Cisco Unified Communications Manager 7.1(3)
Database Dictionary

This document describes the data stored in the primary CUCM database for the Cisco Unified Communications Manager 7.1(3) release.

It is automatically generated from the development data dictionary used to create the SQL scripts that install the Cisco Unified Communications Manager database.

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2.0 Table Details

2.1 Table Relationships

pkid is the primary key ID. It is always of type GUID (a 36 character UUID).

Fields that begin with the letters "fk" represent foriegn keys into another table. The name of the field following the "fk" prefix up to but not including an underscore character is the name of the related table. The field in related table is always pkid. and is a GUID.

Fields that begin with the letters "ik" represent internal keys into the same table.

Fields that begin with a "tk" represent an enumerated type. This field is related to a table whose name begins with "Type" and ends with the name of the field following the prefix up to but not including an underscore character. The field in the related table is always "enum" and is an integer.

Some tables do not allow insert or delete. These tables are populated by installation programs and migrated.

Some tables do not allow any modifications at all and are populated by installation only.

Some fields do not allow modification. These fields are populated by triggers in response to changes in other records, or they are set when the record is inserted.

2.2 Field Types

DN
: This field is a directory number. This is currently defined as a variable length string of max length 23.

enum
: This field is related to another table. The table name begins with "Type" and is followed by the field name without the "tk" prefix.

GUID
: This is a globally unique ID. It is represented as a string of length 36 (string representation of UUID).

long
: This is an integer stored as signed 4 byte value (+/-2^31-1). Refer to the Check Constraint for limitations on possible values.

string
: This is a variable length string. The maximum length will be specified in bytes. The database stores string data using UTF-8 encoding. Refer to the Validation for limitations on characters and length of strings.

2.3 Table Level Rules and Field Details

Unless otherwise indicated, all tables and data are replicated throughout the cluster.

Note for developers

The Data Dictionary source is the same set of CSV files used to create the database. Each table, field, rule, and constraint has an ID next to it (in parentheses) that indicates the source. The codes are always <type>-number. The type codes are as follows:

TI
: Table Information from TypeTableInfo.csv

FI
: Field Information from TypeFieldInfo.csv

RFI
: Related Field Information from TypeRelatedFieldInfo.csv

MFI
: Mulit-Field Index from TypeMultiFieldIndex.csv

RI
: Rule Information from TypeRuleInfo.csv

For example, RFI-21 is Related Field Info for enum = 21 in TypeRelatedFieldInfo.csv.

Error messages from business rule violations have two components - Error code and SQL Exception. For example, `Error: java.sql.SQLException: 37131, SQL State: IX000, Error Code: -746`. Error Code -746 indicates an exception based on database rules. If specific error message text is not displayed, it can be found in TypeDbErrors table where SQLException value is the value in the enum column. SQLException values above 25,000 also correlate directly to data dictionary entries at follows:

- Errors occurring because of validation or check constraints defined in TypeRelatedFieldInfo have a number that is equal to 25,000 plus the related field info rule number in datadicationary. For example, if an error 25142 occurs while updating ApplicationDialRule table, you can find the associated constraint with 25142-25000 = (RFI-)142. Check the constraints below the field definitions in the table (or just search this document for "RFI-142").
- Errors occurring because of validation or check constraints defined in TypeFieldInfo will have a number that is equal to 35,000 plus the field number. For example, if an error 37131 occurs while updating FACInfo table, you can find the associated rule with 37131-35000 = (FI-)2131. Then check the format of input data against the validation for the "FACInfo.Code" field (or just search this document for "FI-2131").

Legend for Tables

Elements defining a table
Field Name (with links to referenced tables)
Elements defining a field
Elements defining a rule
Multi-column uniqueness (combination of columns is unique)

2.3.1 aardialprefixmatrix (TI-182)

Description:	Defines the assigned digits to prepend to dialed digits to specified from and to AAR neighborhoods.

Fields:

2.3.1.1 dialprefix (FI-1117)

Type:	string [24]
Default Value:	EMPTY
Validation:	^[0-9A-D*#+]{0,24}$
Remarks:	The prefix digits to use for automated alternate routing within this AAR group.

2.3.1.2 fkaarneighborhood_from (FI-1115)

Type:	guid (Cascade Delete, Not Modifiable)
Remarks:	Specifies the AAR Neighborhood from which a call is being made. Inserted by trigger.

2.3.1.3 fkaarneighborhood_to (FI-1116)

Type:	guid (Cascade Delete, Not Modifiable)
Remarks:	Specifies the AAR Neighborhood to which a call is being made. Inserted by trigger.

2.3.1.4 pkid (FI-1114)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Uniqueness: fkaarneighborhood_from + fkaarneighborhood_to is unique. (MFI-55)

Rules:

Rule (RI-1):

Type:	Active (Insert) This table is modified by this rule.
Rule Name:	Insert AAR Matrix
Description:	On insert of a new AARNeighborhood the matrix must be filled out with records from the new AARNeighborhood to itself and to every existing AARNeighborhood
Test Condition:	Insert into AARNeighborhood

2.3.2 aarneighborhood (TI-181)

Description:	Automated alternate routing (AAR) provides a mechanism to reroute calls through the PSTN or other network by using an alternate number when Cisco CallManager blocks a call due to insufficient location bandwidth.

Fields:	**2.3.2.1 name (FI-1113)**		
	Type:	string [20] (Unique)	
	Validation:	^[a-zA-Z 0-9._-]{1,20}$	
	Remarks:	Logical name of the AAR group	
	Rule (RI-1):	Type:	Active (Insert)
		Rule Name:	Insert AAR Matrix
		Description:	On insert of a new AARNeighborhood the matrix must be filled out with records from the new AARNeighborhood to itself and to every existing AARNeighborhood
		Test Condition:	Insert into AARNeighborhood
	2.3.2.2 pkid (FI-1112)		
	Type:	guid (Unique, Indexed, Not Modifiable)	
	Default Value:	newid()	
	Remarks:	Unique ID to identify a record.	
	Rule (RI-1):	Type:	Active (Insert)
		Rule Name:	Insert AAR Matrix
		Description:	On insert of a new AARNeighborhood the matrix must be filled out with records from the new AARNeighborhood to itself and to every existing AARNeighborhood
		Test Condition:	Insert into AARNeighborhood
Uniqueness:	No multicolumn uniqueness constraints		
Rules:	Rule (RI-1):	Type:	Active (Insert) Rule applied when record is inserted.
		Rule Name:	Insert AAR Matrix
		Description:	On insert of a new AARNeighborhood the matrix must be filled out with records from the new AARNeighborhood to itself and to every existing AARNeighborhood
		Test Condition:	Insert into AARNeighborhood

2.3.3 alarmconfig (TI-145)

Description:	Records alarm settings per node (server) per service per monitor. These records are inserted at install time. Insert/Delete is not allowed.
Fields:	**2.3.3.1 fkprocessnodeservice (FI-810)** Type: guid (Cascade Delete) Remarks: Specifies the node/service combination for this alarm configuration. **2.3.3.2 monitorstatus (FI-887)** Type: bool Default Value: FALSE Remarks: True if this monitor is on. **2.3.3.3 pkid (FI-809)** Type: guid (Unique, Indexed, Not Modifiable) Default Value: newid() Remarks: Unique ID to identify a record. **2.3.3.4 server (FI-886)** Type: string [255] Default Value: EMPTY Remarks: The SysLog server used for SysLog type of monitors. **2.3.3.5 tkalarmseverity (FI-822)** Type: enum Remarks: The alarm severity. **2.3.3.6 tkmonitor (FI-812)** Type: enum Remarks: The type of monitor (event log, sys log, etc.) being configured.
Uniqueness:	fkprocessnodeservice + tkmonitor is unique. (MFI-28)

2.3.4 alarmmonitorcapabilities (TI-161)

Description:	Used to determine which monitors are allowed with each service. These records are inserted at install time. Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.4.1 enum (FI-896)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.4.2 tkmonitor (FI-897)	
	Type:	enum
	2.3.4.3 tkservice (FI-898)	
	Type:	enum
Uniqueness:	No multicolumn uniqueness constraints	

2.3.5 alarmusertext (TI-369)

Description:	User defined text for alarms	
Fields:	**2.3.5.1 alarmname (FI-2722)**	
	Type:	string [500]
	2.3.5.2 catalogname (FI-2721)	
	Type:	string [500]
	2.3.5.3 pkid (FI-2720)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.5.4 userdefinedtext (FI-2723)	
	Type:	string [500]
Uniqueness:	No multicolumn uniqueness constraints	

2.3.6 analogaccess (TI-2)

Description:	This subclasses the device table for analog access information not in the Device table.

Fields:

2.3.6.1 fkdevice (FI-14)

Type:	guid (Unique, Indexed, Cascade Delete)
Migration Source:	convert from DeviceName
Remarks:	Points to the device record being "subclassed." Device.tkModel must be analog access.
Rule (RI-13):	Type: Validation (Insert/Update) Rule Name: AnalogAccess device Description: The records in AnalogAccess table must reference a device using AnalogAccess device protocol Test Condition: AnalogAccess.fkDevice IN (SELECT pkid FROM Device where tkDeviceProtocol = 3) Error Message: AnalogAccess table may only reference devices with matching Device Protocol (AnalogAccess). Remedy: Correct the fkDevice value to refer to an Analog Access device.

2.3.6.2 pkid (FI-13)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.6.3 tktrunkselectionorder (FI-15)

Type:	enum
Migration Source:	TrunkSelectionOrder
Remarks:	IE. Bottom up or top down.

Uniqueness: No multicolumn uniqueness constraints

2.3.7 analogaccessport (TI-3)

Description: Analog access ports associtated with an analog access Device.

Fields:

2.3.7.1 attendantdn (FI-22)

Type:	dn
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	EMPTY
Validation:	^[0-9*#+]{0,50}$
Migration Source:	AttendantNumber
Remarks:	For Ground Start and Loop Start ports, enter the number to which you want incoming calls routed; for example, zero or a directory number for an attendant.

Rule (RFI-4):

Type:	Inter-field Condition and Constraint
Test Condition:	tkTrunk = 1 OR tkTrunk = 2
DN Type:	DN_TYPE_ALL_DIGITS
Constraint:	
Validation:	[0-9*#]{1,24}
Null Allowed:	null
Remarks:	Attendant DN Invalid. Only settable for route/translation/hunt patterns. It should contain atleast one and no more than 24 numbers, * and #. Regular expression used for validation is [0-9*#]{1,24}

Rule (RFI-127):

Type:	Inter-field Condition and Constraint
Test Condition:	tkTrunk = 1 OR tkTrunk = 2
DN Type:	DN_TYPE_ALL_DIGITS
Constraint:	AttendantDN IS NOT NULL
Remarks:	Attendant DN required for Ground Start or Loop Start

2.3.7.2 calleriddn (FI-37)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,32}$
Migration Source:	CallerId
Remarks:	If specified, use this for the CallerID.

2.3.7.3 expecteddigits (FI-26)

Type:	long
Check Constraint:	(ExpectedDigits >= 0) AND (ExpectedDigits <= 32)
Migration Source:	ExpectedDigits
Remarks:	Enter the number of digits that are expected on the inbound side of the trunk. For this rarely used field, leave zero as the default value if you are unsure.

2.3.7.4 fkdevice (FI-18)

Type:	guid (Indexed, Cascade Delete)
Migration Source:	convert from DeviceName
Remarks:	device::tModel must be analog access
Rule (RI-14):	

Type:	Validation (Insert/Update)
Rule Name:	AnalogAccessPort device
Description:	The records in AnalogAccessPort table must reference a device using AnalogAccess device protocol
Test Condition:	AnalogAccessPort.fkDevice IN (SELECT pkid FROM Device where tkDeviceProtocol = 3)
Error Message:	AnalogAccessPort table may only reference devices with matching Device Protocol (AnalogAccess).
Remedy:	Correct the fkDevice value to refer to an Analog Access device.

2.3.7.5 inboundcalleridenable (FI-36)

Type:	bool
Migration Source:	InboundCallerIdEnable
Remarks:	If true, CallerID is enabled.

2.3.7.6 numdigits (FI-24)

Type:	long
Check Constraint:	(NumDigits >= 0) AND (NumDigits <= 32)
Migration Source:	NumDIgits
Remarks:	Enter the number of significant digits to collect. Cisco CallManager counts significant digits from the right (last digit) of the number called. Use this field for the processing of incoming calls and to indicate the number of digits starting from the last digit of the called number that is used to route calls coming into the PRI span. See Prefix DN.

2.3.7.7 pkid (FI-17)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.7.8 portnum (FI-19)

Type:	long
Migration Source:	PortNum
Remarks:	1-8 For Vega; 1 for MGCP_STATION; 1 for MGCP_TRUNK and tkDeviceProtocol=AnalogAccess

2.3.7.9 prefixdn (FI-23)

Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL
Validation:	^[0-9*#+]{0,50}$
Migration Source:	Prefix
Remarks:	The prefix digits that are appended to the digits that this trunk receives on incoming calls. The Cisco CallManager adds prefix digits after it truncates the number in accordance with the Num Digits setting.

2.3.7.10 sigdigits (FI-25)

Type:	bool
Migration Source:	SigDigits
Remarks:	Obsolete - NumDigits is always used. Flag to allow only certain amount of digits.

2.3.7.11 smdiportnumber (FI-932)

Type:	long
Default Value:	0
Check Constraint:	(SMDIPortNumber >= 0) AND (SMDIPortNumber <= 4096)
Remarks:	Use this field for analog access ports that connect to a voice-mail system. Set the SMDI Port Number equal to the actual port number on the voice-mail system to which the analog access port connects.

2.3.7.12 timer1 (FI-30)

Type:	long
Check Constraint:	Timer1 >= 0
Migration Source:	Timer1

Remarks:	In Milliseconds

2.3.7.13 timer2 (FI-31)

Type:	long
Check Constraint:	Timer2 >= 0
Migration Source:	Timer2
Remarks:	In Milliseconds

2.3.7.14 timer3 (FI-32)

Type:	long
Check Constraint:	Timer3 >= 0
Migration Source:	Timer3
Remarks:	In Milliseconds

2.3.7.15 timer4 (FI-33)

Type:	long
Check Constraint:	Timer4 >= 0
Migration Source:	Timer4
Remarks:	In Milliseconds

2.3.7.16 timer5 (FI-34)

Type:	long
Check Constraint:	Timer5 >= 0
Migration Source:	Timer5
Remarks:	In Milliseconds

2.3.7.17 timer6 (FI-35)

Type:	long
Check Constraint:	Timer6 >= 0
Migration Source:	Timer6
Remarks:	In Milliseconds

2.3.7.18 tkcallingpartyselection (FI-39)

Type:	enum
Migration Source:	CallingPartySelection

Remarks:	Source of the calling party number: originator = 1, first redirect = 2, last redirect = 3

2.3.7.19 tkdigitsending (FI-623)

Type:	enum
Default Value:	0
Remarks:	DTFM, MF, etc.

2.3.7.20 tkpresentationbit (FI-40)

Type:	enum
Migration Source:	PresentationBit
Remarks:	CLID presentationBit: allowed = 1, restricted = 2

2.3.7.21 tksilencesuppressionthreshold (FI-38)

Type:	enum
Migration Source:	SilenceSuppressionThreshold
Remarks:	in dbm0

2.3.7.22 tkstartdialprotocol (FI-624)

Type:	enum
Default Value:	0
Remarks:	Immediate, Wink Start, etc.

2.3.7.23 tktrunk (FI-20)

Type:	enum
Migration Source:	PortType
Remarks:	The type of trunk. (Ground Start, Loop Start, DID, POTS, E&M)

2.3.7.24 tktrunkdirection (FI-21)

Type:	enum
Migration Source:	Direction
Remarks:	Inbound, outbound and both are valid Directions. Outbound equates to DOD. Both only allowed on Ground Start (GS)

2.3.7.25 tktrunklevel (FI-306)

Type:	enum
Migration Source:	was "ApplicationType"

2.3.7.26 tktrunkpad_rx (FI-28)	
Type:	enum
Migration Source:	RxPad
2.3.7.27 tktrunkpad_tx (FI-29)	
Type:	enum
Migration Source:	TxPad
2.3.7.28 unattendedport (FI-2387)	
Type:	bool (Null OK)
Default Value:	FALSE
2.3.7.29 xml (FI-935)	
Type:	string [24000] (Null OK)
Default Value:	NULL
Remarks:	Product specific configuration XML not used by CCM
Rule (RI-196):	Type: Validation (Insert/Update) This field is modified by this rule. Rule Name: AnalogAccessPort.xml validation Description: Product specific information for each AnalogAccess gateway port needs to be validated before storing in xml column. Validation is now performed using client side script at Admin pages. This involves reading the display instance xml (from scratch table) for the specific product, then for each parameter , read the corresponding rule xml record (scratch table) and validate the parameter value as defined in the rule. Test Condition: On Insert/Update of AnalogAccess port (FXS gateway port)
Uniqueness:	fkdevice + portnum is unique. (MFI-1)

2.3.8 applicationdialrule (TI-252)

Description:	Holds Dial Rule Info.

