monday time 15
tz times 0 15	DATETIME,	monday time 16
tz times 0 16	DATETIME,	monday time 17
tz_times_0_17	DATETIME,	monday time 18
tz_times_0_18	DATETIME,	monday time 19
tz_times_1_0	DATETIME,	tuesday time 1
tz_times_1_1	DATETIME,	tuesday time 2
tz_times_1_2	DATETIME,	tuesday time 3
tz_times_1_3	DATETIME,	tuesday time 4
tz_times_1_4	DATETIME,	tuesday time 5
tz_times_1_5	DATETIME,	tuesday time 6
tz_times_1_6	DATETIME,	tuesday time 7
tz_times_1_7	DATETIME,	tuesday time 8
tz_times_1_8	DATETIME,	tuesday time 9 tuesday time 10
tz_times_1_9 tz_times_1_10	DATETIME, DATETIME,	tuesday time 10
tz_times_1_10 tz_times_1_11	DATETIME,	tuesday time 12
tz_times_1_11 tz_times_1_12	DATETIME,	tuesday time 13
tz_times_1_13	DATETIME,	tuesday time 14
tz_times_1_14	DATETIME,	tuesday time 15
tz times 1 15	DATETIME,	tuesday time 16
tz_times_1_16	DATETIME,	tuesday time 17
tz_times_1_17	DATETIME,	tuesday time 18
tz_times_1_18	DATETIME,	tuesday time 19
tz_times_2_0	DATETIME,	Wednesday time 1
tz_times_2_1	DATETIME,	Wednesday time 2
tz_times_2_2	DATETIME,	Wednesday time 3
tz_times_2_3	DATETIME,	Wednesday time 4
tz_times_2_4	DATETIME,	Wednesday time 5
tz_times_2_5	DATETIME,	Wednesday time 6
tz_times_2_6	DATETIME,	Wednesday time 7
tz_times_2_7	DATETIME,	Wednesday time 8
tz_times_2_8	DATETIME,	Wednesday time 9

tz_times_2_9	DATETIME,	Wednesday time 10
tz_times_2_10	DATETIME,	Wednesday time 11
tz_times_2_11	DATETIME,	Wednesday time 12
tz_times_2_12	DATETIME,	Wednesday time 13
tz_times_2_13	DATETIME,	Wednesday time 14
tz_times_2_14	DATETIME,	Wednesday time 15
tz_times_2_15	DATETIME,	Wednesday time 16
tz_times_2_16	DATETIME,	Wednesday time 17
tz_times_2_17	DATETIME,	Wednesday time 18
tz_times_2_18	DATETIME,	Wednesday time 19
tz_times_3_0	DATETIME,	Thursday time 1
tz_times_3_1	DATETIME,	Thursday time 2
tz_times_3_2	DATETIME,	Thursday time 3
tz_times_3_3	DATETIME,	Thursday time 4
tz_times_3_4	DATETIME,	Thursday time 5
tz_times_3_5	DATETIME,	Thursday time 6
tz_times_3_6	DATETIME,	Thursday time 7
tz_times_3_7	DATETIME,	Thursday time 8
tz_times_3_8	DATETIME,	Thursday time 9
tz_times_3_9	DATETIME,	Thursday time 10
tz_times_3_10	DATETIME,	Thursday time 11
tz_times_3_11	DATETIME,	Thursday time 12
tz_times_3_12	DATETIME,	Thursday time 13
tz_times_3_13	DATETIME,	Thursday time 14
tz_times_3_14	DATETIME,	Thursday time 15
tz_times_3_15	DATETIME,	Thursday time 16
tz_times_3_16	DATETIME,	Thursday time 17
tz_times_3_17	DATETIME,	Thursday time 18
tz_times_3_18	DATETIME,	Thursday time 19
tz_times_4_0	DATETIME,	Friday time 1 Friday time 2
tz_times_4_1 tz_times_4_2	DATETIME,	Friday time 2
	DATETIME,	Friday time 4
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tz_times_4_17	DATETIME,	Friday time 18
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tz_times_9_16	DATETIME,	Holiday 3 time 17
tz_times_9_17	DATETIME,	Holiday 3 time 18
tz_times_9_18	DATETIME,	Holiday 3 time 19
site	CHAR(32) NOT NULL,	Site Name
tz_guid	uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,	Global unique record identifier
tz_checksum	INTEGER NOT NULL,	Record checksum
PRIMARY KEY	(tz_partition, tz_id)	
);		
CREATE INDEX	tz_public ON timezone ( tz_public );	
CREATE UNIQUE IN	NDEX tz_site_name ON timezone (site, tz_name);	

### CREATE TABLE timezone\_save

CREATE TABLE	timezone_save	
(		
tz_partition	INTEGER,	partition ID to which this timezone belongs
tz_public	SMALLINT,	-1 = public, 0 = private
tz_id	INTEGER NOT NULL,	unique ID for this timezone
tz_name	CHAR(32) NOT NULL,	timezone name
tz_init_stat_0	SMALLINT,	1 = monday initial status active
tz_init_stat_1	SMALLINT,	1 = tuesday initial status active
tz_init_stat_2	SMALLINT,	1 = wednesday initial status active
tz_init_stat_3	SMALLINT,	1 = thursday initial status active
tz_init_stat_4	SMALLINT,	1 = friday initial status active
tz_init_stat_5	SMALLINT,	1 = saturday initial status active
tz_init_stat_6	SMALLINT,	1 = sunday initial status active
tz_init_stat_7	SMALLINT,	1 = holiday 1 initial status active
tz_init_stat_8	SMALLINT,	1 = holiday 2 initial status active
tz_init_stat_9	SMALLINT,	1 = holiday 3 initial status active
tz_times_0_0	DATETIME,	monday time 1
tz_times_0_1	DATETIME,	monday time 2
tz_times_0_2	DATETIME,	monday time 3
tz_times_0_3	DATETIME,	monday time 4
tz_times_0_4	DATETIME,	monday time 5
tz_times_0_5	DATETIME,	monday time 6
tz_times_0_6	DATETIME,	monday time 7
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tz_times_0_12	DATETIME,	monday time 13
tz_times_0_13	DATETIME,	monday time 14
tz_times_0_14	DATETIME,	monday time 15
tz_times_0_15	DATETIME,	monday time 16
tz_times_0_16	DATETIME,	monday time 17
tz_times_0_17	DATETIME,	monday time 18
tz_times_0_18	DATETIME,	monday time 19
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tz_times_1_1	DATETIME,	tuesday time 2
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tz_times_1_5	DATETIME,	tuesday time 6
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tz_times_1_17	DATETIME,	tuesday time 18
tz_times_1_18	DATETIME,	tuesday time 19
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tz_times_8_1 DATETIME, Holiday 2 time 2 tz_times_8_2 DATETIME, Holiday 2 time 3			
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tz_times_8_3 DATETIME, Holiday 2 time 4			· · · · · · · · · · · · · · · · · · ·
	ız_umes_8_3	DALETIME,	Holiday 2 time 4

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tz times 8 4
                          DATETIME,
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 tz_times_8_5
                          DATETIME,
                                                                               -- Holiday 2 time 6
                          DATETIME,
 tz_times_8_6
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 tz times 8 7
                          DATETIME,
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 tz_times_8_8
                          DATETIME,
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 tz_times_8_9
                          DATETIME,
                                                                               -- Holiday 2 time 10
 tz\_times\_8\_10
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                          DATETIME,
 tz_times_8_11
                          DATETIME,
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 tz times 8 12
                          DATETIME,
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 tz times 8 13
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 tz_times_8_14
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 tz_times_8_15
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 tz_times_8_16
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 tz times 8 17
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 tz times 8 18
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 tz_times_9_0
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 tz_times_9_5
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 tz_times_9_11
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                          DATETIME,
 tz times 9 12
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 tz times 9 13
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                          DATETIME,
 tz_times_9_14
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 tz times 9 15
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 tz_times_9_16
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                          DATETIME,
 tz_times_9_17
                                                                               -- Holiday 3 time 18
                          DATETIME,
 tz_times_9_18
                          DATETIME,
                                                                               -- Holiday 3 time 19
                          CHAR(32) NOT NULL,
                                                                               -- Site Name
                                                                               -- Global unique record identifier
 tz_guid
                          uniqueidentifier NOT NULL,
 tz checksum
                                                                               -- Record checksum
                          INTEGER NOT NULL,
 upd_guid
                          uniqueidentifier NOT NULL,
                                                                               -- Guid for update operation
 upd_mode
                          SMALLINT NOT NULL,
                                                                               -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd\_timestamp
                          DATETIME NOT NULL,
                                                                               -- Date / Time of the update
 upd_checksum
                          INTEGER NOT NULL,
                                                                               -- Checksum
                          uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                                                                               -- Global unique record identifier
                             UNIQUE NOT NULL,
 PRIMARY KEY
                          (tz_partition, tz_id, upd_mode desc, upd_guid)
);
CREATE TABLE tour_configuration
```

per)
partition ID to which this tour belongs
-1 = tour is public, $0$ = tour is private
ON UNIQUE, unique database ID
user entered name
tour type. 0 - Manual, 1-AutoForward,
2-AutoReverse, 3-Random, 4-ManualForward,
5-ManualReverse
tour priority
assigned timezone
timezone name
defined start time
abort time or run time for Random tours
alarm priority

	tc_tour_guard1	INTEGER,	selected guard
	tc tour guard1 name	CHAR(52),	guard name
	tc_guard_badge_id1	CHAR(32),	badge id
	tc_tour_guard2	INTEGER,	Č
	tc_tour_guard2_name	CHAR(52),	
	tc_guard_badge_id2	CHAR(32),	
	tc tour guard3	INTEGER,	
	tc_tour_guard3_name	CHAR(52),	
	tc guard badge id3	CHAR(32),	
	tc alarm late	SMALLINT,	set alarm if tour is late
	tc_auto_duress_alrarm	SMALLINT,	generate duress alarm if three check-ins at the
	to_uuto_uuross_unurm	Similari,	same station in one minute
	tc log oper action	SMALLINT,	log operator actions
	tc_log_tour_oper	SMALLINT,	log tour operations
	tc_any_guard	SMALLINT,	whether any guard can run this tour
	tc_manual_reset	SMALLINT,	whether manual reset
	tc alarm skip	SMALLINT,	set alarm if station is skipped
	tc popup on late alarm	SMALLINT NOT NULL,	0 = do not pop up, 1 = pop up on alarm,
	te_popup_on_late_alaim	SMALLINI NOT NOLL,	2 = pop up on secure, 3 = pop up on both
	tc_popup_on_out_of_seq_alarm	SMALLINT NOT NULL,	Same for the late alarm
	tc_popup_on_duress_alarm	SMALLINT NOT NULL,	Same for the late alarm
	tc_late_alarm_text_set_id		Same for the late alarm
	tc_late_alami_text_set_ld	INTEGER NULL REFERENCES alrminst(ai_id)	late alarm set instruction text ID if not null
	4- 1-41 44 14	NOT FOR REPLICATION,	late alarm set instruction text ID if not null
	tc_late_alarm_text_sec_id	INTEGER NULL REFERENCES alrminst(ai_id)	
		NOT FOR REPLICATION,	late alarm secure instruction text
	tc_out_of_seq_alarm_text_set_id	INTEGER NULL REFERENCES alrminst(ai_id)	
		NOT FOR REPLICATION,	Same for the late alarm
	tc_out_of_seq_alarm_text_sec_id	INTEGER NULL REFERENCES alrminst(ai_id)	
		NOT FOR REPLICATION,	Etc.