Fields:

2.3.8.1 description (FI-1771)	
Type:	string [50]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,50}$
2.3.8.2 digitsremoved (FI-1774)	
Type:	long
Default Value:	0
Check Constraint:	(Digitsremoved >=0) AND (Digitsremoved <=100)
2.3.8.3 name (FI-1770)	
Type:	string [50] (Unique)
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{1,50}$
2.3.8.4 numbeginwith (FI-1772)	
Type:	string [50]
Default Value:	EMPTY
Validation:	^[0-9*#+]{0,50}$
2.3.8.5 numofdigits (FI-1773)	
Type:	long
Default Value:	0
Check Constraint:	(numofdigits >=0) AND (numofdigits <=100)
2.3.8.6 pkid (FI-1769)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.8.7 prefix (FI-1775)	
Type:	string [50]
Default Value:	EMPTY
Validation:	^[0-9*#+]{0,50}$
2.3.8.8 priority (FI-1776)	
Type:	long

	Default Value:	0
	2.3.8.9 tkapplicationdialrule (FI-2885)	
	Type:	enum
	Remarks:	The type of Dial Rule. (Basic, Directory)
Uniqueness:	priority + tkapplicationdialrule is unique. (MFI-89)	
Constraints:	Rule (RFI-142):	Type: Inter-field Condition and Constraint Constraint: (Digitsremoved >0) OR (Prefix <> '') Remarks: Either Prefix pattern must be defined, or Digits to be removed must be > 0

2.3.9 applicationuser (TI-230)

Description:	Special Application users of CCM system. These users will not show up in a list of users shown to a customer	
Fields:	**2.3.9.1 aclallowreplace (FI-2590)**	
	Type:	bool
	Default Value:	FALSE
	Remarks:	Whether SIP header replacement allowed
	2.3.9.2 acloobsubscription (FI-2485)	
	Type:	bool
	Default Value:	FALSE
	Remarks:	Obsolete
	2.3.9.3 acloodrefer (FI-2486)	
	Type:	bool
	Default Value:	FALSE
	2.3.9.4 aclpresencesubscription (FI-2487)	
	Type:	bool
	Default Value:	FALSE
	2.3.9.5 aclunsolicitednotification (FI-2488)	
	Type:	bool
	Default Value:	FALSE

2.3.9.6 fkmatrix_presence (FI-2508)

Type:	guid
Default Value:	ad243d17-98b4-4118-8feb-5ff2e1b781ac
Remarks:	Pkid for Presence Group Matrix record. This is required for extension mobility. Appuser table does not need this because appuser cannot do extension mobility.

2.3.9.7 isstandard (FI-2047)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Created during installation.

2.3.9.8 name (FI-1659)

Type:	string [50] (Unique, Indexed)
Remarks:	Records inserted by install.
Rule (RI-57):	

Type:	Validation (Insert/Update)
Rule Name:	AppUser Name Uniqueness
Description:	An AppUser Name cannot be the same as an EndUser UserID
Test Condition:	IF (AppUser.Name IN (SELECT userid FROM EndUser)) THEN throw exception
Error Message:	AppUser Name already exists as an EndUser. AppUser Name cannot be the same as an EndUser's userid.
Remedy:	Provide a unique name for the Application User that is not the same as an EndUser userid.

2.3.9.9 passwordreverse (FI-2388)

Type:	string [128] (Null OK)
Default Value:	69c4f936f9cdf45f6bbca2570c31215629bb5d6fb97493478b8ff3db6fffbc55
Validation:	^[a-fA-F0-9]{0,128}$
Remarks:	Used for digest authentication

2.3.9.10 pkid (FI-1658)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

	Rule (RI-398):	Type:	Active (Insert)
		Rule Name:	Automatically Insert Credential (Password only) record for ApplicationUsers
		Description:	When an ApplicationUser is inserted, automatically generate Credential record for Password with default policy specified in CredentialPolicyDefault table. Policy is not applied until Credential is updated for the first time.
		Test Condition:	ON INSERT INTO ApplicationUser:
Uniqueness:	No multicolumn uniqueness constraints		

2.3.10 applicationusercapfmap (TI-353)

Description: 1-N relation between App User to CAPF

Fields:

2.3.10.1 authenticationstring (FI-2622)

Type:	string [50]
Default Value:	EMPTY

2.3.10.2 fkapplicationuser (FI-2630)

Type:	guid (Indexed, Cascade Delete, Not Modifiable)
Migration Source:	ApplicationUser.pkid

2.3.10.3 instanceid (FI-2631)

Type:	string [128] (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Validation:	^[a-zA-Z0-9]{1,128}$
Remarks:	To distinguish multiplicity for a single user.

Rule (RI-321):	Type:	Validation (Insert/Update)
	Rule Name:	InstanceID unique across App and EndUserCAPFMaps
	Description:	InstanceID must be unique across both UserCAPFMap tables (ApplicationUserCAPFMap and EndUserCAPFMap)
	Test Condition:	ON INSERT/UPDATE IN ApplicationUserCAPFMap OR EndUserCAPFMap IF (SELECT COUNT(*) FROM <table> WHERE lower(InstanceID) = lower(@instanceID)) > 1 THEN throw exception
	Error Message:	Cannot insert duplicate instance ID in EndUserCAPFMap or ApplicationUserCAPFMap
	Remedy:	Make sure the instance ID is unique across both the Application and End-User CAPF instances and try again.

2.3.10.4 packetcapturereduration (FI-2621)

Type:	long (Null OK)
Default Value:	0

2.3.10.5 pkid (FI-2629)

Type:	guid (Unique, Indexed, Not Modifiable)	
Default Value:	newid()	
Remarks:	Unique ID to identify a record.	
Rule (RI-314):	Type:	Active (Delete)
	Rule Name:	cascade delete in NumPlanASMap
	Description:	on enduserASMap delete, delete NumPlanASMap
	Test Condition:	delete enduserASMap record
Rule (RI-373):	Type:	Active (Insert)
	Rule Name:	Insert Dynamic Records for ApplicationUserCAPFMap Table
	Description:	When an Application User is mapped to a credentials (CAPF record), insert a record for the frequently updated fields
	Test Condition:	ON INSERT INTO ApplicationUserCAPFMap

2.3.10.6 subjectname (FI-2879)

Type:	string [128]
Default Value:	EMPTY
Remarks:	Subject name of the certificate

2.3.10.7 tkauthenticationmode (FI-2625)	
Type:	enum
Default Value:	2
2.3.10.8 tkcertificate (FI-2627)	
Type:	enum
Default Value:	0
2.3.10.9 tkcertificateoperation (FI-2628)	
Type:	enum
Default Value:	1
Remarks:	Certificate Operation
2.3.10.10 tkcertificatestatus (FI-2623)	
Type:	enum
Default Value:	1
2.3.10.11 tkkeysize (FI-2626)	
Type:	enum
Default Value:	2
2.3.10.12 tkpacketcapturemode (FI-2620)	
Type:	enum
Default Value:	0
2.3.10.13 upgradefinishtime (FI-2624)	
Type:	string [50]
Default Value:	EMPTY
Uniqueness:	fkapplicationuser + instanceid is unique. (MFI-82)

2.3.11 applicationusercapfmapdynamic (TI-442)

Description:	Frequently updated settings for Application User CAPF settings

Fields:

2.3.11.1 datetimestamp (FI-3311)

Type:	long
Default Value:	0
Rule (RI-400):	Type: Active (Insert/Update) Rule Name: Update the DateTimeStamp for Dynamic records Description: When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value Test Condition: ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
Rule (RI-400):	Type: Active (Insert/Update) This field is modified by this rule. Rule Name: Update the DateTimeStamp for Dynamic records Description: When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value Test Condition: ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);

2.3.11.2 fkapplicationusercapfmap (FI-3310)

Type:	guid (Unique, Cascade Delete)

2.3.11.3 fkprocessnode (FI-2878)

Type:	guid (Null OK)
Default Value:	NULL
Check Constraint:	fkProcessNode != '00000000-1111-0000-0000-000000000000'
Remarks:	The server to which this user, with this certificate, has opened a CTI provider.

2.3.11.4 pkid (FI-3309)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.11.5 userstate (FI-3016)

Type:	long
Default Value:	0

Uniqueness: No multicolumn uniqueness constraints

2.3.12 applicationuserdevicemap (TI-297)

Description:	Maps controllability between App Users & Devices.
Fields:	**2.3.12.1 description (FI-2076)**
	Type: string [200]
	Default Value: EMPTY
	Validation: ^[^"""]{0,50}$
	Remarks: ApplicationUser-entered description of a controlled device (allows Unicode).
	2.3.12.2 fkapplicationuser (FI-2078)
	Type: guid (Cascade Delete)
	2.3.12.3 fkdevice (FI-2077)
	Type: guid (Cascade Delete)
	2.3.12.4 pkid (FI-2079)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.12.5 tkuserassociation (FI-2390)
	Type: enum
Uniqueness:	fkdevice + fkapplicationuser + tkuserassociation is unique. (MFI-76)

2.3.13 applicationuserdirgroupmap (TI-238)

Description:	Similar to UserGroupMap to group ApplicationUser into a DirGroup

Fields:

2.3.13.1 fkapplicationuser (FI-1685)

Type:	guid (Cascade Delete)

2.3.13.2 fkdirgroup (FI-1686)

Type:	guid (Cascade Delete)	
Rule (RI-201):	Type:	Validation (Update/Delete)
	Rule Name:	Standard CCM Super Users Group Restriction
	Description:	The CCM Super Users Group must contain at least one application user at all times to prevent locking primary administrator out of the system.
	Test Condition:	ON DELETE FROM ApplicationUserDirGroupMap IF (DirGroup = 'CCM Super User') AND (SELECT COUNT(*) FROM ApplicationUserDirGroupMap = 0) THEN throw exception; ON UPDATE ApplicationUserDirGroupMap IF (DirGroup = 'CCM Super User') AND (old_fkDirGroup <> new_fkDirGroup) THEN throw exception
	Error Message:	CCM Super User Group must contain at least one application user at all times.
	Remedy:	Add another Application User to be the CCM Super User before removing the current user.

2.3.13.3 isstandard (FI-2052)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	If standard set true during installation. Standard groups are only modifiable by installations.

2.3.13.4 pkid (FI-1684)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Uniqueness: fkdirgroup + fkapplicationuser is unique. (MFI-75)

2.3.14 applicationusernumplanmap (TI-355)

Description: To keep M-N relation between App User & NumPlan

Fields:	**2.3.14.1 fkapplicationuser (FI-2645)**
	Type: guid (Cascade Delete)
	2.3.14.2 fknumplan (FI-2646)
	Type: guid (Cascade Delete)
	2.3.14.3 pkid (FI-2644)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.14.4 tkdnusage (FI-2647)
	Type: enum
Uniqueness:	No multicolumn uniqueness constraints

2.3.15 appserver (TI-372)

Description:	Denotes the various Application servers that a CCM communicates with
Fields:	**2.3.15.1 administrationurl (FI-3564)**
	Type: string [255]
	Default Value: EMPTY
	Validation: ^[]a-zA-Z0-9!#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$
	Remarks: Used to create a link to the Administrative application for the AppServer
	2.3.15.2 enduserurl (FI-3567)
	Type: string [255]
	Default Value: EMPTY
	Validation: ^[]a-zA-Z0-9!#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$
	Remarks: Used to create a link to the EndUser application for the AppServer
	2.3.15.3 fkprocessnode (FI-3716)
	Type: guid (Null OK)
	Default Value: NULL
	Remarks: Allows an application server's settings to be associated with a specific server in the cluster

2.3.15.4 ipaddr (FI-2758)

Type:	string [15]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])$
Remarks:	IP Address of the App server.

2.3.15.5 name (FI-2756)

Type:	string [50]	
Rule (RI-420):	Type:	Validation (Insert/Update)
	Rule Name:	AppServer.Name with .localdomain restriction
	Description:	For each type of application server, only one instance can have the .localdomain suffix in the name. For tkAppServer=3, AppServer.Name cannot have duplicate values. AppServer.Name cannot have a value already existing for ProcessNode.Name
	Test Condition:	ON INSERT/UPDATE IN AppServer: Check that there is only one AppServer entry with .localdomain per tkAppServer type. Check that new AppServer.Name is not equal to any old Appserver.Name for tkAppServer=3.Check that new AppServer.Name is not equal to existing ProcessNode.Name
	Error Message:	Cannot assign more than one localdomain AppServer record per AppServer type.Cannot not have more than one Cisco Unified Presence Server with the same name as another Cisco Unified Presence Server or a Cisco Unified Communications Manager Server.
	Remedy:	Check the server name you entered to make sure it does not already exist as an Application Server or Cisco Unified Communications Manager Server
Rule (RI-474):	Type:	Validation (Update)
	Rule Name:	Preserve .localdomain suffix for CUCM BE Unity AppServer
	Description:	For Business Edition (co-res) install, an AppServer entry for Cisco Unity Connection is created with .localdomain suffix in the name. On update, make sure .localdomain is not removed.
	Test Condition:	ON UPDATE IN AppServer: IF (old_tkAppServer = APP_SERVER_UNITY_1_X) AND (old_name LIKE ('%.localdomain') AND new_name NOT LIKE ('%.localdomain') THEN throw exception END IF
	Error Message:	Cannot remove the .localdomain suffix for Cisco Unity Connection application server
	Remedy:	Include the .localdomain suffix in the appserver name.

2.3.15.6 pkid (FI-2755)

Type:	guid (Unique, Indexed, Not Modifiable)

Default Value:	newid()	
Remarks:	Unique ID to identify a record.	

2.3.15.7 tkappserver (FI-2757)

Type:	enum	
Rule (RI-420):	Type:	Validation (Insert/Update)
	Rule Name:	AppServer.Name with .localdomain restriction
	Description:	For each type of application server, only one instance can have the .localdomain suffix in the name. For tkAppServer=3, AppServer.Name cannot have duplicate values. AppServer.Name cannot have a value already existing for ProcessNode.Name
	Test Condition:	ON INSERT/UPDATE IN AppServer: Check that there is only one AppServer entry with .localdomain per tkAppServer type. Check that new AppServer.Name is not equal to any old Appserver.Name for tkAppServer=3.Check that new AppServer.Name is not equal to existing ProcessNode.Name
	Error Message:	Cannot assign more than one localdomain AppServer record per AppServer type.Cannot not have more than one Cisco Unified Presence Server with the same name as another Cisco Unified Presence Server or a Cisco Unified Communications Manager Server.
	Remedy:	Check the server name you entered to make sure it does not already exist as an Application Server or Cisco Unified Communications Manager Server
Rule (RI-474):	Type:	Validation (Update)
	Rule Name:	Preserve .localdomain suffix for CUCM BE Unity AppServer
	Description:	For Business Edition (co-res) install, an AppServer entry for Cisco Unity Connection is created with .localdomain suffix in the name. On update, make sure .localdomain is not removed.
	Test Condition:	ON UPDATE IN AppServer: IF (old_tkAppServer = APP_SERVER_UNITY_1_X) AND (old_name LIKE ('%.localdomain') AND new_name NOT LIKE ('%.localdomain') THEN throw exception END IF
	Error Message:	Cannot remove the .localdomain suffix for Cisco Unity Connection application server
	Remedy:	Include the .localdomain suffix in the appserver name.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.16 appserverapplicationusermap (TI-407)

Description:	This table will hold the relationship on the CCM side between application server and application user used to log into application server

Fields:	**2.3.16.1 content (FI-3341)**	
	Type:	text (Null OK)
	2.3.16.2 fkapplicationuser (FI-3029)	
	Type:	guid (Cascade Delete)
	2.3.16.3 fkappserver (FI-3028)	
	Type:	guid (Cascade Delete)
	2.3.16.4 pkid (FI-3027)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.17 appserverinfo (TI-373)

Description:	Contains info pertaining to App servers	
Fields:	**2.3.17.1 content (FI-2761)**	
	Type:	text (Null OK)
	Default Value:	NULL
	2.3.17.2 fkappserver (FI-2763)	
	Type:	guid (Cascade Delete)
	2.3.17.3 pkid (FI-2760)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.17.4 tkappservercontent (FI-2762)	
	Type:	enum
Uniqueness:	No multicolumn uniqueness constraints	

2.3.18 availdialplan (TI-405)

Description:	Available DialPlan table Records may be modified only by installation and/or DB triggers.