	tc_duress_alarm_text_set_id	INTEGER NULL REFERENCES alrminst(ai_id)	
		NOT FOR REPLICATION,	Same for the late alarm
	tc_duress_alarm_text_sec_id	INTEGER NULL REFERENCES alrminst(ai_id)	
		NOT FOR REPLICATION,	Etc
	tc_grant_only	SMALLINT,	take grant messages only or not
	site	CHAR(32) NOT NULL,	Site Name
	tc_guid	uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,	Global unique record identifier
	tc_checksum	INTEGER NOT NULL,	Record checksum
	PRIMARY KEY	(tc_partition, tc_tour_id)	
);	,		
	CREATE UNIQUE INDEX	tc_site_name ON tour_configuration (site, tc_tour_name);	

## CREATE TABLE tour\_configuration\_save

ONLAIL IABLE (O	ai_ooiiiigaiaaloii_oavo	
(		
tc_partition	INTEGER,	partition ID to which this tour belongs
tc_public	SMALLINT,	1 = tour is public, 0 = tour is private
tc_tour_id	INTEGER NOT NULL,	unique database ID
tc_tour_name	CHAR(32) NOT NULL,	user entered name
tc_description	CHAR(64),	
tc_type	SMALLINT NOT NULL,	tour type. 0 - Manual, 1-AutoForward, 2-AutoReverse,
		3-Random, 4-ManualForward, 5-ManualReverse
tc_priority	SMALLINT NOT NULL,	tour priority
tc_time_zone	INTEGER,	assigned timezone
tc_time_zone_name	CHAR(32),	timezone name
tc_start_time	DATETIME,	defined start time
tc_abort_run_time	INTEGER,	abort time or run time for Random tours
tc_alarm_priority	INTEGER,	alarm priority
tc_tour_guard1	INTEGER,	selected guard
tc_tour_guard1_name	CHAR(52),	guard name
tc_guard_badge_id1	CHAR(32),	badge id
tc_tour_guard2	INTEGER,	
tc_tour_guard2_name	CHAR(52),	
tc_guard_badge_id2	CHAR(32),	
tc_tour_guard3	INTEGER,	

```
tc tour guard3 name
                                 CHAR(52),
 tc_guard_badge_id3
                                 CHAR(32),
 tc alarm late
                                 SMALLINT.
                                                                              -- set alarm if tour is late
 tc auto duress alrarm
                                 SMALLINT,
                                                                              -- generate duress alarm if three check-ins at the same station in
                                                                                one minute
 tc_log_oper_action
                                 SMALLINT,
                                                                              -- log operator actions
                                                                             -- log tour operations
 tc_log_tour_oper
                                 SMALLINT,
 tc_any_guard
                                 SMALLINT.
                                                                              -- whether any guard can run this tour
 tc manual reset
                                 SMALLINT.
                                                                              -- whether manual reset
                                                                              -- set alarm if station is skipped
 te alarm skip
                                 SMALLINT,
 tc_popup_on_late_alarm
                                 SMALLINT NOT NULL,
                                                                              -- 0 = do not pop up, 1 = pop up on alarm,
                                                                                2 = pop up on secure, 3 = pop up on both
                                 SMALLINT NOT NULL,
                                                                              -- Same for the late alarm
 tc_popup_on_out_of_seq_alarm
                                                                              -- Same for the late alarm
 tc_popup_on_duress_alarm
                                 SMALLINT NOT NULL.
                                                                              -- late alarm set instruction text ID if not null
 tc late alarm text set id
                                 INTEGER NULL,
 tc_late_alarm_text_sec_id
                                 INTEGER NULL,
                                                                              -- late alarm secure instruction text
 -- Same for the late alarm
                                                                             -- Etc.
 tc_out_of_seq_alarm_text_sec_id INTEGER NULL,
 tc duress alarm text set id
                                 INTEGER NULL,
                                                                              -- Same for the late alarm
 tc duress alarm text sec id
                                 INTEGER NULL,
                                                                              -- Etc
 tc_grant_only
                                 SMALLINT,
                                                                              -- take grant messages only or not
                                 CHAR(32) NOT NULL,
                                                                              -- Site Name
 site
                                 uniqueidentifier NOT NULL,
                                                                              -- Global unique record identifier
 tc_guid
 tc checksum
                                 INTEGER NOT NULL,
                                                                              -- Record checksum
 upd guid
                                 uniqueidentifier NOT NULL,
                                                                              -- Guid for update operation
                                 SMALLINT NOT NULL,
                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
                                                                             -- Date / Time of the update
                                 DATETIME NOT NULL,
 upd_timestamp
 upd checksum
                                 INTEGER NOT NULL,
                                                                              -- Checksum
                                 uniqueidentifier ROWGUIDCOL DEFAULT
 upd rowguid
                                    newid() UNIQUE NOT NULL,
                                                                              -- Global unique record identifier
 PRIMARY KEY
                                 (tc partition, tc tour id, upd mode desc, upd guid)
);
CREATE TABLE tour note
 tn id
                          INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY,
                          CHAR(32) NULL,
 tn_tour_name
 tn text
                          CHAR(255) NULL,
                          CHAR(33) NULL,
 tn username
 tn_timestamp
                          DATETIME NULL,
 site
                          CHAR(32) NOT NULL,
                                                                                            -- Site Name
                                                                                            -- Global unique record identifier
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 tn_guid
                          INTEGER NOT NULL,
 tn checksum
                                                                                            -- Record checksum
 CREATE INDEX
                          tn_tour_name ON tour_note (tn_tour_name);
 CREATE INDEX
                          tn_timestamp ON tour_note (tn_timestamp);
CREATE TABLE tour station configuration
 tsc_tour_id
                               INTEGER REFERENCES tour_configuration (tc_tour_id)
                                                                                        -- tour id this station belongs to
                                  NOT FOR REPLICATION,
 tsc_sequence_num
                               INTEGER NOT NULL,
                                                                                        -- sequence number
 tsc station name
                               CHAR(32) NOT NULL,
                                                                                        -- user entered name
 tsc description
                               CHAR(64),
 tsc_type
                               SMALLINT NOT NULL,
                                                                                        -- station type. 0-Input, 1-Reader
 tsc_device_id
                                                                                        -- the input or terminal id this station is assigned
                               INTEGER.
 tsc device name
                               CHAR(32),
 tsc server type
                               SMALLINT.