Fields:

2.3.18.1 availableversion (FI-3012)

Type:	string [15] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Version number of the Dial Plan installer

2.3.18.2 description (FI-3011)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Description of the Dial Plan (e.g., North American Numbering Plan)

2.3.18.3 dialplan (FI-3010)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Name of the Dial Plan (e.g., NANP)

2.3.18.4 pkid (FI-3009)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.18.5 systemdialplan (FI-3031)

Type:	guid (Not Modifiable)
Remarks:	Unique ID of the Dial Plan as it appears in the DialPlan table (DialPlan.pkid)

Uniqueness:	availableversion + systemdialplan is unique. (MFI-92)

2.3.19 batfileinfo (TI-344)

Description:	Information of BAT Files

Fields:	**2.3.19.1 datecreated (FI-2552)**	
	Type:	long
	Remarks:	Date when the file is uploaded
	2.3.19.2 enduser (FI-2553)	
	Type:	string [50]
	Default Value:	EMPTY
	Remarks:	User who created this job
	2.3.19.3 isfilefound (FI-2605)	
	Type:	bool
	Default Value:	TRUE
	Remarks:	Date when the file is uploaded
	2.3.19.4 name (FI-2547)	
	Type:	string [100]
	Validation:	^[a-zA-Z 0-9._-]{1,100}$
	Remarks:	BAT File Name
	2.3.19.5 pkid (FI-2546)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.19.6 tkbatfunction (FI-2549)	
	Type:	enum
	Remarks:	File Transaction
Uniqueness:	No multicolumn uniqueness constraints	

2.3.20 batfileinfojobmap (TI-347)

Description:	Mapping of Fileinfo and job

Fields:	**2.3.20.1 fkbatfileinfo (FI-2571)**	
	Type:	guid (Cascade Delete)
	2.3.20.2 fkbatjob (FI-2572)	
	Type:	guid (Cascade Delete)
	2.3.20.3 pkid (FI-2570)	
	Type:	guid (Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.21 batinputdata (TI-345)

Description:	Input data other than csv files	
Fields:	**2.3.21.1 data (FI-2557)**	
	Type:	string [32000]
	Default Value:	EMPTY
	Remarks:	Input Data for BAT Jobs
	2.3.21.2 name (FI-2556)	
	Type:	string [50]
	2.3.21.3 pkid (FI-2555)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.21.4 tkbatfunction (FI-2607)	
	Type:	enum
	Remarks:	Type of Input Data
	2.3.21.5 tkbatusage (FI-2558)	
	Type:	enum
	Remarks:	Type of Input Data

Uniqueness:	No multicolumn uniqueness constraints

2.3.22 batinputdatajobmap (TI-348)

Description:	Mapping pf BATInputData and Job
Fields:	**2.3.22.1 fkbatinputdata (FI-2574)**
	Type: guid (Cascade Delete)
	2.3.22.2 fkbatjob (FI-2575)
	Type: guid (Cascade Delete)
	2.3.22.3 pkid (FI-2573)
	Type: guid (Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints

2.3.23 batjob (TI-341)

Description:	Job submitted via BAT
Fields:	**2.3.23.1 description (FI-2538)**
	Type: string [100]
	Default Value: EMPTY
	Validation: ^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,100}$
	Remarks: Description of the Job
	2.3.23.2 enduser (FI-2649)
	Type: string [50]
	Default Value: EMPTY
	Remarks: User who created this job
	2.3.23.3 fkdevice (FI-2535)
	Type: guid (Cascade Delete, Null OK)
	Remarks: Template Information is provided from this device

2.3.23.4 fkenduser (FI-2663)	
Type:	guid (Cascade Delete, Null OK)
Remarks:	Template Information is provided for this User
2.3.23.5 fkmgcp (FI-2536)	
Type:	guid (Cascade Delete, Null OK)
Remarks:	Template Information is provided from this MGCP
2.3.23.6 fknumplan (FI-2537)	
Type:	guid (Cascade Delete, Null OK)
Remarks:	Template Information is provided from this DNorPattern
2.3.23.7 frequencyjobend (FI-2533)	
Type:	long (Null OK)
Remarks:	Denotes when a recurring job ends
2.3.23.8 jobid (FI-2847)	
Type:	long (Unique, Indexed)
Remarks:	unique ID to track Jobs.
2.3.23.9 pkid (FI-2527)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.23.10 scheduleddatetime (FI-2531)	
Type:	long
Remarks:	Denotes the job schedule time.
2.3.23.11 sequence (FI-2530)	
Type:	long
Check Constraint:	(sequence >= 0) AND (sequence <= 20)
Remarks:	A number to resolve job execution order when they are scheduled together.
2.3.23.12 submitdatetime (FI-2532)	
Type:	long
Remarks:	Denotes when the job is submitted

2.3.23.13 tkbatfrequency (FI-2534)	
Type:	enum
2.3.23.14 tkbatfunction (FI-2528)	
Type:	enum
2.3.23.15 tkbatjobstatus (FI-2606)	
Type:	enum
Remarks:	Holds the Status of the Job
Uniqueness:	No multicolumn uniqueness constraints

2.3.24 batjobresults (TI-346)

Description:	Results of BAT Jobs
Fields:	
2.3.24.1 fkbatjob (FI-2561)	
Type:	guid (Cascade Delete)
Remarks:	Job for which the results are displayed
2.3.24.2 isfilefound (FI-2608)	
Type:	bool
Default Value:	TRUE
Remarks:	Status of the Job
2.3.24.3 launchdatetime (FI-2567)	
Type:	long
Default Value:	0
Remarks:	Data time when job is started
2.3.24.4 logfilename (FI-2562)	
Type:	string [50]
Default Value:	EMPTY
Remarks:	Name of the log file
2.3.24.5 numrecordsfailed (FI-2565)	
Type:	long

	Default Value:	0
	Remarks:	Number of Records Failed
	2.3.24.6 numrecordsprocessed (FI-2664)	
	Type:	long
	Default Value:	0
	Remarks:	Total Number of Records processed
	2.3.24.7 numrecordstotal (FI-2566)	
	Type:	long
	Default Value:	0
	Remarks:	Total Number of Records processed
	2.3.24.8 pkid (FI-2560)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.24.9 tkbatresultstatus (FI-2568)	
	Type:	enum
	Remarks:	Status of the Job
Uniqueness:	No multicolumn uniqueness constraints	

2.3.25 billingserver (TI-386)

Description:	Off cluster billing server

Fields:

2.3.25.1 directory (FI-2868)	
Type:	string [255]
Default Value:	EMPTY
2.3.25.2 hostname (FI-2865)	
Type:	string [255]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$
Remarks:	FQDN or IP
2.3.25.3 password (FI-2867)	
Type:	string [128]
Default Value:	EMPTY
2.3.25.4 pkid (FI-2863)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.25.5 preserve (FI-2998)	
Type:	bool
Default Value:	FALSE
2.3.25.6 resendonfailure (FI-3702)	
Type:	bool
Default Value:	TRUE
Remarks:	Tells CDRM whether or not to send CDR/CMR fiiles after FTP connection is restored.
2.3.25.7 selorder (FI-2864)	
Type:	long
Default Value:	1
Check Constraint:	((selorder >= 1) AND (selorder <=3))
Remarks:	order of server
2.3.25.8 tkbillingserverprotocol (FI-2869)	
Type:	enum

	Default Value:	0
	Remarks:	conf Bridge location
	2.3.25.9 userid (FI-2866)	
	Type:	string [255]
	Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints	

2.3.26 blfdirectedcallpark (TI-426)

Description:	Busy lamp monitor entries for Directed Call Park feature		
Fields:	**2.3.26.1 blfindex (FI-3231)**		
	Type:	long	
	Check Constraint:	blfindex > 0	
	Remarks:	This field identifies the Directed Call Park Monitor button on the phone (for example, 1, 2, 3, or 4).	
	2.3.26.2 fkdevice (FI-3232)		
	Type:	guid (Cascade Delete)	
	Rule (RI-347):	Type:	Documentation (Developer notes only)
		Rule Name:	BLF Directed CallPark device restriction
		Description:	Device referenced in BLFDirectedCallPark table should support the Directed Call Park feature; Database does not enforce a hard rule on the relationship between this table and device. Instead the feature is available if a phone has a BLF Directed Call Park button.
		Test Condition:	No check performed. Feature is available or not depending on whether or not a phone button for the feature is configured on the device.
	Rule (RI-421):	Type:	Active (Insert/Update/Delete records)
		Rule Name:	device versionstamp on direct call park busylampfield
		Description:	Any operation on direct call park busylampfield, update device deviceversionstamp record
		Test Condition:	update dpark busylampfield
	2.3.26.3 fknumplan (FI-3233)		
	Type:	guid (Cascade Delete)	

	Rule (RI-348):	Type:	Validation (Insert/Update)
		Rule Name:	BLF Directed CallPark number must be a Directed Call Park destination
		Description:	The NumPlan item referenced in BLFDirectedCallPark table must be a diable Directed Call Park pattern. The pattern must contain only dialable digits (0-9, * and #) and may not contain wildcards (X) or expressions with brackets.
		Test Condition:	ON INSERT/UPDATE in BLFDirectedCallPark: SELECT tkPatternUsage, DNOrPattern INTO patternUsage, pattern FROM NumPlan WHERE pkid = new_fkNumPLan; IF (patternUsage <> PATTERN_USAGE_DIRECTED_CALL_PARK) OR (re_compare(pattern, "^[0-9*#]+$") <> 1) THEN throw exception;
		Error Message:	The BLF Directed Call Park number must be a dialable Directed Call Park Destination
		Remedy:	Make sure the Destination is a dialable Directed Call Park number and try again.
	2.3.26.4 label (FI-3234)		
	Type:	string [200]	
	Default Value:	EMPTY	
	Validation:	^[^"""%&<>]{0,50}$	
	Remarks:	The text that appears for the BLF Directed Call Park button (allows Unicode).	
	2.3.26.5 labelascii (FI-3235)		
	Type:	string [50]	
	Default Value:	EMPTY	
	Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{0,50}$	
	Migration Source:	BLF.label if all chars are less than 127	
	Remarks:	A safe version of the BLF Directed Call Park Button Label using only English letters (a to Z) and punctuation.	
	2.3.26.6 pkid (FI-3236)		
	Type:	guid (Unique, Indexed, Not Modifiable)	
	Default Value:	newid()	
	Migration Source:	Generated	
	Remarks:	Unique ID to identify a record.	
Uniqueness:	blfindex + fkdevice is unique. (MFI-98) fkdevice + fknumplan is unique. (MFI-99)		

2.3.27 blfspeeddial (TI-350)

Description:	Keeps line status of internal DNs

Fields:

2.3.27.1 blfdestination (FI-2713)

Type:	string [127]
Default Value:	EMPTY
Migration Source:	Value_
Remarks:	This is the number or url that the system dials when the user presses the speed-dial button.

Rule (RI-326):

Type:	Validation (Insert/Update)
Rule Name:	Check BLF SpeedDial Destination for URI
Description:	Destinations can be URIs only if the phone supports the additional feature BLF Speed Dial with URI
Test Condition:	ON INSERT/UPDATE IN BusyLampField (IF BLFDestination LIKE '%@%' AND SELECT COUNT (*) FROM ProductSupportsFeature where tkProduct = @product AND tkDeviceProtocol IN (@DeviceProtocol, 99) AND tkSupportsFeature = 62) = 0 THEN throw exception
Error Message:	This device does not support URI dialing.
Remedy:	Make sure the Destination is numeric and try again.

2.3.27.2 blfindex (FI-2596)

Type:	long
Migration Source:	Index_
Remarks:	This field identifies the speed-dial button on the phone (for example, 1, 2, 3, or 4).

2.3.27.3 blfsdoptionbitmask (FI-3529)

Type:	long
Default Value:	0
Check Constraint:	(BLFSDOptionBitmask >= 0) AND (BLFSDOptionBitmask <= 1)
Remarks:	A Bitmask comprised of valid combinations of values from TypeBLFSpeedDialOption (0 or 1 in this release)

2.3.27.4 fkdevice (FI-2593)

Type:	guid (Indexed, Cascade Delete)
Migration Source:	pkid from Device

Rule (RI-23):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Synchronize Autogenerated Profile
	Description:	If the Enterprise Parameter for Autosync Profiles is true, the device referenced by Device. ikDevice_DefaultProfile, if it is an autogenerated profile, must be updated to match the settings of the phone
	Test Condition:	If ((SELECT COUNT(*) FROM ProcessConfig WHERE ParamName = 'enableAutoDeviceProfileSynChronize' AND ParamValue = 'T') AND (SELECT COUNT(*) FROM Device WHERE Device.pkid = @Device.ikDevice_DefaultProfile AND Device.tkDeviceProfile = 2)) Then update (refresh) Autogenerated Device Profile
Rule (RI-313):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	device versionstamp on busylampfield
	Description:	Any operation on busylampfield, update device deviceversionstamp record
	Test Condition:	update busylampfield
Rule (RI-326):	Type:	Validation (Insert/Update)
	Rule Name:	Check BLF SpeedDial Destination for URI
	Description:	Destinations can be URIs only if the phone supports the additional feature BLF Speed Dial with URI
	Test Condition:	ON INSERT/UPDATE IN BusyLampField (IF BLFDestination LIKE '%@%' AND SELECT COUNT (*) FROM ProductSupportsFeature where tkProduct = @product AND tkDeviceProtocol IN (@DeviceProtocol, 99) AND tkSupportsFeature = 62) = 0 THEN throw exception
	Error Message:	This device does not support URI dialing.
	Remedy:	Make sure the Destination is numeric and try again.

2.3.27.5 fknumplan (FI-2855)

Type:	guid (Cascade Delete, Null OK)
Default Value:	NULL
Remarks:	pointer to dn and partionion if null use destination

2.3.27.6 label (FI-2592)

Type:	string [120]
Default Value:	EMPTY
Validation:	^[^"""%&<>]{0,30}$

	Migration Source:	NULL
	Remarks:	The text that appears for the BLF Speed Dial button (allows Unicode).
	2.3.27.7 labelascii (FI-2597)	
	Type:	string [30]
	Default Value:	EMPTY
	Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{0,30}$
	Migration Source:	BLF.label if all chars are less than 127
	Remarks:	A safe version of the BLF Speed Dial Button Label using only English letters (a to Z) and punctuation.
	2.3.27.8 pkid (FI-2594)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
Uniqueness:	blfindex + fkdevice is unique. (MFI-93)	
Constraints:	Rule (RFI-187):	Type: Inter-field Condition and Constraint
		Constraint: ((BLFDestination = '') AND (fkNumPlan IS NOT NULL)) OR ((BLFDestination <> '') AND (fkNumPlan IS NULL))
		Remarks: Either an existing internal DN or an external destination can be specified for BLF Speed Dial, but not both.

2.3.28 callerfilterlist (TI-450)

Description:	List of allowed or blocked callers for Mobility

Fields:

2.3.28.1 description (FI-3397)

Type:	text
Default Value:	EMPTY
Validation:	^[^\x00-\x1F\x7F"""]{1,128}$

2.3.28.2 fkenduser (FI-3399)

Type:	guid (Cascade Delete, Not Modifiable, Null OK)
Default Value:	NULL
Remarks:	Owner of CallerFilterList
Rule (RI-387):	

Type:	Validation (Insert/Update)
Rule Name:	CallerFilterList limited to 250 per EndUser
Description:	An End-User may create up to 250 CallerFilterLists
Test Condition:	ON INSERT INTO CallerFilterList: IF (SELECT COUNT(*) FROM CallerFilterList where fkEndUser = new_fkEndUser) > 250 THEN throw exception
Error Message:	Cannot have more than 250 CallerFilterLists for an EndUser
Remedy:	Remove some CallerFilterLists or consider combining some lists

2.3.28.3 isallowedtype (FI-3398)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	False = Blocked; True = Allowed

2.3.28.4 name (FI-3396)

Type:	string [200] (Indexed)
Validation:	^[^""%&\\<>]{0,50}$

2.3.28.5 pkid (FI-3395)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Uniqueness: fkenduser + name is unique. (MFI-102)

2.3.29 callerfilterlistmember (TI-451)

Description:	Members of CallerFilterLists

Fields:

2.3.29.1 dnmask (FI-3402)

Type:	dn
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	EMPTY
Validation:	^[!0-9*#+X]?[0-9*#+X]{0,46}[!0-9*#+X]?$
Remarks:	DN mask (allows 0-9, *, #, mask character X and +). Pattern can start and end with wildcard character (!)

Rule (RFI-155):

Type:	Inter-field Condition and Constraint
Test Condition:	tkCallerFilterMask = 0
Constraint:	(DNMask <> '')
Remarks:	Directory Number filter cannot have an empty DN Mask.

Rule (RFI-156):

Type:	Inter-field Condition and Constraint
Test Condition:	tkCallerFilterMask <> 0
Constraint:	(DNMask = '')
Remarks:	DN Mask is only used for Directory Number filter (not used with private number or number-not-available filter).

Rule (RI-389):

Type:	Validation (Insert/Update)
Rule Name:	CallerFilterListMember DNMask must be unique within list
Description:	The DNMask values within a CallerFilterList must be unique (if not empty); Number Not Available and Private Number filters do not use a DNMask
Test Condition:	ON INSERT/UPDATE INTO CallerFilterListMember:
Error Message:	The specified DN Mask already exists for this Caller Filter List.
Remedy:	Check the DN Mask and make sure it is unique for this list.

2.3.29.2 fkcallerfilterlist (FI-3403)

Type:	guid (Cascade Delete, Null OK)
Default Value:	NULL

Rule (RI-386):	Type:	Validation (Insert/Update)
	Rule Name:	CallerFilterListMember limited to 1000 per list
	Description:	A CallerFilterList may have up to 1000 members.
	Test Condition:	ON INSERT INTO CallerFilterListMember: IF (SELECT COUNT(*) FROM CallerFilterListMember WHERE fkCallerFilterList = new_fkCallerFilterList) > 1000 THEN throw exception;
	Error Message:	Cannot have more than 1000 members in a Caller Filter List.
	Remedy:	Remove some members of the list or combine similar filters using wildcards (* or X) if possible.
Rule (RI-389):	Type:	Validation (Insert/Update)
	Rule Name:	CallerFilterListMember DNMask must be unique within list
	Description:	The DNMask values within a CallerFilterList must be unique (if not empty); Number Not Available and Private Number filters do not use a DNMask
	Test Condition:	ON INSERT/UPDATE INTO CallerFilterListMember:
	Error Message:	The specified DN Mask already exists for this Caller Filter List.
	Remedy:	Check the DN Mask and make sure it is unique for this list.
Rule (RI-417):	Type:	Validation (Insert/Update)
	Rule Name:	Only one instance of Private or Not Available per Caller Filter List
	Description:	For any given Caller Filter List, only one (1) instance of Private or Not Available members may exist at any given time. However multiple number of Directory Number masks can be added
	Test Condition:	update DeviceMobilityDynamic
	Error Message:	IF (nCount > 1 AND new_tkcallerfiltermask <> 0) THEN throw exception;END IF;
	Remedy:	Only one instance of Private or Not Selected is allowed for any given Caller Filter List

2.3.29.3 pkid (FI-3400)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.29.4 tkcallerfiltermask (FI-3404)

Type:	enum
Default Value:	0

	Rule (RI-417):	Type:	Validation (Insert/Update)
		Rule Name:	Only one instance of Private or Not Available per Caller Filter List
		Description:	For any given Caller Filter List, only one (1) instance of Private or Not Available members may exist at any given time. However multiple number of Directory Number masks can be added
		Test Condition:	update DeviceMobilityDynamic
		Error Message:	IF (nCount > 1 AND new_tkcallerfiltermask <> 0) THEN throw exception;END IF;
		Remedy:	Only one instance of Private or Not Selected is allowed for any given Caller Filter List
Uniqueness:	No multicolumn uniqueness constraints		

2.3.30 callforwardalloverride (TI-457)

Description:	Obsolete (to be removed)

Fields:

2.3.30.1 callingpartynumber (FI-3427)

Type:	dn
DN Type:	DN_TYPE_MASK
Validation:	^[0-9A-D*#]{1,48}$
Remarks:	Calling Party Number for which calls should not be forwarded

2.3.30.2 fknumplan (FI-3426)

Type:	guid (Cascade Delete)
Remarks:	NumPlan record for DN to which Override is applied (the forwarded line)

2.3.30.3 pkid (FI-3425)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Uniqueness:	No multicolumn uniqueness constraints

2.3.31 callforwarddynamic (TI-434)

Description:	Frequently updated settings for Call Forward All Insert/Delete is not allowed.

Fields:

2.3.31.1 cfadestination (FI-183)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$
Migration Source:	convert from forward
Remarks:	Call Forward All (not a pattern)

2.3.31.2 cfavoicemailenabled (FI-1080)

Type:	bool
Default Value:	FALSE

2.3.31.3 datetimestamp (FI-3299)

Type:	long	
Default Value:	0	
Rule (RI-400):	Type:	Active (Insert/Update)
	Rule Name:	Update the DateTimeStamp for Dynamic records
	Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
	Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
Rule (RI-400):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	Update the DateTimeStamp for Dynamic records
	Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
	Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);

2.3.31.4 fkcallingsearchspace_cfa (FI-637)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Call Forward All

2.3.31.5 fkcallingsearchspace_scfa (FI-2765)

	Type:	guid (Null OK)
	Default Value:	NULL
	Migration Source:	from CSSforCFA Clause
	Remarks:	Secondary Call Forward All
	2.3.31.6 fknumplan (FI-3298)	
	Type:	guid (Unique, Cascade Delete)
	2.3.31.7 pkid (FI-3297)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.32 callingsearchspace (TI-73)

Description:	For Dial Plan - devices call to a calling search space made up of route partitions.		
Fields:	**2.3.32.1 clause (FI-695)**		
	Type:	memo (Not Modifiable, Null OK)	
	Default Value:	NULL	
	Remarks:	Ordered list of colon separated RoutePartition Names via CallingSearchSpaceMember	
	Rule (RI-5):	Type:	Active (Insert/Update/Delete records) This field is modified by this rule.
		Rule Name:	CSS Clause Update on Member Insert/Delete
		Description:	When a new CSS Member record (new partition) is inserted, or an existing record is modified, the CSS Clause of the referenced CSS (CallingSearchSpaceMember.fkCallingSearchSpace) must be updated to reflect the change
		Test Condition:	Insert or Update in CallingSearchSpaceMember

Rule (RI-6):	Type:	Active (Insert/Update/Delete records) This field is modified by this rule.
	Rule Name:	CSS Clause Update on Member Update
	Description:	If any information about a CSS Member changes (sort order, referenced partition), the CSS Clause must be updated to reflect the change
	Test Condition:	Updates in CallingSearchSpaceMember
Rule (RI-7):	Type:	Active (Insert/Update/Delete records) This field is modified by this rule.
	Rule Name:	CSS Clause Update on Route Partition Name Update
	Description:	If the name of a Route Partition changes, any CSS Clause containing that partition must be updated to reflect the new name
	Test Condition:	RoutePartition.Name changes

2.3.32.2 description (FI-133)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{0,50}$
Migration Source:	N/A
Remarks:	Description for CallingSerachSpace.

2.3.32.3 dialplanwizardgenid (FI-676)

Type:	long (Indexed, Null OK)
Default Value:	NULL
Remarks:	This record created by DialPlanWizard

2.3.32.4 name (FI-132)

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,50}$
Migration Source:	N/A
Remarks:	Unique name

2.3.32.5 pkid (FI-131)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()

Migration Source:	Generated	
Remarks:	Unique ID to identify a record.	
Rule (RI-448):	Type:	Active (Delete)
	Rule Name:	Cannot delete pkid of css if useDevicePoolCdpnTransformCSS is false
	Description:	Cannot delete pkid of css if useDevicePoolCdpnTransformCSS is false
	Test Condition:	if CSS.pkid=device.fkCallingSearchSpace_CdPNTransform and useDevicePoolCdpnTransformCSS='f' then pkid of CSS cannot be deleted. IF useDevicePoolCdpnTransformCSS='t' THEN update device set fkCallingSearchSpace_CdPNTransform=NULL
	Error Message:	CSS cannot be deleted until it is first removed from the associated gateway if the useDevicePoolCdpnTransformCSS is false
Rule (RI-450):	Type:	Active (Delete)
	Rule Name:	Cannot delete pkid of css if useDevicePoolCgpnTransformCSS is false
	Description:	Cannot delete pkid of css if useDevicePoolCgpnTransformCSS is false
	Test Condition:	if CSS.pkid=device.fkCallingSearchSpace_CgPNTransform and useDevicePoolCgpnTransformCSS='f' then pkid of CSS cannot be deleted. IF useDevicePoolCgpnTransformCSS='t' THEN update device set fkCallingSearchSpace_CgPNTransform=NULL
	Error Message:	CSS cannot be deleted until it is first removed from the associated phone if the useDevicePoolCgpnTransformCSS is false

2.3.32.6 resettoggle (FI-3124)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset

2.3.32.7 tkpartitionusage (FI-3252)

Type:	enum (Not Modifiable)
Default Value:	99
Remarks:	Defines use of CSS (Intercom or other)

2.3.32.8 tkreset (FI-3125)

Type:	enum
Default Value:	2

	Remarks:	Set by DeviceReset stored procedure.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.33 callingsearchspacemember (TI-74)

Description: Lists the RoutePartitions in a Calling Search Space.

Fields:

2.3.33.1 fkcallingsearchspace (FI-135)

Type:	guid (Indexed, Cascade Delete, Not Modifiable)	
Migration Source:	new	
Rule (RI-252):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	BuildCSSClause
	Description:	On insert, update or delete of CSSMember rebuild the css clause for the associated CSS. Maximum length for the clause is 512 characters including the delimiters.
	Test Condition:	ON INSERT/UPDATE/DELETE IN CallingSearchSpaceMember: CSS Clause = Route Partition Names delimited by colon; IF LENGTH(CSSClause) > 512 THEN throw exception
	Error Message:	CSS Clause cannot exceed 512 characters
	Remedy:	Shorten the individual Partition names or use fewer partitions in the Calling Search Space
Rule (RI-367):	Type:	Validation (Insert/Update)
	Rule Name:	Intercom and other CSS/Partition cannot be mixed
	Description:	Intercom CSS can only contain Intercom Partitions. Non-Intercom CSS can only contain non-Intercom Partitions (partition usage must match for CSS and member partitions)
	Test Condition:	ON INSERT/UPDATE IN CallingSearchSpaceMember: IF ((SELECT tkPartitionUsage FROM RoutePartition WHERE pkid = new_fkRoutePartition) <> (SELECT tkPartitionUsage FROM CallingSearchSpace WHERE pkid = new_fkCallingSearchSpace)) THEN throw exception
	Error Message:	Intercom and non-Intercom partitions cannot be mixed
	Remedy:	Use only Intercom partitions for Intercom CSS, and only non-Intercom partitions for non-Intercom CSS

2.3.33.2 fkroutepartition (FI-136)

Type:	guid (Cascade Delete)

	Rule (RI-367):	Type:	Validation (Insert/Update)
		Rule Name:	Intercom and other CSS/Partition cannot be mixed
		Description:	Intercom CSS can only contain Intercom Partitions. Non-Intercom CSS can only contain non-Intercom Partitions (partition usage must match for CSS and member partitions)
		Test Condition:	ON INSERT/UPDATE IN CallingSearchSpaceMember: IF ((SELECT tkPartitionUsage FROM RoutePartition WHERE pkid = new_fkRoutePartition) <> (SELECT tkPartitionUsage FROM CallingSearchSpace WHERE pkid = new_fkCallingSearchSpace)) THEN throw exception
		Error Message:	Intercom and non-Intercom partitions cannot be mixed
		Remedy:	Use only Intercom partitions for Intercom CSS, and only non-Intercom partitions for non-Intercom CSS
	2.3.33.3 pkid (FI-134)		
	Type:	guid (Unique, Indexed, Not Modifiable)	
	Default Value:	newid()	
	Migration Source:	Generated	
	Remarks:	Unique ID to identify a record.	
	2.3.33.4 sortorder (FI-137)		
	Type:	long	
	Check Constraint:	SortOrder >= 0	
	Remarks:	Gaps in SortOrder are allowed - not rebuilt on delete	
	Rule (RI-6):	Type:	Active (Insert/Update/Delete records)
		Rule Name:	CSS Clause Update on Member Update
		Description:	If any information about a CSS Member changes (sort order, referenced partition), the CSS Clause must be updated to reflect the change
		Test Condition:	Updates in CallingSearchSpaceMember
Uniqueness:	fkcallingsearchspace + fkroutepartition is unique. (MFI-7) fkcallingsearchspace + sortorder is unique. (MFI-8)		

Rules:			
	Rule (RI-5):	Type:	Active (Insert/Update/Delete records) Rule applied when record is inserted or updated.
		Rule Name:	CSS Clause Update on Member Insert/Delete
		Description:	When a new CSS Member record (new partition) is inserted, or an existing record is modified, the CSS Clause of the referenced CSS (CallingSearchSpaceMember.fkCallingSearchSpace) must be updated to reflect the change
		Test Condition:	Insert or Update in CallingSearchSpaceMember
	Rule (RI-169):	Type:	Documentation (Developer notes only) Rule applied when record is inserted or updated.
		Rule Name:	CallingSearchSpaceMember - Limited by Clause
		Description:	Currently the number of members is limited by the length of the CallingSearchSpace.Clause (created when the names of the members are joined by a colon, e.g., Part1:Part2:Part3). This limitation is expected to be removed in a later release and replaced by a fixed maximum number of members.
		Test Condition:	SELECT LENGTH(Clause) FROM CallingSearchSpace WHERE pkid = @CallingSearchSpaceMember.fkCallingSearchSpace

2.3.34 callmanager (TI-5)

Description:	Lists every CallManager in the system.

Fields:

2.3.34.1 autoregistrationenddn (FI-537)

Type:	long
Default Value:	1000
Check Constraint:	(AutoregistrationEndDN >= 0) AND (AutoregistrationEndDN < 99999999)
Migration Source:	convert from PhoneNumRage.Last
Remarks:	This is the last directory number to use for auto-registration of devices. Specifying a valid range of directory numbers in the Starting Directory Number and Ending Directory Number fields automatically enables auto-registration. Setting the starting and ending directory numbers to the same value disables auto-registration.

Rule (RI-3):	Type:	Validation (Insert/Update)
	Rule Name:	Autoregistration DN Range
	Description:	The starting DN for autoregistration must be less than or equal to the ending DN.
	Test Condition:	CallManager.AutoregistrationStartDN < CallManager.AutoregistrationEndDN
	Error Message:	Invalid Autoregistration DN range - the starting DN must be less than the ending DN.
	Remedy:	Change the starting or ending DN so that the starting DN is less than the ending DN.
Rule (RI-160):	Type:	Documentation (Developer notes only)
	Rule Name:	CallManager AutoRegistration Disabled
	Description:	Auto-registration is disabled if the starting and ending values of the DN range for Auto-registration are the same. By default, registration is disabled with both start and end DN set to 1000.
	Test Condition:	CallManager.AutoregistrationStartDN = CallManager.AutoregistrationEndDN
Rule (RI-247):	Type:	Active (Update)
	Rule Name:	UpdStartDNEndDN
	Description:	Before update, if NEW.autoregstartdn > NEW.autoregnextdn) or (NEW.autoregenddn < NEW.autoregnnextdn, then set nextdn = startdn
	Test Condition:	?
	Error Message:	?
	Remedy:	?

2.3.34.2 autoregistrationnextdn (FI-538)

Type:	long
Default Value:	1000
Migration Source:	convert from PhoneNumRage.LastUsed
Remarks:	This field is incremented by Cisco CallManager after a device has autoregistered.

Rule (RI-4):	Type:	Validation (Insert/Update)
	Rule Name:	Autoregistration Next DN Range
	Description:	The next DN for autoregistration must be in the ranged defined by Starting and Ending DN
	Test Condition:	(CallManager.AutoregistrationNextDN >= CallManager.AutoregistrationStartDN) AND (CallManager.AutoregistrationNextDN <= CallManager.AutoregistrationEndDN)
	Error Message:	Invalid Next DN for Autoregistration - the Next Dn must be in the range defined by the starting and ending DN for this CallManager.
	Remedy:	Use the next available DN between the Starting and Ending DN for this CallManager.
Rule (RI-247):	Type:	Active (Update)
	Rule Name:	UpdStartDNEndDN
	Description:	Before update, if NEW.autoregstartdn > NEW.autoregnextdn) or (NEW.autoregenddn < NEW. autoregnnextdn, then set nextdn = startdn
	Test Condition:	?
	Error Message:	?
	Remedy:	?
Rule (RI-247):	Type:	Active (Update) This field is modified by this rule.
	Rule Name:	UpdStartDNEndDN
	Description:	Before update, if NEW.autoregstartdn > NEW.autoregnextdn) or (NEW.autoregenddn < NEW. autoregnnextdn, then set nextdn = startdn
	Test Condition:	?
	Error Message:	?
	Remedy:	?

2.3.34.3 autoregistrationstartdn (FI-536)

Type:	long
Default Value:	1000
Check Constraint:	(AutoregistrationStartDN >= 0) AND (AutoregistrationStartDN < 99999999)
Migration Source:	convert from PhoneNumRage.Start
Remarks:	This is the first directory number to use for auto-registration of devices.

Rule (RFI-108):	Type:	Inter-field Condition and Constraint
	Constraint:	AutoregistrationStartDN <= AutoregistrationEndDN
	Remarks:	The starting DN must be less than or equal to the ending DN
Rule (RI-3):	Type:	Validation (Insert/Update)
	Rule Name:	Autoregistration DN Range
	Description:	The starting DN for autoregistration must be less than or equal to the ending DN.
	Test Condition:	CallManager.AutoregistrationStartDN < CallManager.AutoregistrationEndDN
	Error Message:	Invalid Autoregistration DN range - the starting DN must be less than the ending DN.
	Remedy:	Change the starting or ending DN so that the starting DN is less than the ending DN.
Rule (RI-160):	Type:	Documentation (Developer notes only)
	Rule Name:	CallManager AutoRegistration Disabled
	Description:	Auto-registration is disabled if the starting and ending values of the DN range for Auto-registration are the same. By default, registration is disabled with both start and end DN set to 1000.
	Test Condition:	CallManager.AutoregistrationStartDN = CallManager.AutoregistrationEndDN
Rule (RI-247):	Type:	Active (Update)
	Rule Name:	UpdStartDNEndDN
	Description:	Before update, if NEW.autoregstartdn > NEW.autoregnextdn) or (NEW.autoregenddn < NEW. autoregnnextdn, then set nextdn = startdn
	Test Condition:	?
	Error Message:	?
	Remedy:	?

2.3.34.4 ctiid (FI-418)

Type:	identity (Unique, Not Modifiable)
Migration Source:	CallManagerID
Remarks:	Trigger set on insert. Try to keep number as small so reuse missing numbers. This value is used by CCM to identify itself to other CCM applications on other servers in the cluster.

Rule (RI-2):	Type:	Active (Insert) This field is modified by this rule.
	Rule Name:	Generate CTI ID value
	Description:	On insert of a new record generate a unique 32-bit integer value and store the result in the CTI ID field
	Test Condition:	On Insert

2.3.34.5 description (FI-165)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,50}$
Migration Source:	CallManagerName (Create record if record does not exist)
Remarks:	Description of the Cisco CallManager.

2.3.34.6 e164maskautoregistration (FI-618)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,24}$
Remarks:	The mask that is used to format caller ID information for external (outbound) calls that are made from the auto-registered devices. The mask can contain up to 50 characters. Enter the literal digits that you want to appear in the caller ID information and use Xs to represent the directory number of the auto-registered device.

2.3.34.7 ethernetphoneport (FI-166)

Type:	long
Default Value:	2000
Check Constraint:	(EthernetPhonePort >= 1024) AND (EthernetPhonePort <= 49151)
Migration Source:	EthernetPhonePort (if no record, read from SCM.ini or default to 2000)
Remarks:	Cisco CallManager uses this TCP port to communicate with the Cisco IP Phones on the network. Accept the default port of 2000 unless this port is already in use on your system. Ensure all port entries are unique. Valid port numbers range from 1024 to 49151.