                                                                                        -- server type
 tsc server id
                               CHAR(32),
                                                                                        -- server id
 tsc_next_min_timer
                               INTEGER,
                                                                                        -- the min time to reach this station forwardly
 tsc_next_max_timer
                               INTEGER,
                                                                                        -- the max time to reach this station forwardly
 tsc_prev_min_timer
                               INTEGER,
                                                                                        -- the min time to reach this station backwardly
```

tsc_prev_max_timer	INTEGER,	the max time to reach this station backwardly
tsc_input_object_id	INTEGER,	the suppress input id
tsc_input_object_name	CHAR(32),	the suppress input name
tsc_input_object_type	SMALLINT,	the suppress type. 0-input point, 1-input group
tsc_input_object_attr	SMALLINT,	the suppress input attribute
tsc_output_object_id1	INTEGER,	the shunt output id
tsc_output_object_name1	CHAR(32),	the shunt output name
tsc_output_object_type1	SMALLINT,	the shunt type. 0-output point, 1-output group
tsc_output_object_attr1	SMALLINT,	the shunt output attribute
tsc_output_object_value1	INTEGER,	the shunt output value
tsc_output_object_id2	INTEGER,	
tsc_output_object_name2	CHAR(32),	
tsc_output_object_type2	SMALLINT,	
tsc_output_object_attr2	SMALLINT,	
tsc_output_object_value2	INTEGER,	
tsc_output_object_id3	INTEGER,	
tsc_output_object_name3	CHAR(32),	
tsc_output_object_type3	SMALLINT,	
tsc_output_object_attr3	SMALLINT,	
tsc_output_object_value3	INTEGER,	
tsc_output_object_id4	INTEGER,	
tsc_output_object_name4	CHAR(32),	
tsc_output_object_type4	SMALLINT,	
tsc_output_object_attr4	SMALLINT,	
tsc_output_object_value4	INTEGER,	
site	CHAR(32) NOT NULL,	Site Name
tsc_guid	uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,	Global unique record identifier
tsc_checksum	INTEGER NOT NULL,	Record checksum
PRIMARY KEY	(tsc_tour_id, tsc_sequence_num)	
);		
CREATE INDEX	tsc_tour_id ON tour_station_configuration (tsc_tour_id);	
CREATE INDEX	tsc_station_name ON tour_station_configuration (tsc_station_	name);

### CREATE TABLE tour\_station\_configuration\_save

(		
tsc_tour_id	INTEGER,	tour id this station belongs to
tsc_sequence_num	INTEGER NOT NULL,	sequence number
tsc_station_name	CHAR(32) NOT NULL,	user entered name
tsc_description	CHAR(64),	
tsc_type	SMALLINT NOT NULL,	station type. 0-Input, 1-Reader
tsc_device_id	INTEGER,	the input or terminal id this station is assigned
tsc_device_name	CHAR(32),	
tsc_server_type	SMALLINT,	server type
tsc_server_id	CHAR(32),	server id
tsc_next_min_timer	INTEGER,	the min time to reach this station forwardly
tsc_next_max_timer	INTEGER,	the max time to reach this station forwardly
tsc_prev_min_timer	INTEGER,	the min time to reach this station backwardly
tsc_prev_max_timer	INTEGER,	the max time to reach this station backwardly
tsc_input_object_id	INTEGER,	the suppress input id
tsc_input_object_name	CHAR(32),	the suppress input name
tsc_input_object_type	SMALLINT,	the suppress type. 0-input point, 1-input group
tsc_input_object_attr	SMALLINT,	the suppress input attribute
tsc_output_object_id1	INTEGER,	the shunt output id
tsc_output_object_name1	CHAR(32),	the shunt output name
tsc_output_object_type1	SMALLINT,	the shunt type. 0-output point, 1-output group
tsc_output_object_attr1	SMALLINT,	the shunt output attribute
tsc_output_object_value1	INTEGER,	the shunt output value
tsc_output_object_id2	INTEGER,	
tsc_output_object_name2	CHAR(32),	
tsc_output_object_type2	SMALLINT,	
tsc_output_object_attr2	SMALLINT,	
tsc_output_object_value2	INTEGER,	
tsc_output_object_id3	INTEGER,	

```
tsc output object name3
                                CHAR(32),
 tsc_output_object_type3
                                SMALLINT,
 tsc_output_object_attr3
                                SMALLINT,
 tsc_output_object_value3
                                INTEGER,
 tsc_output_object_id4
                                INTEGER,
 tsc_output_object_name4
                                CHAR(32),
 tsc_output_object_type4
                                SMALLINT,
 tsc_output_object_attr4
                                SMALLINT,
 tsc_output_object_value4
                                INTEGER.
                                CHAR(32) NOT NULL,
 site
                                                                                       -- Site Name
 tsc_guid
                                uniqueidentifier NOT NULL,
                                                                                       -- Global unique record identifier
 tsc_checksum
                                INTEGER NOT NULL,
                                                                                        -- Record checksum
 upd_guid
                                uniqueidentifier NOT NULL,
                                                                                       -- Guid for update operation
 upd mode
                                SMALLINT NOT NULL.
                                                                                        -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                                DATETIME NOT NULL,
                                                                                        -- Date / Time of the update
 upd_checksum
                                INTEGER NOT NULL,
                                                                                        -- Checksum
                                uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                                                                                        -- Global unique record identifier
                                   UNIQUE NOT NULL,
 PRIMARY KEY
                                (tsc tour id, tsc sequence num, upd mode desc, upd guid)
);
CREATE TABLE tour_status
 ts_tour_id
                          INTEGER REFERENCES tour_configuration (tc_tour_id)
                             NOT FOR REPLICATION,
 ts tour status
                          SMALLINT NOT NULL,
                                                                                    -- tour status
 ts_start_time
                          DATETIME.
                                                                                    -- start time
                          SMALLINT NOT NULL,
                                                                                    -- direction of the running tour, 0 - forward, 1 - reverse,
 ts_direction
                                                                                      2 - random
 ts last station
                          INTEGER,
                                                                                    -- last check-in station
 ts_last_station_time
                          DATETIME,
                                                                                    -- last check-in time
                          INTEGER,
                                                                                    -- the remaining time to reach the next station
 ts remain time
 ts_guard_name
                          CHAR(52),
                                                                                    -- guard name
 ts_guard_badge id
                          CHAR(32),
                                                                                    -- guard badge id
 ts starting station
                          INTEGER,
                                                                                    -- start station
 ts last status
                          SMALLINT,
                                                                                    -- the previous tour status
                                                                                    -- the alarmed station
 ts_alarm_station
                          INTEGER,
                                                                                    -- the operator who makes the action
 ts_operator
                          CHAR(32),
                          CHAR(32) NOT NULL,
 site
                                                                                    -- Site Name
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
 ts_guid
                                                                                    -- Global unique record identifier
 ts checksum
                          INTEGER NOT NULL,
                                                                                    -- Record checksum
 PRIMARY KEY
                          (ts_tour_id)
);
CREATE TABLE trigger_event_p900
                                  INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
 tep_id
                                                                                              -- Unique trigger event ID
                                  varchar(32),
                                                                                              -- the trigger event name.
 tep name
 tep number
                                  SMALLINT,
                                                                                              -- trigger event number
 tep_status
                                  SMALLINT NOT NULL,
                                                                                              -- trigger event status
 tep_selected
                                  SMALLINT,
                                                                                              -- trigger event selected or not
 tep_source_type
                                  INTEGER,
                                                                                              -- source event type
 tep source id
                                  INTEGER.
                                                                                              -- source event terminal ID
 tep source para1
                                  INTEGER,
                                                                                              -- source event site code
 tep_source_para2
                                  INTEGER,
                                                                                              -- source event access level
                                                                                              -- source event card number
 tep_source_para3
                                  INTEGER,
                                  INTEGER NULL REFERENCES flag_p900(flp_id)
 tep_source_flag1
                                     NOT FOR REPLICATION,
                                                                                              -- source event flag #1
 tep source flag1 state
                                                                                              -- state of source event flag #1
                                  SMALLINT,
                                  INTEGER NULL REFERENCES flag_p900(flp_id)
 tep source flag2
                                     NOT FOR REPLICATION,
                                                                                              -- source event flag #2
 tep_source_flag2_state
                                  SMALLINT,
                                                                                              -- state of source event flag #2
```

tep_source_counter	INTEGER NULL REFERENCES counter_p900(cp_id)	
	NOT FOR REPLICATION,	source counter
tep_source_counter_state	SMALLINT,	counter trigger condition
tep_source_counter_value	INTEGER,	counter current value
tep_time_zone	INTEGER NULL REFERENCES timezone(tz_id)	
	NOT FOR REPLICATION,	time zone
tep_time_zone_state	SMALLINT,	time zone enable/disable
tep_input_action	INTEGER,	input action
tep_input_id	INTEGER NULL REFERENCES input(ip_point_id)	
	NOT FOR REPLICATION,	input address
tep_input_group_id	INTEGER NULL REFERENCES inputgrp(ip_group_id)	
	NOT FOR REPLICATION,	input number
tep_output_action	INTEGER,	output action
tep_output_id	INTEGER NULL REFERENCES output(op_output_id)	
	NOT FOR REPLICATION,	output address
tep_output_group_id	INTEGER NULL REFERENCES outputgrp(op_group_id)	_
	NOT FOR REPLICATION,	output number
tep_output_flag1	INTEGER NULL REFERENCES flag_p900(flp_id)	
	NOT FOR REPLICATION,	output flag1
tep_output_flag1_state	SMALLINT,	state of output flag1
tep_output_flag2	INTEGER NULL REFERENCES flag_p900(flp_id)	
	NOT FOR REPLICATION,	output flag2
tep_output_flag2_state	SMALLINT,	state of output flag2
tep_output_counter	INTEGER NULL REFERENCES counter_p900(cp_id)	
	NOT FOR REPLICATION,	output counter
tep_output_counter_state	SMALLINT,	state of output couneter
tep_output_counter_value	INTEGER,	value of output couneter
tep_input_sp_value	INTEGER,	shunt period value
tep_output_pp_value	INTEGER,	pulse period value
tep_report_priority	SMALLINT,	priority of report message
tep_terminal_id_for_card_number	INTEGER NULL REFERENCES terminal(tp_term_id)	
	NOT FOR REPLICATION,	terminal ID for report card number
tep_force_reconfig	SMALLINT,	1- force 0- no force
tep_action1	INTEGER NULL REFERENCES alrminst(ai_id)	
	NOT FOR REPLICATION,	automatic alarm action #1
tep_query_string	CHAR(64),	query string enter by user
tep_partition	INTEGER REFERENCES partition(part_number)	
	NOT FOR REPLICATION,	ID of partition for this trigger event
tep_public	SMALLINT NOT NULL,	open to punlic
tep_panel_id	INTEGER NOT NULL REFERENCES panel(p_panel_id)	
	NOT FOR REPLICATION,	Panel ID
tep_alarm_popup	SMALLINT,	alarm instruction pop up, 1: yes, 0: No
site	CHAR(32) NOT NULL,	Site Name
tep_guid	uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,	Global unique record identifier
tep_checksum	INTEGER NOT NULL,	Record checksum
PRIMARY KEY	(tep_partition, tep_id)	
);		
CREATE INDEX	tep_public ON trigger_event_p900(tep_public);	
CREATE UNIQUE INDEX	tep_number ON trigger_event_p900(tep_number, tep_panel	_id);
CREATE UNIQUE INDEX	tep_site_name ON trigger_event_p900 (site, tep_name);	
CREATE TABLE trigger_e	vent_p900_save	
(		
tep_id	INTEGER NOT NULL,	Unique trigger event ID
tep_name	varchar(32),	the trigger event name.