Rule (RI-8):	Type:	Validation (Insert/Update)
	Rule Name:	CallManager TCP/IP Port Uniqueness
	Description:	The TCP/IP Ports used by a CallManager must be unique - two port settings may not have the same value
	Test Condition:	CallManager.AnalogAccessPort != CallManager.DigitalAccessPort != CallManager.EthernetPhonePort != CallManager.MGCPKeepAlivePort != CallManager.MGCPListenPort
Rule (RI-270):	Type:	Active (Insert/Update)
	Rule Name:	callmanager versionstamp
	Description:	on change to anything in callmanager table, update device versionstamp
	Test Condition:	update device

2.3.34.8 fkprocessnode (FI-420)

Type:	guid (Unique, Cascade Delete)
Check Constraint:	fkProcessNode != '00000000-1111-0000-0000-000000000000'
Migration Source:	CM's process node recently added
Remarks:	Select the server where this Cisco CallManager is installed.

Rule (RI-270):	Type:	Active (Insert/Update)
	Rule Name:	callmanager versionstamp
	Description:	on change to anything in callmanager table, update device versionstamp
	Test Condition:	update device

2.3.34.9 fkroutepartition_autoregistration (FI-590)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	The partition to which auto-registered directory numbers belong to.

2.3.34.10 mgcpkeepaliveport (FI-635)

Type:	long
Default Value:	2428
Check Constraint:	(MGCPKeepAlivePort >= 1024) AND (MGCPKeepAlivePort <= 49151)

Remarks:	Cisco CallManager uses this TCP port to exchange keepalive messages with its associated MGCP gateway. Accept the default port of 2428 unless this port is already in use on your system. Ensure all port entries are unique. Valid port numbers range from 1024 to 49151.	
Rule (RI-8):	Type:	Validation (Insert/Update)
	Rule Name:	CallManager TCP/IP Port Uniqueness
	Description:	The TCP/IP Ports used by a CallManager must be unique - two port settings may not have the same value
	Test Condition:	CallManager.AnalogAccessPort != CallManager.DigitalAccessPort != CallManager.EthernetPhonePort != CallManager.MGCPKeepAlivePort != CallManager.MGCPListenPort
Rule (RI-270):	Type:	Active (Insert/Update)
	Rule Name:	callmanager versionstamp
	Description:	on change to anything in callmanager table, update device versionstamp
	Test Condition:	update device

2.3.34.11 mgcplistenport (FI-634)

Type:	long	
Default Value:	2427	
Check Constraint:	(MGCPListenPort >= 1024) AND (MGCPListenPort <= 49151)	
Remarks:	Cisco CallManager uses this TCP port to detect messages from its associated MGCP gateway. Accept the default port of 2427 unless this port is already in use on your system. Ensure all port entries are unique. Valid port numbers range from 1024 to 49151.	
Rule (RI-8):	Type:	Validation (Insert/Update)
	Rule Name:	CallManager TCP/IP Port Uniqueness
	Description:	The TCP/IP Ports used by a CallManager must be unique - two port settings may not have the same value
	Test Condition:	CallManager.AnalogAccessPort != CallManager.DigitalAccessPort != CallManager.EthernetPhonePort != CallManager.MGCPKeepAlivePort != CallManager.MGCPListenPort
Rule (RI-270):	Type:	Active (Insert/Update)
	Rule Name:	callmanager versionstamp
	Description:	on change to anything in callmanager table, update device versionstamp
	Test Condition:	update device

2.3.34.12 name (FI-164)

Type:	string [50] (Unique)
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{1,50}$
Migration Source:	Description
Remarks:	Name of this CallManager.

2.3.34.13 pkid (FI-163)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
Rule (RI-270):	Type: Active (Insert/Update) Rule Name: callmanager versionstamp Description: on change to anything in callmanager table, update device versionstamp Test Condition: update device
Rule (RI-332):	Type: Active (Insert/Update) Rule Name: Prevent port conflict between CCMs and SIP Tunk Security Profiles Description: on I/U of SecurityProfile and CCM Test Condition: prevent bad port combinations

2.3.34.14 resettoggle (FI-3129)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset
Rule (RI-270):	Type: Active (Insert/Update) Rule Name: callmanager versionstamp Description: on change to anything in callmanager table, update device versionstamp Test Condition: update device

2.3.34.15 sipport (FI-2391)

Type:	long

	Default Value:	5060
	Check Constraint:	(SIPPort >= 1024) AND (SIPPort <= 49151)
	Migration Source:	EthernetPhonePort (if no record, read from SCM.ini or default to 2000)
	Remarks:	Cisco CallManager uses this port to communicate with the Cisco IP Phones on the network for SIP protocol. Accept the default port of 5060 unless this port is already in use on your system. Ensure all port entries are unique. Valid port numbers range from 1024 to 49151.
	Rule (RI-332):	Type: Active (Insert/Update) Rule Name: Prevent port conflict between CCMs and SIP Tunk Security Profiles Description: on I/U of SecurityProfile and CCM Test Condition: prevent bad port combinations
	2.3.34.16 sipsecuredport (FI-2392)	
	Type:	long
	Default Value:	5061
	Check Constraint:	(SIPSecuredPort >= 1024) AND (SIPSecuredPort <= 49151)
	Remarks:	Cisco CallManager uses this port for secured communication with the Cisco IP Phones on the network for SIP protocol. Accept the default port of 5061 unless this port is already in use on your system. Ensure all port entries are unique. Valid port numbers range from 1024 to 49151.
	Rule (RI-332):	Type: Active (Insert/Update) Rule Name: Prevent port conflict between CCMs and SIP Tunk Security Profiles Description: on I/U of SecurityProfile and CCM Test Condition: prevent bad port combinations
	2.3.34.17 tkreset (FI-3130)	
	Type:	enum
	Default Value:	2
	Remarks:	Set by DeviceReset stored procedure.
Uniqueness:	No multicolumn uniqueness constraints	

Constraints:	Rule (RFI-125):	Type:	Inter-field Condition and Constraint
		Constraint:	(EthernetPhonePort NOT IN (MGCPKeepAlivePort , MGCPListenPort)) AND (MGCPKeepAlivePort NOT IN (MGCPListenPort))
		Remarks:	Ports on an IP based system node must be unique.
Rules:	Rule (RI-2):	Type:	Active (Insert) Rule applied when record is inserted.
		Rule Name:	Generate CTI ID value
		Description:	On insert of a new record generate a unique 32-bit integer value and store the result in the CTI ID field
		Test Condition:	On Insert
	Rule (RI-168):	Type:	Validation (Insert/Update) Rule applied when record is inserted.
		Rule Name:	Max 255 CallManagers per Cluster
		Description:	A Cisco CallManager cluster may have no more than 255 CallManagers defined.
		Test Condition:	IF ((SELECT COUNT(*) FROM CallManager) > 255) THEN throw exception
		Error Message:	A Cisco CallManager cluster may have no more than 255 CallManagers defined.

2.3.35 callmanagergroup (TI-6)

Description:	Used for redundancy and rehoming of devices

Fields:

2.3.35.1 name (FI-170)

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,50}$
Migration Source:	Description, create one if none exist, make default
Remarks:	Name of the CallManager group.

2.3.35.2 pkid (FI-169)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated

Remarks:	Unique ID to identify a record.	
Rule (RI-9):	Type:	Validation (Insert)
	Rule Name:	Set CallManager Group TFTP Default
	Description:	Only one CallManagerGroup can be the default for TFTP; when a CallManagerGroup is made the default, the existing default must be updated to set CallManagerGroup.TFTPDefault to 0
	Test Condition:	Set CallManagerGroup.TFTPDefault = 1 on Insert or change setting from 0 to 1 on Update

2.3.35.3 resettoggle (FI-3126)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset

2.3.35.4 tftpdefault (FI-283)

Type:	bool (Not Modifiable)	
Default Value:	0	
Migration Source:	DefaultGroup	
Remarks:	Whether this Cisco CallManager group is the default Cisco CallManager group when auto-registration is enabled. Note : Each Cisco CallManager cluster can have only one default auto-registration group.	
Rule (RI-9):	Type:	Validation (Insert)
	Rule Name:	Set CallManager Group TFTP Default
	Description:	Only one CallManagerGroup can be the default for TFTP; when a CallManagerGroup is made the default, the existing default must be updated to set CallManagerGroup.TFTPDefault to 0
	Test Condition:	Set CallManagerGroup.TFTPDefault = 1 on Insert or change setting from 0 to 1 on Update
Rule (RI-10):	Type:	Validation (Delete)
	Rule Name:	Delete CallManager Group TFTP Default
	Description:	There must be a CallManagerGroup TFTP Default in the system at all times. The current default CallManager Group cannot be deleted
	Test Condition:	Delete record where CallManagerGroup.TFTPDefault = 1
	Error Message:	Cannot delete the TFTP Default CallManager Group.
	Remedy:	Make another CallManager Group the TFTP Default before deleting this CallManager Group.

	Rule (RI-11):	Type:	Validation (Update)
		Rule Name:	CallManager Group TFTP Default Required
		Description:	There must be a CallManagerGroup TFTP Default in the system at all times. Cannot set the current default to 0 manually; it is set to 0 by rule when another CallManager Group is made the TFTP Default.
		Test Condition:	Change CallManagerGroup.TFTPDefault from 1 to 0
		Error Message:	A Default CallManager Group for TFTP is required. You cannot remove the TFTP Default setting of this CallManager Group.
		Remedy:	Make another CallManager Group the TFTP Default. The TFTP Default setting for this CallManager Group will automatically be set to false.
	2.3.35.5 tkreset (FI-3127)		
	Type:	enum	
	Default Value:	2	
	Remarks:	Set by DeviceReset stored procedure.	
Uniqueness:	No multicolumn uniqueness constraints		
Rules:	Rule (RI-9):	Type:	Validation (Insert) This table is modified by this rule.
		Rule Name:	Set CallManager Group TFTP Default
		Description:	Only one CallManagerGroup can be the default for TFTP; when a CallManagerGroup is made the default, the existing default must be updated to set CallManagerGroup.TFTPDefault to 0
		Test Condition:	Set CallManagerGroup.TFTPDefault = 1 on Insert or change setting from 0 to 1 on Update
	Rule (RI-10):	Type:	Validation (Delete) Rule applied when record is deleted.
		Rule Name:	Delete CallManager Group TFTP Default
		Description:	There must be a CallManagerGroup TFTP Default in the system at all times. The current default CallManager Group cannot be deleted
		Test Condition:	Delete record where CallManagerGroup.TFTPDefault = 1
		Error Message:	Cannot delete the TFTP Default CallManager Group.
		Remedy:	Make another CallManager Group the TFTP Default before deleting this CallManager Group.

Rule (RI-12):	Type:	Validation (Insert/Update) Rule applied when record is inserted.
	Rule Name:	CallManager Group limited to 3 CallManagers
	Description:	The can be no more than three (3) Cisco CallManagers in a CallManager Group
	Test Condition:	SELECT Count(*) FROM CallManagerGroupMember WHERE fkCallManagerGroup = @CallManagerGroup.pkid > 3
	Error Message:	A Cisco CallManager Group may not contain more than 3 Cisco CallManagers

2.3.36 callmanagergroupmember (TI-7)

Description: Ordered membership of CallManagers in CallManagerGroups

Fields:

2.3.36.1 fkcallmanager (FI-173)

Type:	guid (Cascade Delete)
Migration Source:	convert from CallManagerGroupList.CallManagerID

2.3.36.2 fkcallmanagergroup (FI-172)

Type:	guid (Indexed, Cascade Delete)	
Migration Source:	convert from CallManagerGroupList.CallManagerGroupID	
Rule (RI-12):	Type:	Validation (Insert/Update)
	Rule Name:	CallManager Group limited to 3 CallManagers
	Description:	The can be no more than three (3) Cisco CallManagers in a CallManager Group
	Test Condition:	SELECT Count(*) FROM CallManagerGroupMember WHERE fkCallManagerGroup = @CallManagerGroup.pkid > 3
	Error Message:	A Cisco CallManager Group may not contain more than 3 Cisco CallManagers

2.3.36.3 pkid (FI-171)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

	Rule (RI-269):	Type:	Active (Insert/Update/Delete records)
		Rule Name:	callmanagergroupmember versionstamp
		Description:	on change to anything in callmanagergroupmember, update device versionstamp
		Test Condition:	update callmanager group member

2.3.36.4 priority (FI-174)

Type:	long
Check Constraint:	Priority >= 0
Migration Source:	CallManagerGroupList.Priority
Remarks:	CallManager Groups are made up of an ordered list of from one to three CallManagers. This field orders the members of the group. There is no requirment for a member in a group to be at priority 0. Nor is there a requirment that the priorities be sequential within a CallManager Group.

Uniqueness:	fkcallmanagergroup + fkcallmanager is unique. (MFI-2) fkcallmanagergroup + priority is unique. (MFI-3)

2.3.37 cdrmconfig (TI-385)

Description:	Similar to process config for CDR

Fields:

2.3.37.1 cdrcmrfiledeletiondisabled (FI-2886)

Type:	bool
Default Value:	FALSE

2.3.37.2 cdrrepmgrhostaddress (FI-3000)

Type:	string [255]
Default Value:	EMPTY
Remarks:	CDR Repository Manager host IP address string in textual presentation

2.3.37.3 cdrrepmgrhostname (FI-2999)

Type:	string [255]
Default Value:	EMPTY
Remarks:	CDR Repository Manager host name

2.3.37.4 diskallocation (FI-2860)

Type:	long

	Default Value:	500
	Check Constraint:	((diskallocation >= 500) AND (diskallocation <= 3328))
	Remarks:	in Megabytes
	2.3.37.5 highwatermark (FI-2861)	
	Type:	long
	Default Value:	80
	Check Constraint:	((highwatermark >= 70) AND (highwatermark <= 90))
	Remarks:	percentage
	2.3.37.6 lowwatermark (FI-2862)	
	Type:	long
	Default Value:	40
	Check Constraint:	((lowwatermark >= 30) AND (lowwatermark <=50))
	Remarks:	percentage
	2.3.37.7 pkid (FI-2856)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.37.8 windowsize (FI-2859)	
	Type:	long
	Default Value:	30
	Check Constraint:	((windowsize >= 2) AND (windowsize <= 30))
	Remarks:	number of days of CDR files to preserve
Uniqueness:	No multicolumn uniqueness constraints	

2.3.38 cmcinfo (TI-304)

Description:	Contains the authorization information for Client Meta Code

Fields:		
	2.3.38.1 code (FI-2127)	
	Type:	string [16] (Unique, Indexed)
	Validation:	^[0-9]{1,16}$
	Remarks:	All Digits
	2.3.38.2 description (FI-2126)	
	Type:	string [50]
	Default Value:	EMPTY
	Validation:	^[a-zA-Z0-9 !#$'()*+,./:;=?@^_`\|~-]{0,50}$
	2.3.38.3 pkid (FI-2128)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.39 commondeviceconfig (TI-421)

Description:	Used for DeviceMobility. Have user oriented fields.	
Fields:	**2.3.39.1 fkmlppdomain (FI-1955)**	
	Type:	guid (Null OK)
	Default Value:	NULL
	Migration Source:	mlppdomainid
	Remarks:	This is the MLPP domain associated with this profile. If this field is blank, this devices using this profile inherit the MLPP domain from the value set for the MLPP Domain Identifier enterprise parameter.
	2.3.39.2 fksoftkeytemplate (FI-1128)	
	Type:	guid (Null OK)
	Default Value:	NULL
	Remarks:	This is the softkey template that is associated with the devices using the profile.
	2.3.39.3 holdpartynetworkholdmohaudiosourceid (FI-1000)	
	Type:	long (Null OK)

Default Value:	NULL
Remarks:	This is the audio source to use for music on hold (MOH) when the network initiates a hold action.

2.3.39.4 holdpartyuserholdmohaudiosourceid (FI-999)

Type:	long (Null OK)
Default Value:	NULL
Remarks:	This is the audio source to use for music on hold (MOH) when a user initiates a hold action.

2.3.39.5 name (FI-3229)

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,50}$

2.3.39.6 pkid (FI-3228)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
Rule (RI-346):	Type: Active (Insert/Update) Rule Name: commondeviceconfig versionstamp Description: on change to anything in commondeviceconfig table, update device versionstamp Test Condition: update device

2.3.39.7 resettoggle (FI-3239)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset
Rule (RI-346):	Type: Active (Insert/Update) Rule Name: commondeviceconfig versionstamp Description: on change to anything in commondeviceconfig table, update device versionstamp Test Condition: update device

2.3.39.8 tkipaddressingmode (FI-3656)

Type:	enum
Default Value:	2

Remarks:	Indicates the IPaddressingMode of device, ipv4, ipv6 or both type of IP addresses

2.3.39.9 tkipaddressingmodeprefcontrol (FI-3657)

Type:	enum
Default Value:	2
Remarks:	Indicates what IP type device should connect to UCM if device has both IP's availab

2.3.39.10 tkpreemption (FI-1298)

Type:	enum
Default Value:	2
Remarks:	This setting specifies whether devices using the profile and capable of preempting calls in progress will use the capability when the devices place an MLPP precedence call. Note : Do not configure a profile with the following combination of settings: MLPP Indication is set to Off or Default (when default is Off) while MLPP Preemption is set to Forceful.

2.3.39.11 tkreset (FI-3240)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.39.12 tkstatus_allowipv6autoconfigforphones (FI-3699)

Type:	enum
Default Value:	2

2.3.39.13 tkstatus_mlppindicationstatus (FI-1297)

Type:	enum
Default Value:	2
Remarks:	This setting specifies whether devices using the profile and capable of playing precedence tones will use the capability when the devices place an MLPP precedence call. Null means uses enteprise value. Note : Do not configure a profile with the following combination of settings: MLPP Indication is set to Off or Default (when default is Off) while MLPP Preemption is set to Forceful.

2.3.39.14 tkuserlocale (FI-1036)

Type:	enum (Null OK)
Default Value:	NULL

	Remarks:	This is the locale that is associated with the phones and gateways using the profile. The user locale identifies a set of detailed information to support users, including language and font. Note : If this is null, the locale that is specified in the Cisco Unified CallManager clusterwide parameters as Default User Locale applies.
	2.3.39.15 usetrustedrelaypoint (FI-3480)	
	Type:	bool
	Default Value:	FALSE
	Remarks:	Indicates whether Trusted Relay Point should be used if available
	2.3.39.16 versionstamp (FI-3230)	
	Type:	string [47] (Null OK)
	Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
	Remarks:	New guid plus seconds past midnight 1970 are concatenated
	Rule (RI-346):	Type: Active (Insert/Update) This field is modified by this rule. Rule Name: commondeviceconfig versionstamp Description: on change to anything in commondeviceconfig table, update device versionstamp Test Condition: update device
	Rule (RI-346):	Type: Active (Insert/Update) Rule Name: commondeviceconfig versionstamp Description: on change to anything in commondeviceconfig table, update device versionstamp Test Condition: update device
Uniqueness:	No multicolumn uniqueness constraints	

2.3.40 commonphoneconfig (TI-384)

Description:	Common Profile Information (only applies to SIP intially)

Fields:

2.3.40.1 description (FI-2984)

Type:	string [128]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,128}$

2.3.40.2 fkfeaturecontrolpolicy (FI-5716)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Feature Control Policy Record

2.3.40.3 isstandard (FI-2986)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Whether it is standard

2.3.40.4 name (FI-2985)

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,50}$

2.3.40.5 pkid (FI-2852)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Rule (RI-274):

Type:	Active (Insert/Update)
Rule Name:	commonphoneconfig versionstamp
Description:	on change to anything in commonphoneconfig table, update device versionstamp
Test Condition:	update device

Rule (RI-581):

Type:	Active (Insert)
Rule Name:	Insert XML Records for CommonPhoneConfig Table
Description:	When a CommonPhoneConfig record is inserted, insert records for CommonPhoneConfigXML.
Test Condition:	ON INSERT INTO CommonPhoneConfig

2.3.40.6 resettoggle (FI-3237)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset
Rule (RI-274):	Type: Active (Insert/Update) Rule Name: commonphoneconfig versionstamp Description: on change to anything in commonphoneconfig table, update device versionstamp Test Condition: update device

2.3.40.7 sshpassword (FI-3755)

Type:	string [200]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,200}$
Migration Source:	SSH Password
Remarks:	SSH Password

2.3.40.8 sshuserid (FI-3756)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,50}$
Migration Source:	SSH UserID

2.3.40.9 tkdndoption (FI-3284)

Type:	enum
Default Value:	0
Remarks:	Type of call handling while DND is enabled (0=Ringer Off, 1=Call Reject); depends on product support

2.3.40.10 tkphonepersonalization (FI-3457)

Type:	enum
Default Value:	3

2.3.40.11 tkphoneservicedisplay (FI-3627)

Type:	enum
Default Value:	3

Remarks:	Identifies which services are displayed for a button (services, directories, messages): Internal, External, Both, or Default (use Enterprise Parameter value)

2.3.40.12 tkreset (FI-3238)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.40.13 tkringsetting_dnd (FI-3285)

Type:	enum
Default Value:	5
Check Constraint:	((tkRingSetting_DND = 1) OR (tkRingSetting_DND = 2) OR (tkRingSetting_DND = 5))

2.3.40.14 tkstatus_alwaysuseprimeline (FI-3706)

Type:	enum
Default Value:	2
Remarks:	Determines off-hook behavior of phones with active calls present

2.3.40.15 tkstatus_alwaysuseprimelineforvm (FI-3707)

Type:	enum
Default Value:	2
Remarks:	Determines Voice Message retreival behavior of phones

2.3.40.16 versionstamp (FI-3114)

Type:	string [47] (Null OK)
Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
Remarks:	New guid plus seconds past midnight 1970 are concatenated
Rule (RI-274):	Type: Active (Insert/Update) This field is modified by this rule. Rule Name: commonphoneconfig versionstamp Description: on change to anything in commonphoneconfig table, update device versionstamp Test Condition: update device

	Rule (RI-274):	Type:	Active (Insert/Update)
		Rule Name:	commonphoneconfig versionstamp
		Description:	on change to anything in commonphoneconfig table, update device versionstamp
		Test Condition:	update device

2.3.40.17 zzbackgroundimageaccess (FI-2806)

Type:	bool
Default Value:	TRUE
Remarks:	is background Image Access Enabled

2.3.40.18 zzunlockpassword (FI-2821)

Type:	string [15]
Default Value:	EMPTY
Remarks:	unlock password

Uniqueness: No multicolumn uniqueness constraints

2.3.41 commonphoneconfigxml (TI-550)

Description: XML configuration for Common Phone Config
Insert/Delete is not allowed.

Fields:

2.3.41.1 fkcommonphoneconfig (FI-3751)

Type:	guid (Unique, Indexed, Cascade Delete)	
Rule (RI-591):	Type:	Active (Update)
	Rule Name:	Update CommonPhoneConfig.XML for CommonPhoneConfigXML change
	Description:	When CommonPhoneConfigXML.XML changed, the CommonPhoneConfig is updated.
	Test Condition:	ON UPDATE IN CommonPhoneConfigXML: THEN UPDATE CommonPhoneConfig SET versionstamp = versionstampgenerator() where pkid = fkCommonPhoneConfig; END IF;

2.3.41.2 pkid (FI-3750)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.41.3 xml (FI-3752)	
Type:	string [16000] (Null OK)
Default Value:	NULL
Remarks:	Product configuration XML not used by CCM
Rule (RI-591):	Type: Active (Update) Rule Name: Update CommonPhoneConfig.XML for CommonPhoneConfigXML change Description: When CommonPhoneConfigXML.XML changed, the CommonPhoneConfig is updated. Test Condition: ON UPDATE IN CommonPhoneConfigXML: THEN UPDATE CommonPhoneConfig SET versionstamp = versionstampgenerator() where pkid = fkCommonPhoneConfig; END IF;
Uniqueness:	No multicolumn uniqueness constraints

2.3.42 componentversion (TI-368)

Description:	RPM versions of components
Fields:	**2.3.42.1 fkprocessnode (FI-2716)**
Type:	guid (Indexed, Cascade Delete)
2.3.42.2 installationcomponent (FI-2717)	
Type:	string [100]
2.3.42.3 pkid (FI-2715)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.42.4 softwarecomponent (FI-2718)	
Type:	string [100]
2.3.42.5 version (FI-2719)	
Type:	string [100]
Uniqueness:	No multicolumn uniqueness constraints

2.3.43 credential (TI-446)

Description:	Authentication information and policies for App and End Users Records may be modified only by installation and/or DB triggers.

Fields:

2.3.43.1 cantchange (FI-3349)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	A flag indicating whether the user can set this credential.

2.3.43.2 credentials (FI-3358)	
Type:	string [288] (Not Modifiable, Null OK)
Default Value:	NULL
Migration Source:	Binary in CUC; encrypted string App/EndUser.password or PIN
Remarks:	The PIN or password, for a user. The credentials are stored in an encrypted format.

2.3.43.3 credmustchange (FI-3350)	
Type:	bool (Not Modifiable)
Default Value:	TRUE
Remarks:	A flag indicating whether the user must change their credentials (PIN or password) at the next login.

2.3.43.4 doesntexpire (FI-3352)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	A flag indicating whether this user credential will expire, and therefore the user must change the credential periodically. However, if the credential does not expire (value = "1"), the user still may change the credential (if allowed by CantChange).

2.3.43.5 fkapplicationuser (FI-3347)	
Type:	guid (Cascade Delete, Not Modifiable, Null OK)
Default Value:	NULL
Remarks:	The unique identifier of the Application User to which this credential belongs.

2.3.43.6 fkcredentialpolicy (FI-3351)	
Type:	guid (Not Modifiable)
Default Value:	9454babf-48d0-4e16-9b80-2d0da4b38750
Remarks:	The unique identifier of the CredentialPolicy that is associated with this credential.

2.3.43.7 fkenduser (FI-3346)

Type:	guid (Cascade Delete, Not Modifiable, Null OK)
Default Value:	NULL
Remarks:	The unique identifier of the End User to which this credential belongs.

2.3.43.8 imsinfo (FI-3359)

Type:	long (Not Modifiable)
Default Value:	0
Remarks:	Information used by IMS to encrypt data

2.3.43.9 pkid (FI-3345)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
Rule (RI-399):	Type: Active (Insert) Rule Name: Insert Dynamic Records for Credentials Description: When a credential record gets inserted, create the corresponding record in the CredentialDynamic table Test Condition: ON INSERT INTO Credential: INSERT INTO CredentialDynamic (pkid, fkCredential) values (newid(), new_pkid)

2.3.43.10 timeadminlockout (FI-3357)

Type:	long (Not Modifiable, Null OK)
Default Value:	NULL
Remarks:	The date and time that the credential was locked by an administrator.

2.3.43.11 timechanged (FI-3354)

Type:	long (Not Modifiable)
Remarks:	The date and time when the credentials were last changed. The date and time is recorded in this column whenever a user credential is created or changed.

2.3.43.12 tkcredential (FI-3348)

Type:	enum (Not Modifiable)
Default Value:	4
Remarks:	The type of credential such as password, PIN, Windows or Domino credential.

Uniqueness:	fkapplicationuser + fkenduser + tkcredential is unique. (MFI-103)

2.3.44 credentialdynamic (TI-458)

Description:	Frequently updated settings for Credentials Records may be modified only by installation and/or DB triggers.

Fields:

2.3.44.1 datetimestamp (FI-3432)

Type:	long (Not Modifiable)	
Default Value:	0	
Remarks:	Time value for last change (for replication conflict resolution)	
Rule (RI-400):	Type:	Active (Insert/Update)
	Rule Name:	Update the DateTimeStamp for Dynamic records
	Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
	Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
Rule (RI-400):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	Update the DateTimeStamp for Dynamic records
	Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
	Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);

2.3.44.2 fkcredential (FI-3431)

Type:	guid (Unique, Cascade Delete, Not Modifiable)
Remarks:	Parent record for which this record holds the dynamic settings

2.3.44.3 hackcount (FI-3353)

Type:	long (Not Modifiable)
Default Value:	0
Remarks:	The number of logons attempted that failed due to invalid credentials. The Unity system or external authentication provider determined that the credentials supplied as part of a user logon attempt were invalid.

2.3.44.4 lastsuccessfullogintime (FI-3799)

	Type:	long (Not Modifiable)
	Default Value:	0
	Remarks:	Time value for the last successful login reported by IMS
	2.3.44.5 pkid (FI-3430)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.44.6 timehackedlockout (FI-3355)	
	Type:	long (Not Modifiable, Null OK)
	Default Value:	NULL
	Remarks:	The date and time that the credential was locked due to too many hacks. The date and time is recorded in this column whenever a user credential is locked due to too many hacks based on the credential policy.
	2.3.44.7 timelastaccessed (FI-3428)	
	Type:	long (Not Modifiable, Null OK)
	Default Value:	0
	Remarks:	Time value for the last access of the credential (create, read or update)
	2.3.44.8 timelasthacked (FI-3356)	
	Type:	long (Not Modifiable, Null OK)
	Default Value:	NULL
	Remarks:	The date and time of the last logon attempt with an invalid user credential.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.45 credentialhistory (TI-448)

Description:	Stores past credentials for enforcement of password history restrictions (non-reuse) Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.45.1 changeid (FI-3371)	
	Type:	long
	Remarks:	A historical index of credential changes. Allows the fetching of the last 'n' credentials, if desired.
	2.3.45.2 credentials (FI-3375)	
	Type:	string [288]
	Remarks:	The credential, e.g., PIN or password created by this change. Credentials can be an encoded PIN or password.
	2.3.45.3 fkapplicationuser (FI-3373)	
	Type:	guid (Cascade Delete, Null OK)
	Remarks:	The unique identifier of the ApplicationUser object for which this credential change occurred.
	2.3.45.4 fkenduser (FI-3372)	
	Type:	guid (Cascade Delete, Null OK)
	Remarks:	The unique identifier of the EndUser object for which this credential change occurred.
	2.3.45.5 pkid (FI-3370)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.45.6 timechanged (FI-3376)	
	Type:	long
	Remarks:	The date and time the credential was created or changed.
	2.3.45.7 tkcredential (FI-3374)	
	Type:	enum
	Remarks:	The type of credential such as a password or PIN.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.46 credentialpolicy (TI-447)

Description:	Settings for enforcement of credential policy (password strength, expiration, etc.)

Fields:

2.3.46.1 displayname (FI-3361)

Type:	string [255] (Unique)
Validation:	^[^\x00-\x1F\x7F"""]{1,64}$
Remarks:	The unique text name (e.g., "Administrator Password Policy") of the credential policy to be used when displaying entries in the administrative console, e.g. Cisco Unified CallManager Administration

2.3.46.2 expirywarningdays (FI-3423)

Type:	long
Default Value:	0
Check Constraint:	(ExpiryWarningDays >=0) AND (ExpiryWarningDays <= 90)
Remarks:	Number of days prior to Credential Expiring that warning message should be presented to the user. A value of 0 means no warning is given.

2.3.46.3 hackresettime (FI-3362)

Type:	long
Default Value:	30
Check Constraint:	(HackResetTime >= 1) AND (HackResetTime <= 120)
Remarks:	The length of time (in minutes) after which if no failed logon attempts occur, the count of failed logon attempts is cleared

2.3.46.4 isstandard (FI-3424)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Indicates installed standard Credential Policy - cannot be modified or deleted

Rule (RI-396):

Type:	Active (Update/Delete)
Rule Name:	Cannot modify or delete Standard Credential Policy
Description:	The installed standard Credential Policy cannot be modified or deleted (even using IMS). It is not necessary to use this policy if more secure policies exist, and the policy is maintained for backward compatibility only. The installed policy is the only policy where IsStandard is true.
Test Condition:	ON UPDATE/DELETE IN CredentialPolicy: IF (old_IsStandard = 'T') THEN throw exception;
Error Message:	Cannot modify or delete the installed standard Credential Policy.
Remedy:	Create and assign more secure Credential Policies for passwords and PINs.

2.3.46.5 lockoutduration (FI-3363)

Type:	long
Default Value:	30
Check Constraint:	(LockoutDuration >= 0) AND (LockoutDuration <= 1440)
Remarks:	The length of time (in minutes) that a user who is locked out must wait until they can attempt to access the system again with this credential. A value of "0" means the user is locked out until the credential/account is unlocked by an administrator.

2.3.46.6 maxdays (FI-3364)

Type:	long
Default Value:	180
Check Constraint:	(MaxDays >= 0) AND (MaxDays <= 365)
Remarks:	The maximum number of days before the credential must be changed. A value of "0" means the credential will never expire.

2.3.46.7 maxhacks (FI-3365)

Type:	long
Default Value:	3
Check Constraint:	(MaxHacks >= 0) AND (MaxHacks <= 100)
Remarks:	The maximum number of failed logon attempts (hacks) before action is taken. A value of "0" means an unlimited number of logon attempts (i.e., no lockout) are allowed.

2.3.46.8 maxinactivedays (FI-3429)

Type:	long
Default Value:	0
Check Constraint:	(MaxInactiveDays >= 0) AND (MaxInactiveDays <= 5000)
Remarks:	The number of days after which a credential is disabled if not used. A value of 0 means the credential is never disabled because of inactivity

2.3.46.9 minduration (FI-3366)

Type:	long
Default Value:	0
Check Constraint:	(MinDuration >= 0) AND (MinDuration <= 129600)
Remarks:	The minimum number of minutes that must pass from the time of the last change before the credential can be changed. A value of "0" means that there are no restrictions on how often the user can change the credential.

2.3.46.10 minlength (FI-3367)

Type:	long
Default Value:	8
Check Constraint:	(MinLength >= 1) AND (MinLength <= 64)
Remarks:	The minimum number of characters or digits (PIN) required for the credential.

2.3.46.11 pkid (FI-3360)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.46.12 prevcredcount (FI-3368)

Type:	long
Default Value:	12
Check Constraint:	(PrevCredCount >= 0) AND (PrevCredCount <= 25)
Remarks:	The number of credentials to store. A value of "0" means that a new credential is not compared with previous credentials; thus a user can reuse a credential.

2.3.46.13 trivialcredchecking (FI-3369)

Type:	bool
Default Value:	TRUE
Remarks:	A flag indicating whether to check against trivial credentials for extra security; True = check to make sure credentials are not trivial; False = do not check for trivial credentials (check length and valid characters only)

Uniqueness:	No multicolumn uniqueness constraints

Constraints:

Rule (RFI-162):

Type:	Inter-field Condition and Constraint
Constraint:	((MaxDays > 0) AND (MaxDays*60*24 >= MinDuration)) OR (MaxDays =0)
Remarks:	Minimum Duration Between Credential Changes should be shorter that Credential Expires After days

2.3.47 credentialpolicydefault (TI-459)

Description:	Specifies the default CredentialPolicy for each combination of user and credential type Insert/Delete is not allowed.