tep_number	SMALLINT,	trigger event number
tep_status	SMALLINT NOT NULL,	trigger event status
tep_selected	SMALLINT,	trigger event selected or not
tep_source_type	INTEGER,	source event type
tep_source_id	INTEGER,	source event terminal ID
tep_source_para1	INTEGER,	source event site code
tep source para2	INTEGER	source event access level

 $tep\_source\_para2$ 

 $tep\_source\_para3$ 

INTEGER,

INTEGER,

-- source event access level

-- source event card number

tep_source_flag1	INTEGER NULL,	source event flag #1
tep_source_flag1_state	SMALLINT,	state of source event flag #1
tep_source_flag2	INTEGER NULL,	source event flag #2
tep_source_flag2_state	SMALLINT,	state of source event flag #2
tep_source_counter	INTEGER NULL,	source counter
tep_source_counter_state	SMALLINT,	counter trigger condition
tep_source_counter_value	INTEGER,	counter current value
tep_time_zone	INTEGER NULL,	time zone
tep_time_zone_state	SMALLINT,	time zone enable/disable
tep_input_action	INTEGER,	input action
tep_input_id	INTEGER NULL,	input address
tep_input_group_id	INTEGER NULL,	input number
tep_output_action	INTEGER,	output action
tep_output_id	INTEGER NULL,	output address
tep_output_group_id	INTEGER NULL,	output number
tep_output_flag1	INTEGER NULL,	output flag1
tep_output_flag1_state	SMALLINT,	state of output flag1
tep_output_flag2	INTEGER NULL,	output flag2
tep_output_flag2_state	SMALLINT,	state of output flag2
tep_output_counter	INTEGER NULL,	output counter
tep_output_counter_state	SMALLINT,	state of output couneter
tep_output_counter_value	INTEGER,	value of output couneter
tep_input_sp_value	INTEGER,	shunt period value
tep_output_pp_value	INTEGER,	pulse period value
tep_report_priority	SMALLINT,	priority of report message
tep_terminal_id_for_card_number	INTEGER NULL,	terminal ID for report card number
tep_force_reconfig	SMALLINT,	1- force 0- no force
tep_action1	INTEGER NULL,	automatic alarm action #1
tep_query_string	CHAR(64),	query string enter by user
tep_partition	INTEGER,	ID of partition for this trigger event
tep_public	SMALLINT NOT NULL,	open to punlic
tep_panel_id	INTEGER NOT NULL,	Panel ID
tep_alarm_popup	SMALLINT,	alarm instruction pop up, 1: yes, 0: No
site	CHAR(32) NOT NULL,	Site Name
tep_guid	uniqueidentifier NOT NULL,	Global unique record identifier
tep_checksum	INTEGER NOT NULL,	Record checksum
upd_guid	uniqueidentifier NOT NULL,	Guid for update operation
upd_mode	SMALLINT NOT NULL,	Update mode (0 - delete, 1 - edit, 2 - new)
upd_timestamp	DATETIME NOT NULL,	Date / Time of the update
upd_checksum	INTEGER NOT NULL,	Checksum
upd_rowguid	uniqueidentifier ROWGUIDCOL DEFAULT newid()	
	UNIQUE NOT NULL,	Global unique record identifier
PRIMARY KEY	(tep_partition, tep_id, upd_mode desc, upd_guid)	
);		
CREATE TABLE trigger_lin	ık_p900	
(		
	TEGER IDENTITY NOT FOR REPLICATION UNIQUE,	unique ID
	rchar(32),	the link name.
	MALLINT NOT NULL,	enable
tlp_source_panel IN	ITEGER NOT NULL REFERENCES panel(p_panel_id) NOT FOR REPLICATION,	source controller
tlp source event IN	TEGER NOT NULL REFERENCES trigger event p900(teg	
ap_source_creat	NOT FOR REPLICATION,	source event
the doctination named IN	TEGED NOT NULL DEEEDENCES panel(n. panel. id)	source event

INTEGER NOT NULL REFERENCES panel(p\_panel\_id)

INTEGER REFERENCES partition(part\_number)

INTEGER NOT NULL REFERENCES trigger\_event\_p900(tep\_id)

NOT FOR REPLICATION,

NOT FOR REPLICATION,

NOT FOR REPLICATION,

SMALLINT NOT NULL,

CHAR(32) NOT NULL,

CHAR(64),

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 $tlp\_destination\_panel$ 

 $tlp\_destination\_event$ 

 $tlp\_query\_string$ 

tlp\_partition

 $tlp\_public$ 

site

-- destination controller -- query string enter by user

-- ID of partition for this counter

-- destination event

-- open to punlic

-- Site Name

```
uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                              -- Global unique record identifier
 tlp guid
 tlp_checksum
                              INTEGER NOT NULL,
                                                                                              -- Record checksum
 PRIMARY KEY
                              (tlp_partition, tlp_id)
 CREATE INDEX
                              tlp_public ON trigger_link_p900(tlp_public);
 CREATE UNIQUE INDEX
                              tlp_site_name ON trigger_link_p900 (site, tlp_name);
CREATE TABLE trigger_link_p900_save
                         INTEGER NOT NULL,
 tlp_id
                                                                                             -- unique ID
                                                                                             -- the link name.
 tlp name
                         varchar(32),
                         SMALLINT NOT NULL,
 tlp_enable
                                                                                             -- enable
 tlp_source_panel
                         INTEGER NOT NULL,
                                                                                             -- source controller
                         INTEGER NOT NULL,
 tlp_source_event
                                                                                             -- source event
 tlp destination panel
                         INTEGER NOT NULL,
                                                                                             -- destination controller
 tlp_query_string
                         CHAR(64),
                                                                                             -- query string enter by user
                         INTEGER NOT NULL,
 tlp_destination_event
                                                                                             -- destination event
 tlp_partition
                         INTEGER,
                                                                                             -- ID of partition for this counter
 tlp_public
                         SMALLINT NOT NULL,
                                                                                             -- open to punlic
                         CHAR(32) NOT NULL,
 site
                                                                                             -- Site Name
 tlp guid
                         uniqueidentifier NOT NULL,
                                                                                             -- Global unique record identifier
 tlp_checksum
                         INTEGER NOT NULL,
                                                                                             -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                                              -- Guid for update operation
 upd mode
                         SMALLINT NOT NULL.
                                                                                             -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                         DATETIME NOT NULL,
                                                                                             -- Date / Time of the update
 upd checksum
                         INTEGER NOT NULL,
                                                                                              -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd_rowguid
 PRIMARY KEY
                         ( tlp_partition, tlp_id, upd_mode desc, upd_guid )
CREATE TABLE udfboolean
                         INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                               -- unique ID for this UDF boolean value
 ub_id
 ub_cardholder id
                         INTEGER REFERENCES cardholder(c id) NOT FOR REPLICATION,
                                                                                               -- cardholder ID for this value
 ub udfgen id
                         INTEGER REFERENCES udfgen(ug id) NOT FOR REPLICATION,
                                                                                               -- UDF gen ID for this value
 ub boolean
                         SMALLINT NULL,
                                                                                               -- value
                         CHAR(32) NOT NULL,
                                                                                               -- Site Name
 site
 ub_guid
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                               -- Global unique record identifier
 ub checksum
                         INTEGER NOT NULL,
                                                                                               -- Record checksum
 PRIMARY KEY
                         (ub id, ub cardholder id)
 CREATE NONCLUSTERED INDEX
                                     ub udfgen id ON udfboolean(ub udfgen id ASC);
 CREATE NONCLUSTERED INDEX
                                     ub_cardholder_id ON udfboolean(ub_cardholder_id ASC, ub_udfgen_id ASC);
CREATE TABLE udfboolean save
                         INTEGER NOT NULL,
                                                                                              -- unique ID for this UDF boolean value
 ub id
 ub\_cardholder\_id
                                                                                              -- cardholder ID for this value
                         INTEGER,
 ub_udfgen_id
                         INTEGER,
                                                                                              -- UDF gen ID for this value
 ub boolean
                         SMALLINT NULL,
                                                                                              -- value
 site
                         CHAR(32) NOT NULL,
                                                                                              -- Site Name
 ub guid
                         uniqueidentifier NOT NULL,
                                                                                              -- Global unique record identifier
 ub_checksum
                         INTEGER NOT NULL,
                                                                                              -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                                              -- Guid for update operation
 upd mode
                         SMALLINT NOT NULL,
                                                                                              -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd_timestamp
                         DATETIME NOT NULL,
                                                                                              -- Date / Time of the update
 upd_checksum
                         INTEGER NOT NULL,
                                                                                              -- Checksum
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd rowguid
 PRIMARY KEY
                         (ub id, ub cardholder id, upd mode desc, upd guid)
);
```

#### **CREATE TABLE udfdate** ud id INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, -- unique ID for this UDF date value ud cardholder id INTEGER REFERENCES cardholder(c id) NOT FOR REPLICATION, -- cardholder ID for this value INTEGER REFERENCES udfgen(ug\_id) NOT FOR REPLICATION, -- UDF gen ID for this value ud udfgen id ud\_date DATETIME NULL, -- value CHAR(32) NOT NULL, -- Site Name site uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier ud\_guid ud checksum INTEGER NOT NULL, -- Record checksum PRIMARY KEY (ud id, ud cardholder id) ); CREATE NONCLUSTERED INDEX ud udfgen id ON udfdate(ud udfgen id ASC); CREATE NONCLUSTERED INDEX ud\_cardholder\_id ON udfdate(ud\_cardholder\_id ASC, ud\_udfgen\_id ASC); CREATE TABLE udfdate save INTEGER NOT NULL, -- unique ID for this UDF date value ud id ud cardholder id INTEGER, -- cardholder ID for this value ud udfgen id INTEGER, -- UDF gen ID for this value ud date DATETIME NULL. -- value site CHAR(32) NOT NULL. -- Site Name uniqueidentifier NOT NULL, -- Global unique record identifier ud guid ud\_checksum INTEGER NOT NULL, -- Record checksum upd\_guid uniqueidentifier NOT NULL, -- Guid for update operation upd mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) DATETIME NOT NULL. upd timestamp -- Date / Time of the update upd checksum INTEGER NOT NULL, -- Checksum uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier upd rowguid PRIMARY KEY ( ud\_id, ud\_cardholder\_id, upd\_mode desc, upd\_guid ) CREATE TABLE udfgen INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, -- unique ID for this UDF field ug\_id ug\_partition INTEGER REFERENCES partition(part\_number) NOT FOR REPLICATION, -- partition ID to which this UDF belongs ug public SMALLINT, -1 = public, 0 = private-- UDF type (0 = text, 1 = number, 2 = bool, 3 = date,SMALLINT, ug type 4 = selectionCHAR(25) NOT NULL. -- UDF name ug label ug width SMALLINT, -- field width ug order SMALLINT, -- UDF order CHAR(32) NOT NULL, site -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier ug\_guid ug\_checksum -- Record checksum INTEGER NOT NULL. ug\_hidefrommis INTEGER NOT NULL, -- Boolean flag to hide field from MIS ug required SMALLINT NOT NULL, -- 1 = value required PRIMARY KEY (ug partition, ug id) CREATE UNIQUE INDEX ug\_part\_label ON udfgen ( ug\_partition, ug\_label ); CREATE UNIQUE INDEX ug\_label ON udfgen (ug\_label ); CREATE TABLE udfgen save INTEGER NOT NULL, -- unique ID for this UDF field ug\_id INTEGER, -- partition ID to which this UDF belongs ug\_partition ug\_public SMALLINT, -1 = public, 0 = private-- UDF type (0 = text, 1 = number, 2 = bool, 3 = date)ug\_type SMALLINT,

ug\_label ug\_width

ug\_order

CHAR(25) NOT NULL,

SMALLINT,

SMALLINT,

-- UDF name

-- field width -- UDF order

```
CHAR(32) NOT NULL,
                                                                                    -- Site Name
 site
 ug_guid
                         uniqueidentifier NOT NULL,
                                                                                    -- Global unique record identifier
 ug_checksum
                         INTEGER NOT NULL,
                                                                                    -- Record checksum
                                                                                    -- Guid for update operation
                         uniqueidentifier NOT NULL,
 upd guid
                         SMALLINT NOT NULL,
                                                                                    -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
 upd_timestamp
                         DATETIME NOT NULL,
                                                                                    -- Date / Time of the update
                                                                                    -- Checksum
 upd checksum
                         INTEGER NOT NULL,
                         uniqueidentifier ROWGUIDCOL DEFAULT newid()
 upd_rowguid
                            UNIQUE NOT NULL,
                                                                                    -- Global unique record identifier
                                                                                    -- Boolean flag to hide field from MIS
 ug hidefrommis
                         INTEGER.