Fields:

2.3.47.1 cantchange (FI-3472)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	A flag indicating whether the user can set this credential.
2.3.47.2 credentials (FI-3447)	
Type:	string [288] (Not Modifiable, Null OK)
Default Value:	NULL
Remarks:	The default PIN or password for new credentials. The credentials are stored in an encrypted format.
2.3.47.3 credmustchange (FI-3473)	
Type:	bool (Not Modifiable)
Default Value:	TRUE
Remarks:	A flag indicating whether the user must change their credentials (PIN or password) at the next login.
2.3.47.4 doesntexpire (FI-3474)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	A flag indicating whether this user credential will expire, and therefore the user must change the credential periodically. However, if the credential does not expire (value = "1"), the user still may change the credential (if allowed by CantChange).
2.3.47.5 fkcredentialpolicy (FI-3437)	
Type:	guid
Remarks:	The default Credential Policy for new credentials of the specificed type (credential and user)
2.3.47.6 imsinfo (FI-3448)	
Type:	long (Not Modifiable)
Default Value:	0
Remarks:	Default Information used by IMS to encrypt data
2.3.47.7 pkid (FI-3436)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

	2.3.47.8 tkcredential (FI-3438)	
	Type:	enum (Not Modifiable)
	Remarks:	Used in combination with type of Credential User to establish a default
	2.3.47.9 tkcredentialuser (FI-3439)	
	Type:	enum (Not Modifiable)
	Remarks:	Used in combination with type of Credential to establish a default
Uniqueness:	No multicolumn uniqueness constraints	

2.3.48 crsapplication (TI-248)

Description:	Application specific data for CRS		
Fields:	**2.3.48.1 aakeypadmapping (FI-1689)**		
	Type:	string [129]	
	Default Value:	EMPTY	
	Remarks:	The mapping of aapromptname to numbers only	
	Rule (RI-291):	Type:	Active (Insert/Update) This field is modified by this rule.
		Rule Name:	Map name to keypad
		Description:	On I/U, take map alpha chars to keypad, abc=2, def=3, etc.
		Test Condition:	on insert/update of aapromptname
		Error Message:	Only keys mapping to 0 to 9 allowed
	Rule (RI-291):	Type:	Active (Insert/Update)
		Rule Name:	Map name to keypad
		Description:	On I/U, take map alpha chars to keypad, abc=2, def=3, etc.
		Test Condition:	on insert/update of aapromptname
		Error Message:	Only keys mapping to 0 to 9 allowed
	2.3.48.2 aapromptname (FI-1690)		
	Type:	string [129]	
	Default Value:	EMPTY	

	Remarks:	The letter representation of the search name using IVR
	Rule (RI-291):	Type: Active (Insert/Update) Rule Name: Map name to keypad Description: On I/U, take map alpha chars to keypad, abc=2, def=3, etc. Test Condition: on insert/update of aapromptname Error Message: Only keys mapping to 0 to 9 allowed
	2.3.48.3 fkenduser (FI-1688)	
	Type:	guid (Cascade Delete)
	2.3.48.4 fnamealtpronun (FI-2896)	
	Type:	string [1024]
	Default Value:	EMPTY
	Remarks:	First Name Alternate Pronunciations delimited by a seperator
	2.3.48.5 lnamealtpronun (FI-2897)	
	Type:	string [1024]
	Default Value:	EMPTY
	Remarks:	Last Name Alternate Pronunciations delimited by a seperator
	2.3.48.6 pkid (FI-1687)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.49 crsuserclusterspecific (TI-410)

Description:	Stores user information for the CRS Application

Fields:	**2.3.49.1 administratorlevel (FI-2898)**	
	Type:	long
	Default Value:	0
	Remarks:	Whether an Administrator
	2.3.49.2 clustername (FI-3047)	
	Type:	string [60]
	2.3.49.3 fkenduser (FI-3046)	
	Type:	guid (Cascade Delete)
	2.3.49.4 issupervisor (FI-2899)	
	Type:	bool
	Default Value:	FALSE
	Remarks:	Whether a Supervisor
	2.3.49.5 pkid (FI-3045)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	fkenduser + clustername is unique. (MFI-94)	

2.3.50 datetimesetting (TI-10)

Description:	Common/shared date time zone and format settings	
Fields:	**2.3.50.1 datetemplate (FI-154)**	
	Type:	string [6]
	Default Value:	M-D-Y
	Validation:	^(M-D-Y|M/D/Y|M.D.Y|D-M-Y|D/M/Y|D.M.Y|Y-M-D|Y/M/D|Y.M.D)A?$
	Migration Source:	DateTimeGroup.DateTemplate
	Remarks:	Template to be used to display date on an IP Phone. If the last character is 'A' then it is 24 hour time. If the last character is 'a', it is 12 hour time.
	2.3.50.2 name (FI-153)	

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,50}$
Migration Source:	DateTimeGroup.GroupName
Remarks:	A descriptive name for the Date/Time group.

2.3.50.3 pkid (FI-152)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
Rule (RI-216):	Type: Active (Insert/Update) Rule Name: device versionstamp Description: on change to anything in device xml file, update versionstamp Test Condition: update device

2.3.50.4 resettoggle (FI-3135)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset
Rule (RI-216):	Type: Active (Insert/Update) Rule Name: device versionstamp Description: on change to anything in device xml file, update versionstamp Test Condition: update device

2.3.50.5 tkreset (FI-3071)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.50.6 tktimezone (FI-155)

Type:	enum
Default Value:	21

	Migration Source:	DateTimeGroup.TimeZone
	Remarks:	Time zone for the CallManager group. The option "local time zone of CallManager" copies the time zone information from the operating system of the server where Cisco CallManager is installed.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.51 defaults (TI-11)

Description: CallManager specific default attributes for devices
Insert/Delete is not allowed.

Fields:

2.3.51.1 fkdevicepool (FI-240)

Type:	guid (Null OK)
Default Value:	NULL
Migration Source:	convert from DevicePoolID
Remarks:	Device pool that is associated with each type of device. The device pool defines common characteristics for all devices in the pool.
Rule (RI-283):	Type: Active (Update) Rule Name: defaults versionstamp Description: on change to loadinfo in defaults table, update device versionstamp Test Condition: update device

2.3.51.2 fkphonetemplate (FI-241)

Type:	guid (Null OK)
Default Value:	NULL
Migration Source:	convert from PhoneTemplateID
Remarks:	This is the phone template to assign to a device that auto-registers. It must be usable on the specified model.

Rule (RI-16):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Template required
	Description:	Devices that use a phone button template must have a template specified
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 13 AND tkModel = @Defaults.tkModel AND tkDeviceProtocol IN (@Defaults.tkDeviceProtocol,99)
	Error Message:	A device that uses Phone Templates have a specific Phone Template assigned.
	Remedy:	Specify a Phone Template.
Rule (RI-17):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Template Model
	Description:	The model must match for a device default and the specified phone template for that device type.
	Test Condition:	@Defaults.tkModel = (SELECT PhoneTemplate.tkModel FROM PhoneTemplate WHERE PhoneTemplate.pkid = @Defaults.tkPhoneTemplate)
	Error Message:	The Phone Template model does not match the device model.
	Remedy:	Specifiy a Phone Template for the correct model.
Rule (RI-283):	Type:	Active (Update)
	Rule Name:	defaults versionstamp
	Description:	on change to loadinfo in defaults table, update device versionstamp
	Test Condition:	update device

2.3.51.3 loadinformation (FI-239)

Type:	string [50]
Default Value:	EMPTY
Migration Source:	Load_
Remarks:	The filename of the firmware load that is used with a particular type of hardware device model. The file is fed to the phones via TFTP. This can be overridden at the device level. If not overridden, then all devices of this model will use this firmware load file.

Rule (RI-283):	Type:	Active (Update)
	Rule Name:	defaults versionstamp
	Description:	on change to loadinfo in defaults table, update device versionstamp
	Test Condition:	update device

2.3.51.4 pkid (FI-237)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

Rule (RI-283):	Type:	Active (Update)
	Rule Name:	defaults versionstamp
	Description:	on change to loadinfo in defaults table, update device versionstamp
	Test Condition:	update device

2.3.51.5 resettoggle (FI-3090)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset

Rule (RI-283):	Type:	Active (Update)
	Rule Name:	defaults versionstamp
	Description:	on change to loadinfo in defaults table, update device versionstamp
	Test Condition:	update device

2.3.51.6 tkdeviceprotocol (FI-2359)

Type:	enum
Default Value:	99
Remarks:	Default value for Device Protocol

Rule (RI-16):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Template required
	Description:	Devices that use a phone button template must have a template specified
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 13 AND tkModel = @Defaults.tkModel AND tkDeviceProtocol IN (@Defaults.tkDeviceProtocol,99)
	Error Message:	A device that uses Phone Templates have a specific Phone Template assigned.
	Remedy:	Specify a Phone Template.
Rule (RI-17):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Template Model
	Description:	The model must match for a device default and the specified phone template for that device type.
	Test Condition:	@Defaults.tkModel = (SELECT PhoneTemplate.tkModel FROM PhoneTemplate WHERE PhoneTemplate.pkid = @Defaults.tkPhoneTemplate)
	Error Message:	The Phone Template model does not match the device model.
	Remedy:	Specifiy a Phone Template for the correct model.
Rule (RI-283):	Type:	Active (Update)
	Rule Name:	defaults versionstamp
	Description:	on change to loadinfo in defaults table, update device versionstamp
	Test Condition:	update device

2.3.51.7 tkmodel (FI-238)

Type:	enum (Not Modifiable)
Migration Source:	convert from Type and HardwareType
Remarks:	A defaults record must exist for every IP Phone.

Rule (RI-16):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Template required
	Description:	Devices that use a phone button template must have a template specified
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 13 AND tkModel = @Defaults.tkModel AND tkDeviceProtocol IN (@Defaults.tkDeviceProtocol,99)
	Error Message:	A device that uses Phone Templates have a specific Phone Template assigned.
	Remedy:	Specify a Phone Template.
Rule (RI-17):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Template Model
	Description:	The model must match for a device default and the specified phone template for that device type.
	Test Condition:	@Defaults.tkModel = (SELECT PhoneTemplate.tkModel FROM PhoneTemplate WHERE PhoneTemplate.pkid = @Defaults.tkPhoneTemplate)
	Error Message:	The Phone Template model does not match the device model.
	Remedy:	Specifiy a Phone Template for the correct model.
Rule (RI-283):	Type:	Active (Update)
	Rule Name:	defaults versionstamp
	Description:	on change to loadinfo in defaults table, update device versionstamp
	Test Condition:	update device

2.3.51.8 tkreset (FI-3091)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.51.9 versionstamp (FI-3115)

Type:	string [47] (Null OK)
Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
Remarks:	New guid plus seconds past midnight 1970 are concatenated

	Rule (RI-283):	Type:	Active (Update) This field is modified by this rule.
		Rule Name:	defaults versionstamp
		Description:	on change to loadinfo in defaults table, update device versionstamp
		Test Condition:	update device
	Rule (RI-283):	Type:	Active (Update)
		Rule Name:	defaults versionstamp
		Description:	on change to loadinfo in defaults table, update device versionstamp
		Test Condition:	update device
Uniqueness:	tkmodel + tkdeviceprotocol is unique. (MFI-81)		

2.3.52 device (TI-1)

Description: Lists every device in system from the CallManager perspective

Fields:

2.3.52.1 allowcticontrolflag (FI-2618)

Type:	bool	
Default Value:	TRUE	
Remarks:	If true, this device allows CTI Control.	
Rule (RFI-132):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkModel = 72 OR tkModel = 73
	Constraint:	AllowCTIControlFlag = 't'
	Remarks:	CTI Ports and CTI Route Points must always be CTI Controlled

2.3.52.2 allowhotelingflag (FI-831)

Type:	bool
Default Value:	FALSE
Remarks:	If true, this device allows extension mobility.

Rule (RFI-193):	Type:	Inter-field Condition and Constraint
	Test Condition:	IsProtected ='t'
	Constraint:	AllowHotelingFlag = 'f'
	Remarks:	Protected phone cannot have Extension Mobility enabled
Rule (RI-19):	Type:	Validation (Insert/Update)
	Rule Name:	AllowHotelingFlag - EM feature support required
	Description:	Device.AllowHotelingFlag can only be true for devices that support Extension Mobility.
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 9 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	Extension Mobilty can only turned on for devices that support Extension Mobility feature.
	Remedy:	Check device type and Extension Mobility feature support before enabling Extension Mobility.
Rule (RI-20):	Type:	Active (Insert/Update)
	Rule Name:	Autogenerate Device Profile for EM
	Description:	When EM is on (Device.AllowHotelingFlag = true), if the default Device Profile (ikDevice_DefaultProfile) does not reference a User Device Profile or the AutoGenerated Device Profile for the current device, generate a profile based on the device settings (after all changes are committed), and then set ikDevice_DefaultProfile to the pkid of the autogenerated Device Profile. The Autogenerated Device Profile uses "ADP" prefixed on current MAC address for a name (in place of SEP), and contains a copy of a subset of the settings of the current device, including information in related (child) tables like Telecaster, Speed Dial, DeviceNumPlanMap, etc.
	Test Condition:	Device.AllowHotelingFlag = true
Rule (RI-202):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Generate Default Device Profile for Model
	Description:	Create a Default Device Profile for a device type if one does not already exist, and extension mobility is enabled on a device of that type (e.g., create the Default Device Profile for a Cisco 7960 if it does not exist and EM is enabled on a 7960).
	Test Condition:	IF (NEW.AllowHotelingFlag is true) and ((select count(*) from device where tkmodel = NEW. tkmodel and tkdeviceprofile = 3) = 0)
	Error Message:	No default model profile, no mismatch login performed

Rule (RI-376):	Type:	Active (Insert/Update)
	Rule Name:	Insert Dynamic Records for Extension Mobility
	Description:	When Extension Mobility (EM) is enabled on a phone, create the corresponding record in the ExtensionMobilityDynamic
	Test Condition:	ON INSERT/UPDATE INTO Device: IF (new_AllowHotelingFlag = 't') THEN SELECT COUNT(*) INTO nRows FROM ExtensionMobilityDynamic WHERE (fkDevice = new_pkid); IF (nRows = 0) THEN INSERT INTO ExtensionMobilityDynamic (fkDevice) VALUES (new_pkid); END IF; ENDIF;

2.3.52.3 authenticationstring (FI-1912)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[0-9]{4,10}$

2.3.52.4 ctiid (FI-12)

Type:	identity (Unique, Not Modifiable)	
Migration Source:	DeviceList.DeviceId	
Remarks:	Trigger set on insert. (one greater than highest). 32 bit value for Computer Telephony Interface	
Rule (RI-2):	Type:	Active (Insert) This field is modified by this rule.
	Rule Name:	Generate CTI ID value
	Description:	On insert of a new record generate a unique 32-bit integer value and store the result in the CTI ID field
	Test Condition:	On Insert

2.3.52.5 datetimeinserted (FI-2667)

Type:	string [30] (Null OK)
Remarks:	Date and Time when Phone was inserted. Will be provided by an active B-Rule on device insert. Format is YYMMDD:HrMinSec

2.3.52.6 defaultdtmfcapability (FI-592)

Type:	long
Default Value:	0
Remarks:	Is this a dead field?

2.3.52.7 description (FI-3)

Type:	string [128]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,128}$
Migration Source:	DeviceList.Description

2.3.52.8 deviceleveltraceflag (FI-824)

Type:	bool
Default Value:	FALSE

2.3.52.9 dialplanwizardgenid (FI-677)

Type:	long (Indexed, Null OK)
Default Value:	NULL
Remarks:	This record created by DialPlanWizard

2.3.52.10 dndtimeout (FI-3286)

Type:	long
Default Value:	0
Check Constraint:	(DNDTimeout >= 0) AND (DNDTimeout <= 120)
Remarks:	Period in minutes to remind the user that DND is active

2.3.52.11 fkaarneighborhood (FI-1120)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Used by both gateway and Phone

Rule (RI-22):

Type:	Validation (Insert/Update)
Rule Name:	AAR feature support required
Description:	Device.fkAARNeighorhood and Device.fkCallingSearchSpace_AAR can only be specified for devices that support the AAR feature
Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 21 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
Error Message:	AAR Group and Calling Search Space can only be used for devices that support the AAR feature.
Remedy:	Check device type and AAR feature support before specifying an AAR Group or AAR Calling Search Space.

2.3.52.12 fkcallingsearchspace (FI-11)

Type:	guid (Null OK)
Default Value:	NULL
Migration Source:	NULL

Rule (RI-27):

Type:	Validation (Insert/Update)
Rule Name:	Device CSS Restriction
Description:	Calling Search Space is allowed for devices that originate or direct calls. This currently includes the following classes of device: Gateway, Phone, CTI Route Point, Trunk, Simulation. Not valid for other classes. (Note: change to lookup in ProductSupportsFeature)
Test Condition:	Device.fkCallingSearchSpace IS NOT NULL AND Device.tkClass NOT IN (1, 2, 8, 10, 13, 18) THEN Throw Exception
Error Message:	CallingSearchSpace is not valid for this type of device.
Remedy:	Remove the Calling Search Space setting from the device and try again.

2.3.52.13 fkcallingsearchspace_aar (FI-1118)

Type:	guid (Null OK)
Default Value:	NULL
Migration Source:	NULL

Rule (RI-22):

Type:	Validation (Insert/Update)
Rule Name:	AAR feature support required
Description:	Device.fkAARNeighorhood and Device.fkCallingSearchSpace_AAR can only be specified for devices that support the AAR feature
Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 21 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
Error Message:	AAR Group and Calling Search Space can only be used for devices that support the AAR feature.
Remedy:	Check device type and AAR feature support before specifying an AAR Group or AAR Calling Search Space.