 ug_required
                         SMALLINT NOT NULL,
                                                                                    -- 1 = value required
 PRIMARY KEY
                         (ug_partition, ug_id, upd_mode desc, upd_guid)
);
CREATE TABLE udfnum
(
                         INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
 un id
                                                                                             -- unique ID for this UDF number value
                         INTEGER REFERENCES cardholder(c_id) NOT FOR REPLICATION,
                                                                                             -- cardholder ID for this value
 un_cardholder_id
 un udfgen id
                         INTEGER REFERENCES udfgen(ug_id) NOT FOR REPLICATION,
                                                                                             -- UDF gen ID for this value
 un number
                         INTEGER NULL,
                                                                                             -- value
 site
                         CHAR(32) NOT NULL,
                                                                                             -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                             -- Global unique record identifier
 un_guid
 un_checksum
                         INTEGER NOT NULL,
                                                                                             -- Record checksum
 PRIMARY KEY
                         (un_id, un_cardholder_id)
 CREATE NONCLUSTERED INDEX un udfgen id ON udfnum(un udfgen id ASC);
 CREATE NONCLUSTERED INDEX un_cardholder_id ON udfnum(un_cardholder_id ASC, un_udfgen_id ASC);
CREATE TABLE udfnum_save
                         INTEGER NOT NULL.
                                                                                           -- unique ID for this UDF number value
 un id
 un_cardholder_id
                         INTEGER,
                                                                                           -- cardholder ID for this value
                         INTEGER,
                                                                                           -- UDF gen ID for this value
 un_udfgen_id
 un_number
                         INTEGER NULL.
                                                                                           -- value
 site
                         CHAR(32) NOT NULL,
                                                                                           -- Site Name
 un guid
                         uniqueidentifier NOT NULL,
                                                                                           -- Global unique record identifier
                         INTEGER NOT NULL,
                                                                                           -- Record checksum
 un checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                                           -- Guid for update operation
 upd mode
                         SMALLINT NOT NULL,
                                                                                           -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                         DATETIME NOT NULL,
                                                                                           -- Date / Time of the update
                                                                                           -- Checksum
 upd_checksum
                         INTEGER NOT NULL,
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 upd rowguid
 PRIMARY KEY
                         ( un_id, un_cardholder_id, upd_mode desc, upd_guid)
);
CREATE TABLE udfselection
                         INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
                                                                                             -- unique ID for this UDF text value
 us_id
 us cardholder id
                         INTEGER REFERENCES cardholder(c id) NOT FOR REPLICATION,
                                                                                             -- cardholder ID for this value
 us udfgen id
                         INTEGER REFERENCES udfgen(ug_id) NOT FOR REPLICATION,
                                                                                             -- UDF gen ID for this value
 us_selection
                         CHAR(255) NULL,
                                                                                             -- value
 site
                         CHAR(32) NOT NULL,
                                                                                             -- Site Name
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                             -- Global unique record identifier
 us_guid
 us checksum
                         INTEGER NOT NULL,
                                                                                             -- Record checksum
 PRIMARY KEY
                         (us id, us cardholder id)
 CREATE NONCLUSTERED INDEX
                                     us_udfgen_id ON udfselection(us_udfgen_id ASC);
                                     us cardholder id ON udfselection(us cardholder id ASC, us udfgen id ASC);
 CREATE NONCLUSTERED INDEX
```

-- unique ID for this UDF choice

-- Global unique record identifier

-- unique ID for this UDF value

-- Global unique record identifier

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- UDF gen ID for this value

-- Guid for update operation

-- Date / Time of the update

-- choice value

-- Record checksum

-- Site Name

-- Checksum

-- UDF gen ID for this choice

-- choice value

-- Record checksum

-- Site Name

#### **CREATE TABLE udfselectionchoices**

```
INTEGER IDENTITY NOT FOR REPLICATION UNIQUE,
usc id
usc_udfgen_id
                      INTEGER REFERENCES udfgen(ug_id) NOT FOR REPLICATION,
usc_choice
                      CHAR(255) NOT NULL,
                      CHAR(32) NOT NULL,
site
                      uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
usc_guid
```

INTEGER NOT NULL, usc checksum PRIMARY KEY (use id, use udfgen id)

#### CREATE TABLE udfselectionchoices save

 $usc_id$ INTEGER NOT NULL, usc\_udfgen\_id INTEGER. usc\_choice CHAR(255) NULL, CHAR(32) NOT NULL, site usc\_guid uniqueidentifier NOT NULL, usc checksum INTEGER NOT NULL, upd\_guid uniqueidentifier NOT NULL, upd mode SMALLINT NOT NULL, upd timestamp DATETIME NOT NULL, upd\_checksum INTEGER NOT NULL,

upd\_rowguid uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier

PRIMARY KEY ( usc\_id, usc\_udfgen\_id, upd\_mode desc, upd\_guid )

);

);

### CREATE TABLE udfselection\_save

INTEGER NOT NULL, us\_id us cardholder id INTEGER. us udfgen id INTEGER, us selection CHAR(255) NULL, CHAR(32) NOT NULL, site uniqueidentifier NOT NULL, us\_guid us checksum INTEGER NOT NULL. upd guid uniqueidentifier NOT NULL, upd mode SMALLINT NOT NULL, upd\_timestamp DATETIME NOT NULL, upd checksum INTEGER NOT NULL, uniqueidentifier ROWGUIDCOL DEFAULT newid() upd rowguid UNIQUE NOT NULL, PRIMARY KEY

(us id, us cardholder id, upd mode desc, upd guid)

-- unique ID for this UDF value -- cardholder ID for this value

-- UDF gen ID for this value -- value

-- Site Name

-- Global unique record identifier

-- Record checksum -- Guid for update operation

-- Update mode (0 - delete, 1 - edit, 2 - new)

-- Date / Time of the update

-- Checksum

-- Global unique record identifier

#### **CREATE TABLE udftext**

PRIMARY KEY

INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, -- unique ID for this UDF text value ut id ut cardholder id INTEGER REFERENCES cardholder(c id) NOT FOR REPLICATION, -- cardholder ID for this value INTEGER REFERENCES udfgen(ug\_id) NOT FOR REPLICATION, -- UDF gen ID for this value ut\_udfgen\_id ut text CHAR(255) NULL, -- value CHAR(32) NOT NULL, site -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, ut guid -- Global unique record identifier ut\_checksum INTEGER NOT NULL, -- Record checksum

); CREATE NONCLUSTERED INDEX ut udfgen id ON udftext(ut udfgen id ASC);

(ut id, ut cardholder id)

CREATE NONCLUSTERED INDEX ut\_cardholder\_id ON udftext(ut\_cardholder\_id ASC, ut\_udfgen\_id ASC);

#### CREATE TABLE udftext\_save INTEGER NOT NULL, -- unique ID for this UDF text value ut id ut cardholder id INTEGER, -- cardholder ID for this value INTEGER, -- UDF gen ID for this value ut udfgen id CHAR(255) NULL, -- value ut\_text CHAR(32) NOT NULL, -- Site Name site ut\_guid uniqueidentifier NOT NULL, -- Global unique record identifier ut checksum INTEGER NOT NULL, -- Record checksum uniqueidentifier NOT NULL, upd\_guid -- Guid for update operation upd mode SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) upd timestamp DATETIME NOT NULL, -- Date / Time of the update upd\_checksum INTEGER NOT NULL, -- Checksum upd\_rowguid uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier PRIMARY KEY ( ut id, ut cardholder id, upd mode desc, upd guid ) CREATE TABLE uniquebadge\_id INTEGER IDENTITY NOT FOR REPLICATION UNIQUE, ubid id -- unique database ID ubid badge number str VARCHAR(100) NOT NULL. -- badge number ubid facility code INTEGER NOT NULL, -- facility code 0 to 65535 ubid issue SMALLINT NOT NULL, -- issue level ubid\_pin\_str CHAR(20) NULL, -- PIN number CHAR(32) NOT NULL, -- Site Name site uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, ubid guid -- Global unique record identifier ubid checksum INTEGER NOT NULL, -- Record checksum PRIMARY KEY (ubid\_id) CREATE INDEX ubid\_badge\_number\_str ON uniquebadge\_id ( ubid\_badge\_number\_str ); ubid facility code ON uniquebadge id ( ubid facility code ); CREATE INDEX CREATE INDEX ubid issue ON uniquebadge id ( ubid issue ); **CREATE TABLE** userpartition up\_user\_id INTEGER REFERENCES users(u id) NOT FOR REPLICATION, -- User ID up\_part\_number INTEGER REFERENCES partition(part number) NOT FOR REPLICATION, -- Partition ID CHAR(32) NOT NULL, -- Site Name uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL, -- Global unique record identifier up\_guid INTEGER NOT NULL, -- Record checksum up\_checksum PRIMARY KEY ( up\_user\_id, up\_part\_number) ); CREATE TABLE userpartition\_save INTEGER. -- User ID up\_user\_id up\_part\_number INTEGER. -- Partition ID CHAR(32) NOT NULL, -- Site Name uniqueidentifier NOT NULL, -- Global unique record identifier up guid up\_checksum INTEGER NOT NULL, -- Record checksum upd guid uniqueidentifier NOT NULL, -- Guid for update operation SMALLINT NOT NULL, -- Update mode (0 - delete, 1 - edit, 2 - new) upd mode -- Date / Time of the update upd\_timestamp DATETIME NOT NULL, upd checksum INTEGER NOT NULL, -- Checksum uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier upd rowguid PRIMARY KEY ( up\_user\_id, up\_part\_number, upd\_mode desc, upd\_guid) );

```
CREATE TABLE userprivgrp
                         INTEGER REFERENCES users(u id) NOT FOR REPLICATION,
                                                                                              -- user ID
 upg_user_id
                                                                                              -- privilege group ID
 upg_group_id
                         INTEGER REFERENCES privgrp(pg_id) NOT FOR REPLICATION,
                         CHAR(32) NOT NULL,
                                                                                              -- Site Name
 site
 upg\_guid
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                              -- Global unique record identifier
 upg checksum
                         INTEGER NOT NULL,
                                                                                              -- Record checksum
 PRIMARY KEY
                         (upg_user_id, upg_group_id)
CREATE TABLE userprivgrp_save
                         INTEGER,
                                                                                            -- user ID
 upg user id
                                                                                           -- privilege group ID
 upg_group_id
                         INTEGER,
                         CHAR(32) NOT NULL,
                                                                                            -- Site Name
 site
 upg\_guid
                         uniqueidentifier NOT NULL,
                                                                                            -- Global unique record identifier
                         INTEGER NOT NULL,
                                                                                            -- Record checksum
 upg_checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                                            -- Guid for update operation
 upd mode
                         SMALLINT NOT NULL,
                                                                                            -- Update mode (0 - delete, 1 - edit, 2 - new)
                                                                                           -- Date / Time of the update
                         DATETIME NOT NULL,
 upd timestamp
 upd checksum
                         INTEGER NOT NULL.
                                                                                            -- Checksum
 upd rowguid
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 PRIMARY KEY
                         (upg_user_id, upg_group_id, upd_mode desc, upd_guid)
);
CREATE TABLE userremotepartitions
                         INTEGER IDENTITY NOT FOR REPLICATION PRIMARY KEY,
                                                                                             -- unique user remote partition ID
 urp_id
                         INTEGER REFERENCES users(u_id) NOT FOR REPLICATION,
 urp_user_id
                                                                                             -- user ID
 urp_partition_name
                         CHAR(32) NOT NULL,
                                                                                             -- remote partition name
                         CHAR(32) NOT NULL.
                                                                                             -- Site Name
 site
                         uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                             -- Global unique record identifier
 urp guid
 urp checksum
                         INTEGER NOT NULL,
                                                                                             -- Record checksum
CREATE TABLE userremotepartitions save
                         INTEGER NOT NULL,
                                                                                           -- unique user remote partition ID
 urp id
 urp user id
                         INTEGER,
                                                                                           -- user ID
                         CHAR(32) NOT NULL,
 urp_partition_name
                                                                                           -- remote partition name
                         CHAR(32) NOT NULL,
                                                                                           -- Site Name
 site
 urp guid
                         uniqueidentifier NOT NULL,
                                                                                           -- Global unique record identifier
 urp checksum
                         INTEGER NOT NULL,
                                                                                           -- Record checksum
 upd_guid
                         uniqueidentifier NOT NULL,
                                                                                           -- Guid for update operation
 upd_mode
                         SMALLINT NOT NULL,
                                                                                           -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd timestamp
                         DATETIME NOT NULL.
                                                                                           -- Date / Time of the update
 upd checksum
                         INTEGER NOT NULL,
                                                                                           -- Checksum
 upd rowguid
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 PRIMARY KEY
                         (urp id, upd mode desc, upd guid)
CREATE TABLE users
                                 INTEGER IDENTITY NOT FOR REPLICATION
 u_id
                                    PRIMARY KEY,
                                                                                      -- unique ID for this user
                                 CHAR(16) NOT NULL,
                                                                                      -- login name
 u name
 u fullname
                                 CHAR(40) NULL,
                                                                                      -- full user name
 u timeout
                                 SMALLINT NULL,
                                                                                      -- auto logout timeout in mins (0 = never)
                                 INTEGER NULL,
                                                                                      -- encrypted password data
 u password
 u password 1
                                 INTEGER NULL,
                                                                                      -- encrypted password data
```

n magazzand 2			
u_password_2	INTEGER NULL,		encrypted password data
u_password_3	INTEGER NULL,		encrypted password data
u_addnt	SMALLINT NOT NULL	,	has been added to NT account or not
u_mfg_id	INTEGER NULL REFER	ENCES msgfiltergroup(mfg_id)	
	NOT FOR REPLICAT	TION,	message filter group ID
u_invalid_attempt	INTEGER NOT NULL,		number of consecutive invalid attempts
u_enabled	SMALLINT NOT NULL		account enabled
u_pwd_never_expire	SMALLINT NOT NULL		password never expires
u_pwd_update	SMALLINT NOT NULL,		password has to be updated on next login
u_pwd_expiry_date	DATETIME NOT NULL,		password expiry date (only valid if password
	CMALLDITNOTNILL		expires)
u_account_mis	SMALLINT NOT NULL		user account can be used for mis
u_account_p2000 site	SMALLINT NOT NULL, CHAR(32) NOT NULL,	•	user accoutn can be user for P2000 thick client Site Name
u_guid		IDCOL UNIQUE NOT NULL,	Global unique record identifier
u checksum	INTEGER NOT NULL,	IDCOL UNIQUE NOT NOLL,	Record checksum
u enable date	DATETIME NULL,		date when password can be renabled
u_verify_password	SMALLINT NOT NULL		1 requires password verification for critical apps
u_allow_multiple_alarm_handling	SMALLINT NOT NULL		Default to 1 => allow multiple; 0 => restrict to
u_u	DIVILIBEIL (TIVOTIVOEE)	,	one
u_alarm_proc_grp_mfg_id	INTEGER NULL REFER	ENCES msgfiltergroup(mfg id)	
	NOT FOR REPLICAT	0 0 1 0= 7	message filter group ID for Alarm Processing
		,	Group
u_ads_lookup	SMALLINT NOT NULL	,	1 = validate password using Active Directory
);			
CREATE UNIQUE INDEX	u_site_name ON users( si	te, u_name );	
CREATE TABLE usersite			
(			
<del>_</del>		OR REPLICATION PRIMARY KE	•
		s(u_id) NOT FOR REPLICATION	I, user ID
<del>_</del>	ALLINT NOT NULL,		Cita Nama
	AR(32) NOT NULL, jueidentifier ROWGUIDCO	I TIMIOTIE NOT MITH	<ul><li>Site Name</li><li>Global unique record identifier</li></ul>
	EGER NOT NULL,	E UNIQUE NOT NULE,	
_			Vecord checkeum
<i>)</i> -			Record checksum
); CREATE UNIQUE INDEX—user		rs user id):	Record checksum
CREATE UNIQUE INDEX user	site_site ON usersite(site, u	//	Record checksum
CREATE UNIQUE INDEX user		//	Record checksum
CREATE UNIQUE INDEX user	site_site ON usersite(site, u	//	Record checksum
CREATE UNIQUE INDEX user CREATE INDEX user	site_site ON usersite(site, u site_c_id ON usersite(urs_u	//	Record checksum
CREATE UNIQUE INDEX user	site_site ON usersite(site, u site_c_id ON usersite(urs_u	//	Record checksum
CREATE UNIQUE INDEX user CREATE INDEX user User USER CREATE TABLE usersite_s	site_site ON usersite(site, usite_c_id ON usersite(urs_usave	//	
CREATE UNIQUE INDEX user CREATE INDEX user	site_site ON usersite(site, usite_c_id ON usersite(urs_usave	//	Record checksum  unique user remote partition ID user ID
CREATE UNIQUE INDEX user user CREATE TABLE usersite_s  ( urs_id INTEG urs_user_id INTEG	site_site ON usersite(site, usite_c_id ON usersite(urs_usave	//	unique user remote partition ID
CREATE UNIQUE INDEX user user CREATE TABLE usersite_s  ( urs_id INTEG urs_user_id INTEG urs_enable SMALI	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersite(urs_usave  ER, ER,	//	unique user remote partition ID
CREATE UNIQUE INDEX user user CREATE TABLE usersite_s  ( urs_id INTEG urs_user_id INTEG urs_enable SMALI site CHAR(	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersite(urs_usave  ER, ER, LINT NOT NULL,	//	unique user remote partition ID user ID Site Name Global unique record identifier
CREATE UNIQUE INDEX user CREATE INDEX user user  CREATE TABLE usersite_s  ( urs_id INTEG urs_user_id INTEG urs_enable SMALI site CHAR( urs_guid uniquei	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersite(urs_usite)  ER, ER, LINT NOT NULL, 32) NOT NULL,	//	unique user remote partition ID user ID Site Name
CREATE UNIQUE INDEX user CREATE INDEX user user  CREATE TABLE usersite_s  ( urs_id INTEG urs_user_id INTEG urs_enable SMALI site CHAR( urs_guid uniquei urs_checksum INTEG	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersite(urs_usite)  ER, ER, LINT NOT NULL, 32) NOT NULL, dentifier NOT NULL,	//	unique user remote partition ID user ID Site Name Global unique record identifier Record checksum Guid for update operation
CREATE INDEX user CREATE INDEX user user  CREATE TABLE usersite_s  ( urs_id INTEG urs_user_id INTEG urs_enable SMALI site CHAR( urs_guid uniquei urs_checksum INTEG upd_guid uniquei upd_mode SMALI	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersite(urs_usersite	//	unique user remote partition ID user ID Site Name Global unique record identifier Record checksum
CREATE UNIQUE INDEX user CREATE INDEX user  CREATE TABLE usersite_s  (     urs_id	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersite(urs_usite_curs_usersite(urs_usite_c_id ON usersite(urs_usite_curs_usersite(ur	//	unique user remote partition ID user ID Site Name Global unique record identifier Record checksum Guid for update operation Update mode (0 - delete, 1 - edit, 2 - new) Date / Time of the update
CREATE UNIQUE INDEX user CREATE INDEX user user  CREATE TABLE usersite_s  ( urs_id INTEG urs_user_id INTEG urs_enable SMALI site CHAR( urs_guid uniquei urs_checksum INTEG upd_guid uniquei upd_mode SMALI upd_timestamp DATET upd_checksum INTEG	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersi	user_id);	unique user remote partition ID user ID Site Name Global unique record identifier Record checksum Guid for update operation Update mode (0 - delete, 1 - edit, 2 - new) Date / Time of the update Checksum
CREATE INDEX user CREATE INDEX user User  CREATE TABLE usersite_s  ( urs_id INTEG urs_user_id INTEG urs_enable SMALI site CHAR( urs_guid uniquei urs_checksum INTEG upd_guid uniquei upd_mode SMALI upd_timestamp DATET upd_checksum INTEG upd_rowguid uniquei upd_rowguid uniquei	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersite(urs_use	pefault newid() UNIQUE NOT	unique user remote partition ID user ID Site Name Global unique record identifier Record checksum Guid for update operation Update mode (0 - delete, 1 - edit, 2 - new) Date / Time of the update
CREATE INDEX user CREATE INDEX user User  CREATE TABLE usersite_s  ( urs_id INTEG urs_user_id INTEG urs_enable SMALI site CHAR( urs_guid uniquei urs_checksum INTEG upd_guid uniquei upd_mode SMALI upd_timestamp DATET upd_checksum INTEG upd_rowguid uniquei PRIMARY KEY (urs_id)	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersi	pefault newid() UNIQUE NOT	unique user remote partition ID user ID Site Name Global unique record identifier Record checksum Guid for update operation Update mode (0 - delete, 1 - edit, 2 - new) Date / Time of the update Checksum
CREATE INDEX user CREATE INDEX user User  CREATE TABLE usersite_s  ( urs_id INTEG urs_user_id INTEG urs_enable SMALI site CHAR( urs_guid uniquei urs_checksum INTEG upd_guid uniquei upd_mode SMALI upd_timestamp DATET upd_checksum INTEG upd_rowguid uniquei upd_rowguid uniquei	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersite(urs_use	pefault newid() UNIQUE NOT	unique user remote partition ID user ID Site Name Global unique record identifier Record checksum Guid for update operation Update mode (0 - delete, 1 - edit, 2 - new) Date / Time of the update Checksum
CREATE INDEX user CREATE INDEX user User  CREATE TABLE usersite_s  ( urs_id INTEG urs_user_id INTEG urs_enable SMALI site CHAR( urs_guid uniquei urs_checksum INTEG upd_guid uniquei upd_mode SMALI upd_timestamp DATET upd_checksum INTEG upd_rowguid uniquei PRIMARY KEY (urs_id)	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersite(urs_use	pefault newid() UNIQUE NOT	unique user remote partition ID user ID Site Name Global unique record identifier Record checksum Guid for update operation Update mode (0 - delete, 1 - edit, 2 - new) Date / Time of the update Checksum
CREATE INDEX user CREATE INDEX user User  CREATE TABLE usersite_s  (     urs_id	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersite(urs_usite_curs_usersite(u	pefault newid() UNIQUE NOT	unique user remote partition ID user ID Site Name Global unique record identifier Record checksum Guid for update operation Update mode (0 - delete, 1 - edit, 2 - new) Date / Time of the update Checksum
CREATE INDEX user CREATE INDEX user User  CREATE TABLE usersite_s  ( urs_id INTEG urs_user_id INTEG urs_enable SMALI site CHAR( urs_guid uniquei urs_checksum INTEG upd_guid uniquei upd_mode SMALI upd_timestamp DATET upd_checksum INTEG upd_rowguid uniquei PRIMARY KEY (urs_id)	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersite(urs_usite_curs_usersite(u	pefault newid() UNIQUE NOT	unique user remote partition ID user ID Site Name Global unique record identifier Record checksum Guid for update operation Update mode (0 - delete, 1 - edit, 2 - new) Date / Time of the update Checksum
CREATE INDEX user CREATE INDEX user User  CREATE TABLE usersite_s  ( urs_id INTEG urs_user_id INTEG urs_enable SMALI site CHAR( urs_guid uniquei urs_checksum INTEG upd_guid uniquei upd_mode SMALI upd_timestamp DATET upd_checksum INTEG upd_rowguid uniquei PRIMARY KEY (urs_id) );  CREATE TABLE users_sav  (	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersite(urs_usite_curs_usersite(u	nser_id);	unique user remote partition ID user ID Site Name Global unique record identifier Record checksum Guid for update operation Update mode (0 - delete, 1 - edit, 2 - new) Date / Time of the update Checksum NULL, Global unique record identifier
CREATE INDEX user CREATE INDEX user User  CREATE TABLE usersite_s  ( urs_id INTEG urs_user_id INTEG urs_enable SMALI site CHAR( urs_guid uniquei urs_checksum INTEG upd_guid uniquei upd_mode SMALI upd_timestamp DATET upd_checksum INTEG upd_rowguid uniquei PRIMARY KEY (urs_id) );  CREATE TABLE users_sav  ( u_id	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersi	pefault newid() UNIQUE NOT	unique user remote partition ID user ID Site Name Global unique record identifier Record checksum Guid for update operation Update mode (0 - delete, 1 - edit, 2 - new) Date / Time of the update Checksum NULL, Global unique record identifier
CREATE INDEX user CREATE INDEX user User  CREATE TABLE usersite_s  (     urs_id INTEG     urs_enable SMALI     site CHAR(     urs_guid uniquei     urs_checksum INTEG     upd_guid uniquei     upd_mode SMALI     upd_timestamp DATET     upd_rowguid uniquei     PRIMARY KEY (urs_id) );  CREATE TABLE users_sav  (     u_id     u_name	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersi	DEFAULT newid() UNIQUE NOT  uni log	unique user remote partition ID user ID Site Name Global unique record identifier Record checksum Guid for update operation Update mode (0 - delete, 1 - edit, 2 - new) Date / Time of the update Checksum NULL, Global unique record identifier
CREATE INDEX user CREATE INDEX user User  CREATE TABLE usersite_s  ( urs_id INTEG urs_user_id INTEG urs_enable SMALI site CHAR( urs_guid uniquei urs_checksum INTEG upd_guid uniquei upd_mode SMALI upd_timestamp DATET upd_checksum INTEG upd_rowguid uniquei PRIMARY KEY (urs_id) );  CREATE TABLE users_sav  ( u_id	site_site ON usersite(site, usite_c_id ON usersite(urs_usite_c_id ON usersi	nser_id);  DEFAULT newid() UNIQUE NOT  uni log full	unique user remote partition ID user ID Site Name Global unique record identifier Record checksum Guid for update operation Update mode (0 - delete, 1 - edit, 2 - new) Date / Time of the update Checksum NULL, Global unique record identifier

	u naceword	
	u_password u_password_1	
	u_password_2	
	u_password_3	
	u_addnt u mfg id	
	u_mrg_rd u_invalid_attempt	
	u_enabled	
	u_pwd_never_expire u_pwd_update	
	u_pwd_update u_pwd_expiry_date	
	u_account_mis	
	u_account_p2000	
	site	
	u_guid	
	u_checksum	
	upd_guid	
	upd_mode	
	upd_timestamp	
	upd_checksum	
	upd_rowguid	
	u_enable_date	
	u verify password	
	u_allow_multiple_ala	arm handlir
	u_alarm_proc_grp_n	
	u_ads_lookup	115_IU
	PRIMARY KEY	
);	I KIMAKI KEI	
J,		
_	DEATE TABLE	
_	REATE TABLE	user_co
(		Dim
	ucu_id	INTE
	ucu_ug_id	INTE

```
INTEGER NULL,
INTEGER NULL,
INTEGER NULL,
INTEGER NULL,
SMALLINT NOT NULL,
INTEGER NULL,
INTEGER NOT NULL,
SMALLINT NOT NULL,
SMALLINT NOT NULL.
SMALLINT NOT NULL,
DATETIME NOT NULL,
SMALLINT NOT NULL,
SMALLINT NOT NULL,
CHAR(32) NOT NULL.
uniqueidentifier NOT NULL,
INTEGER NOT NULL,
uniqueidentifier NOT NULL,
SMALLINT NOT NULL,
DATETIME NOT NULL,
INTEGER NOT NULL,
uniqueidentifier ROWGUIDCOL DEFAULT
  newid() UNIQUE NOT NULL,
DATETIME NULL.
SMALLINT NOT NULL,
SMALLINT NOT NULL,
INTEGER NULL,
SMALLINT NOT NULL,
(u_id, upd_mode desc, upd_guid)
```

- -- encrypted password data -- encrypted password data -- encrypted password data -- encrypted password data
- -- has been added to NT account or not
- -- message filter group ID
- -- number of consecutive invalid attempts
- -- account enabled -- password never expires
- -- password has to be updated on next login
- -- password expiry date (only valid if password expires)
- -- user account can be used for mis
- -- user account can be user for P2000 thick client
- -- Site Name
- -- Global unique record identifier
- -- Record checksum
- -- Guid for update operation
- -- Update mode (0 delete, 1 edit, 2 new)
- -- Date / Time of the update
- -- Checksum
- -- Global unique record identifier
- -- date when password can be renabled
- -- 1 requires password verification for critical apps
- --Default to 1 => allow multiple; 0 => restrict to one
- -- message filter group ID for Alarm Processing Group
- -- 1 = validate password using Active Directory

#### C ncealed udf

```
EGER IDENTITY NOT FOR REPLICATION UNIQUE,
                         EGER REFERENCES udfgen(ug_id) NOT FOR REPLICATION,
                     INTEGER REFERENCES users(u id) NOT FOR REPLICATION,
ucu user id
site
                     CHAR(32) NOT NULL,
                     uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
ucu guid
ucu checksum
                     INTEGER NOT NULL,
PRIMARY KEY
                     (ucu id, site)
```

- -- unique database ID -- A udf reference -- A users reference -- Site Name
- -- Global unique record identifier
- -- Record checksum

### CREATE TABLE user concealed udf save

ucu id INTEGER NOT NULL, INTEGER NOT NULL, ucu ug id ucu\_user\_id INTEGER NOT NULL, CHAR(32) NOT NULL, site uniqueidentifier NOT NULL, ucu guid ucu checksum INTEGER NOT NULL, upd\_guid uniqueidentifier NOT NULL, upd mode SMALLINT NOT NULL, upd\_timestamp DATETIME NOT NULL. upd checksum INTEGER NOT NULL, upd rowguid uniqueidentifier ROWGUIDCOL DEFAULT

);

newid() UNIQUE NOT NULL,

PRIMARY KEY (ucu\_id, site, upd\_mode desc, upd\_guid)

- -- unique identifier -- A udf reference -- A users reference -- Site Name
- -- Global unique record identifier
- -- Record checksum -- Guid for update operation
- -- Update mode (0 delete, 1 edit, 2 new)
- -- Date / Time of the update
- -- Checksum
- -- Global unique record identifier

```
CREATE TABLE webaccessconfig
                             SMALLINT NOT NULL,
                                                                                              -- record name
  we mifarencode enable
 site
                             CHAR(32) NOT NULL,
                                                                                              -- Site Name
                             uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                              -- Global unique record identifier
 wc_guid
 wc checksum
                             INTEGER NOT NULL,
                                                                                              -- Record checksum
 PRIMARY KEY
                             (we guid)
CREATE TABLE webaccessconfig save
 we mifarencode enable
                         SMALLINT NOT NULL,
                                                                                               -- record name
                          CHAR(32) NOT NULL,
                                                                                               -- Site Name
 site
 wc_guid
                          uniqueidentifier NOT NULL,
                                                                                               -- Global unique record identifier
 wc_checksum
                          INTEGER NOT NULL,
                                                                                               -- Record checksum
                          uniqueidentifier NOT NULL,
 upd guid
                                                                                               -- Guid for update operation
                          SMALLINT NOT NULL,
                                                                                               -- Update mode (0 - delete, 1 - edit, 2 - new)
 upd mode
 upd_timestamp
                          DATETIME NOT NULL,
                                                                                               -- Date / Time of the update
 upd checksum
                          INTEGER NOT NULL,
                                                                                               -- Checksum
 upd_rowguid
                         uniqueidentifier ROWGUIDCOL DEFAULT newid() UNIQUE NOT NULL, -- Global unique record identifier
 PRIMARY KEY
                         ( wc_guid, upd_mode desc, upd_guid )
CREATE TABLE webaccessctrl
                          INTEGER IDENTITY NOT FOR REPLICATION,
 wac id
 wac_cardholder id
                          INTEGER REFERENCES cardholder(c id) NOT FOR REPLICATION NOT NULL,
 wac_password_0
                          INTEGER NULL,
 wac password 1
                          INTEGER NULL,
                          INTEGER NULL,
 wac_password_2
 wac_password_3
                          INTEGER NULL.
 site
                          CHAR(32) NOT NULL,
                                                                                                   -- Site Name
                          uniqueidentifier ROWGUIDCOL UNIQUE NOT NULL,
                                                                                                   -- Global unique record identifier
 wac guid
                          INTEGER NULL REFERENCES privgrp(pg_id) NOT FOR REPLICATION,
 wac_priv_grp_id
                                                                                                   -- priv group ID
 PRIMARY KEY
                          ( wac_id)
);
 CREATE INDEX
                          wac cardholder id ON webaccessctrl ( wac cardholder id );
CREATE TABLE xaction
 x_hist_type
                          INTEGER.
                                                                              -- xaction type
                                                                               1 = Reader up, 5 = Reader down, 10 = Facility code error,
                                                                               11 = System event activated, 12 = System event deactivated,
                                                                               15 = Unlock all doors, 16 = Lock all doors, 17 = Output set,
                                                                               18 = Output reset, 19 = Reader locked, 20 = Reader unlocked,
                                                                               21 = Door held open, 22 = Door forced open,
                                                                               23 = Valid and unauthorized access, 33 = Invalid card,
                                                                               34 = Anti passback, 35 = Invalid reader, 36 = Invalid in-x-it,
                                                                               37 = Invalid card timezone, 38 = Invalid pin,
                                                                               39 = Invalid issue level, 40 = Host deny,
                                                                               42 = Invalid reader timezone, 43 = Timed override expire,
                                                                               44 = Invalid event, 45 = Invalid event privilege level,
                                                                               65 = Host grant, 67 = Executive privilege, 68 = Local grant,
                                                                               69 = Timed override enable, 70 = Timed override disable,
                                                                               71 = Timed override enable host,
                                                                               72 = Timed override disabled host, 73 = User event activated,
                                                                               74 = User event disabled, 75 = Soft in-x-it,
                                                                               78 = Manual reader, 96 = Alarm set, 97 = Alarm reset,
                                                                               99 = Tamper detected, 100 = Tamper reset,
                                                                               101 = Door open alarm, 102 = Duress alarm,
```

103 = Pincode retry alarm, 104 = Forced door alarm,

106 = Prox card battery low, 107 = AC power lost, 108 = AC power restored, 109 = Low battery,

20482 = Reader terminal unknown,

110 = Battery restored, 117 = Alarm open, 118 = Alarm short, 224 = Node up, 228 = Node down, 266 = Host grant in, 267 = Host grant out, 292 = Input terminal up, 293 = Output terminal up, 294 = Input terminal down, 295 = Output terminal down, 20481 = Node up duplicate,

```
20483 = Input terminal unknown.
                                                                               20484 = Output terminal unknown
                                                                               24577 = Event triggered, 24578 = Event triggered manually
                        CHAR(32) NULL,
x_panel_name
                                                                             -- panel name that reported xaction (if applicable)
x_term_name
                        CHAR(32) NULL,
                                                                             -- terminal name involved in xaction (if applicable)
                         CHAR(32) NULL.
x item name
                                                                             -- item name involved in xaction (if applicable)
x badge number
                         VARCHAR(100) NULL,
                                                                             -- badge number involved in xaction (if applicable)
x fname
                         CHAR(26) NULL,
                                                                             -- cardholder first name involved in xaction (if applicable)
                         CHAR(26) NULL,
                                                                             -- cardholder last name involved in xaction (if applicable)
x lname
x_timed_overrd
                         SMALLINT NULL,
                                                                             -- override time (if timed override)
                                                                             -- issue level of badge (if invalid issue level)
x issue level
                         INTEGER NULL,
x fac code
                         INTEGER NULL,
                                                                             -- facility code of badge (if invalid facility code)
x_event_name
                         CHAR(32) NULL,
                                                                             -- name of event triggered (if event triggered)
                         DATETIME NOT NULL,
x_{timestamp}
                                                                             -- time/date of xaction
                         CHAR(32) NULL,
                                                                             -- site name
site
x partition
                         CHAR(32) NULL,
                                                                             -- partition name
x public
                         SMALLINT NOT NULL,
                                                                             --0 = private, 1 = public
                        uniqueidentifier DEFAULT newid() ROWGUIDCOL
x_guid
                           NOT NULL,
                                                                             -- unique id for this xaction
x checksum
                         INTEGER NOT NULL,
                                                                             -- Record checksum
PRIMARY KEY
                        NONCLUSTERED (x guid)
CREATE CLUSTERED INDEX
                               x timestamp ON xaction (x timestamp);
CREATE INDEX
                                x hist_type ON xaction (x_hist_type);
                                x site ON xaction ( site );
CREATE INDEX
CREATE INDEX
                                x public ON xaction(x public);
CREATE INDEX
                                x_partition ON xaction (x_partition);
CREATE INDEX
                                x_badge_number ON xaction ( x_badge_number );
```