2.3.52.14 fkcallingsearchspace_cdpntransform (FI-3506)

Type:	guid (Null OK)
Default Value:	NULL

Remarks:	If useDevicePoolCdpnTransformCSS is set to False this transformation will be applied on the called party
Rule (RI-447):	Type: Validation (Insert/Update) Rule Name: Device.fkCallingSearchSpace_CdPNTransform is allowed for all gateways other than FXS ports Description: Device.fkCallingSearchSpace_CdPNTransform is allowed for all gateways other than FXS ports Test Condition: ON INSERT/UPDATE Error Message: Device.fkCallingSearchSpace_CdPNTransform is allowed for all gateways other than FXS ports

2.3.52.15 fkcallingsearchspace_cgpnintl (FI-5124)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Calling Party International Number

2.3.52.16 fkcallingsearchspace_cgpnnational (FI-5123)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Calling Party National Number

2.3.52.17 fkcallingsearchspace_cgpnsubscriber (FI-5126)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Calling Party Subscriber Number

2.3.52.18 fkcallingsearchspace_cgpntransform (FI-3378)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Calling Search Space for Calling Party Name Transformation Pattern

2.3.52.19 fkcallingsearchspace_cgpnunknown (FI-5125)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Calling Party Unknown Number

2.3.52.20 fkcallingsearchspace_refer (FI-2397)

Type:	guid (Null OK)

Default Value:	NULL
Remarks:	Pkid of CallingSearchSpace record for refer called Rerouting Calling Search Space in Admin

2.3.52.21 fkcallingsearchspace_reroute (FI-2396)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Pkid of CallingSearchSpace record for rerouting called Out-of-dialog Refer Calling Search Space in Admin

2.3.52.22 fkcallingsearchspace_restrict (FI-2714)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Pkid of CallingSearchSpace record for restriction

2.3.52.23 fkcallmanagergroup (FI-1301)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Used only by some Gateways.
Rule (RFI-6):	Type: Inter-field Condition and Constraint Test Condition: tkClass = 7 OR tkModel = 133 Constraint: fkCallManagerGroup IS NOT NULL Null Allowed: null Remarks: CallManager required for Route list or WSM trunk.
Rule (RFI-7):	Type: Inter-field Condition and Constraint Test Condition: tkClass != 7 AND tkModel != 133 Constraint: fkCallManagerGroup IS NULL Null Allowed: null Remarks: CallManager cannot be assigned.

2.3.52.24 fkcommondeviceconfig (FI-3164)

Type:	guid (Null OK)
Default Value:	NULL

2.3.52.25 fkcommonphoneconfig (FI-2945)

Type:	guid
Default Value:	ac243d17-98b4-4118-8feb-5ff2e1b781ac

2.3.52.26 fkdevicepool (FI-8)

Type:	guid (Null OK)
Default Value:	NULL
Migration Source:	Convert from DeviceList.DevicePool
Rule (RI-29):	Type: Validation (Insert/Update) Rule Name: Device Pool Required Description: All devices that register with CallManager must be assigned to a specific Device Pool, except for Route Lists which use only a CallManager Group Test Condition: IF (Device.fkDevicePool IS NULL AND Device.tkClass NOT IN (7, 15, 17, 254)) THEN Throw Exception Error Message: A Device Pool is required for this device. Remedy: Specify a Device Pool and try again.
Rule (RI-223):	Type: Active (Insert) Rule Name: Add a VGC Gateway to MGCP on Device update Description: On Insert only Test Condition: ?

2.3.52.27 fkdialrules (FI-2395)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Pkid of DialRules record

Rule (RI-320):	Type:	Validation (Insert/Update)
	Rule Name:	Device Restriction for SIP Dial Rules
	Description:	SIP Dial Rules for 7905/7912 may only be associated with 7905 and 7912 model phones. All other phones must use 7940/7960/TMP dial rules.
	Test Condition:	ON INSERT/UPDATE IN Device IF (DialRules.tkDialPattern = 0 and Device.tkProduct IS NOT IN (7905, 7912) OR DialRules.tkDialPattern == 1 AND Device.tkProduct IS IN (7905, 7912)) THEN throw exception
	Error Message:	Cannot assign Dial Rules of this type to the specified device (model and rule types are mismatched).
	Remedy:	Check the dial rule and device type to make sure they are compatible (e.g., 7905 dial rule for a 7905 device).

2.3.52.28 fkenduser (FI-829)

Type:	guid (Indexed, Null OK)
Default Value:	NULL
Migration Source:	User.pkid
Remarks:	This is the id of currently logged on user if EM is being used, or the owner of the device if EM is not being used.

Rule (RI-163):	Type:	Validation (Insert/Update)
	Rule Name:	Device Owner or Logged In User
	Description:	End Users can only own or log into phones and CTI Route Points.
	Test Condition:	IF (@Device.fkEndUser IS NOT NULL) AND (@Device.tkClass NOT IN (1, 10)) THEN throw exception
	Error Message:	End Users can only own or log into Phones and CTI Route Points.
	Remedy:	Remove the EndUser from the device and try again.

2.3.52.29 fkenduser_mobility (FI-3381)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	End User that owns Dual-Mode, SNR Device, or deskphone with Mobility button (for Cell Pickup)

Rule (RFI-197):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkDeviceProtocol = 17
	Constraint:	(fkEndUser_Mobility IS NOT NULL)
	Remarks:	Mobility EndUser is required for Mobile Smart Client devices (Cisco Unified Mobile Communicator)
Rule (RI-411):	Type:	Active (Update)
	Rule Name:	Device.fkEndUser_Mobility change removes RemoteDestinations
	Description:	When the EndUser associated with a Dual-mode or Remote Destination Profile device is changes, any Remote Destinations associated with that device are removed because the use data is no longer valid.
	Test Condition:	ON UPDATE IN Device: IF (NVL(old_fkenduser_mobility,'') <> NVL (new_fkenduser_mobility,'')) THEN DELETE FROM remotedestination WHERE (fkdevice_dualmode = old_pkid) OR (fkdevice_remotedestination = old_pkid) END IF;

2.3.52.30 fkfeaturecontrolpolicy (FI-5715)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Feature Control Policy Record

Rule (RI-734):	Type:	Validation (Insert/Update)
	Rule Name:	Device Table Feature Control Policy Restriction
	Description:	Only devices that support Feature Control Policy can specify fkFeatureControlPolicy
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 103 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	Feature Control Policy can be set for devices that supports the Feature Control Policy
	Remedy:	Check Feature Control Policy feature support and device type before specifying a value for fkFeatureControlPolicy.

2.3.52.31 fkgeolocation (FI-5001)

Type:	guid (Null OK)
Default Value:	NULL

2.3.52.32 fkgeolocationfilter_lp (FI-5002)

Type:	guid (Null OK)

Default Value:	NULL

2.3.52.33 fklocation (FI-599)

Type:	guid	
Default Value:	29c5c1c4-8871-4d1e-8394-0b9181e8c54d	
Rule (RI-30):	Type:	Validation (Insert/Update)
	Rule Name:	Device Location Restriction
	Description:	Location is not used for MTP, Route List, Gatekeeper, Device Profile
	Test Condition:	IF (Device.fkLocation IS NOT NULL) AND (Device.tkClass IN (5, 7, 15, 17, 254)) THEN Throw Exception
	Error Message:	Location is not valid for this type of device.
	Remedy:	Remove the Location setting from the device and try again.
Rule (RI-30):	Type:	Validation (Insert/Update)
	Rule Name:	Device Location Restriction
	Description:	Location is not used for MTP, Route List, Gatekeeper, Device Profile
	Test Condition:	IF (Device.fkLocation IS NOT NULL) AND (Device.tkClass IN (5, 7, 15, 17, 254)) THEN Throw Exception
	Error Message:	Location is not valid for this type of device.
	Remedy:	Remove the Location setting from the device and try again.

2.3.52.34 fkmatrix_presence (FI-2752)

Type:	guid
Default Value:	ad243d17-98b4-4118-8feb-5ff2e1b781ac
Remarks:	delete likely, use securityprofile

2.3.52.35 fkmediaresourcelist (FI-837)

Type:	guid (Null OK)
Default Value:	NULL

Rule (RI-31):	Type:	Validation (Insert/Update)
	Rule Name:	Media Resource List Restriction
	Description:	Media Resource List is used only for Phones, Gateways, CTI Route Points, Trunks and Simulations. Media Resource List is not valid on other types of devices
	Test Condition:	IF (Device.fkMediaResourceList IS NOT NULL) AND (Device.tkClass IS NOT IN (1, 2, 10, 13, 18)) THEN Throw Exception
	Error Message:	Media Resource List is not valid for this type of device.
	Remedy:	Remove the Media Resource List setting from the device and try again.
Rule (RI-31):	Type:	Validation (Insert/Update)
	Rule Name:	Media Resource List Restriction
	Description:	Media Resource List is used only for Phones, Gateways, CTI Route Points, Trunks and Simulations. Media Resource List is not valid on other types of devices
	Test Condition:	IF (Device.fkMediaResourceList IS NOT NULL) AND (Device.tkClass IS NOT IN (1, 2, 10, 13, 18)) THEN Throw Exception
	Error Message:	Media Resource List is not valid for this type of device.
	Remedy:	Remove the Media Resource List setting from the device and try again.
Rule (RI-405):	Type:	Active (Update)
	Rule Name:	Setting MTPRequired='F' or fkMRL=NULL sets H323Device.EnableOutboundFaststart='F'
	Description:	When EnableOutboundFastStart is true for a H.323 device, the MTPRequired field must also be true, and a Media Resource Group List must be selected. If the MTPRequired is subsequently changed to False, or the Media Resource Group List is removed from the device, the EnableOutboundFaststart setting is automatically turned off.
	Test Condition:	ON UPDATE in Device: If (new_tkDeviceProtocol = 2) AND ((new_MTPRequired = 'F' AND old_MTPRequired = 'T') OR (old_fkMediaResourceList IS NOT NULL AND new_fkMediaResourceList IS NULL)) THEN UPDATE H323Device SET EnableOutboundFaststart = 'F' WHERE fkDevice = new_pkid AND EnableOutboundFaststart = 'T'; END IF;

2.3.52.36 fkmlppdomain (FI-1954)

Type:	guid (Null OK)
Default Value:	NULL
Migration Source:	mlppdomainid

Remarks:	null means uses device pool value	
Rule (RI-56):	Type:	Validation (Insert/Update)
	Rule Name:	MLPP Domain ID Restriction
	Description:	MLPP Domain ID is allowed for devices that originate or direct calls. This currently includes the following classes of device: Gateway, Phone, CTI Route Point, Trunk, Simulation and Device Profile. Not valid for other classes. (Note: change to lookup in ProductSupportsFeature)
	Test Condition:	Device.fkMlppDomainID IS NOT NULL AND Device.tkClass IN (1, 2, 8, 10, 13, 18) THEN Throw Exception
	Error Message:	MLPP Domain ID is not valid for this type of device.
	Remedy:	Remove the MLPP Domain ID setting from the device and try again.
Rule (RI-56):	Type:	Validation (Insert/Update)
	Rule Name:	MLPP Domain ID Restriction
	Description:	MLPP Domain ID is allowed for devices that originate or direct calls. This currently includes the following classes of device: Gateway, Phone, CTI Route Point, Trunk, Simulation and Device Profile. Not valid for other classes. (Note: change to lookup in ProductSupportsFeature)
	Test Condition:	Device.fkMlppDomainID IS NOT NULL AND Device.tkClass IN (1, 2, 8, 10, 13, 18) THEN Throw Exception
	Error Message:	MLPP Domain ID is not valid for this type of device.
	Remedy:	Remove the MLPP Domain ID setting from the device and try again.

2.3.52.37 fkmobilesmartclientprofile (FI-3697)

Type:	guid (Null OK)	
Default Value:	NULL	
Remarks:	Type of Smart Client for smart client devices and dual-mode phones	
Rule (RFI-196):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkDeviceProtocol = 17
	Constraint:	(fkMobileSmartClientProfile IS NOT NULL)
	Remarks:	Mobile Smart Client Profile is required for Mobile Smart Client devices (Cisco Unified Mobile Communicator)

Rule (RI-480):	Type:	Validation (Insert/Update)
	Rule Name:	MobileSmartClientProfile restriction
	Description:	Device.fkMobileSmartClientProfile can only be used when device protocol is MobileSmartClient, or the device is a Dual-Mode phone that supports Smart Client (Dual Mode feature support with Parameter = 1
	Test Condition:	ON INSERT/UPDATE IN Remotedestination: IF new_fkMobileSmartClientProfile IS NOT NULL and (new_tkdeviceprotocol != DEVICE_PROTOCOL_MOBILE_SMART_CLIENT) THEN SELECT param INTO supportsSmartClient FROM ProductSupportsFeature WHERE tksupportsfeature = 76 AND tkProduct = new_tkproduct AND tkdeviceprotocol IN (new_tkdeviceprotocol, 99); IF (NOT (supportsSmartClient = '1') THEN throw exception; END IF; END IF;
	Error Message:	MobileSmartClientProfile Cannot be used for this device
	Remedy:	Use a different device
Rule (RI-484):	Type:	Active (Update)
	Rule Name:	Clear RemoteDestination if Smart Client disabled
	Description:	If a Dual-mode device is configured with Mobile Smart Client enabled and a Remote Destination exists that is using the smart client, the RemoteDestination. fkDevice_MobileSmartClient field must be set to NULL if the Dual Mode is updated to disable the Mobile Smart Client (device.fkMobileSmartClientProfile is set to NULL).
	Test Condition:	ON UPDATE IN Device: IF (new_IsDualMode = 't') AND (new_fkMobileSmartClientProfile IS NULL) AND (old_fkMobileSmartClientProfile IS NOT NULL) THEN UPDATE RemoteDestination SET fkDevice_MobileSmartClient = NULL WHERE fkDevice_MobileSmartClient = new_pkid END IF;

2.3.52.38 fkphonetemplate (FI-9)

Type:	guid (Null OK)
Default Value:	NULL
Migration Source:	Get indirectly from PhoneDeviceToTemplate
Remarks:	If tModel.tClass is not phone, then this is NULL

Rule (RI-16):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Template required
	Description:	Devices that use a phone button template must have a template specified
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 13 AND tkModel = @Defaults.tkModel AND tkDeviceProtocol IN (@Defaults.tkDeviceProtocol,99)
	Error Message:	A device that uses Phone Templates have a specific Phone Template assigned.
	Remedy:	Specify a Phone Template.
Rule (RI-17):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Template Model
	Description:	The model must match for a device default and the specified phone template for that device type.
	Test Condition:	@Defaults.tkModel = (SELECT PhoneTemplate.tkModel FROM PhoneTemplate WHERE PhoneTemplate.pkid = @Defaults.tkPhoneTemplate)
	Error Message:	The Phone Template model does not match the device model.
	Remedy:	Specifiy a Phone Template for the correct model.
Rule (RI-423):	Type:	Active (Delete)
	Rule Name:	Remove Individual phone templates
	Description:	When a phone with individual Phone Templates is deleted, the individual Phone Templates must be deleted.
	Test Condition:	ON DELETE in Device: if phonetemplate.name like '%Individual Template' DELETE FROM phonetemplate WHERE PhoneTemplate.pkid = device.fkphoneTemplate

2.3.52.39 fkprocessnode (FI-424)

Type:	guid (Cascade Delete, Not Modifiable, Null OK)
Default Value:	NULL
Migration Source:	See word doc, each install must add node information
Remarks:	This is the node this device is running on if the device is a process.

Rule (RI-32):	Type:	Validation (Insert/Update)
	Rule Name:	Process Node Required
	Description:	Software based devices that rely on the IP Media Streaming service must be associated with a server (Process Node).
	Test Condition:	IF (Device.fkProcessNode IS NULL) AND (Device.tkModel IN (50, 70, 110, 126)) THEN Throw Exception
	Error Message:	A Server (Process Node) is required for this device.
	Remedy:	Specify a Server (Process Node) and try again.
Rule (RI-33):	Type:	Validation (Insert/Update)
	Rule Name:	Process Node Restriction
	Description:	Devices other than software media streaming applications cannot be assigned to a server (Process Node)
	Test Condition:	IF (Device.fkProcessNode IS NOT NULL) AND (Device.tkModel NOT IN (50, 70, 110, 126)) THEN Throw Exception
	Error Message:	This device cannot be assigned to a Server (ProcessNode).
	Remedy:	Remove the Server (Process Node) setting from the device and try again.
Rule (RI-34):	Type:	Validation (Insert/Update)
	Rule Name:	Enterprise Node Restriction
	Description:	Devices cannot be assigned to the reserved Enterprise Node (system Process Node)
	Test Condition:	IF (Device.fkProcessNode = '00000000-111-0000-0000-000000000000') THEN Throw Exception
	Error Message:	Devices cannot be assigned to the reserved Enterprise Node (system Process Node).
	Remedy:	Associate the device with another Server (Process Node).

Rule (RI-35):	Type:	Validation (Insert/Update)
	Rule Name:	One software device type per Server
	Description:	Only one software based IP Media Streaming device of each type (CFB, MOH, MTP, ANN) can be assigned to a Server (Process Node)
	Test Condition:	IF (SELECT COUNT(*) FROM Device WHERE fkProcessNode = @Device.fkProcessNode AND tkModel = @Device.tkModel) > 1 THEN Throw Exception
	Error Message:	Only one software based IP Media Streaming device of each type (CFB, MOH, MTP, ANN) can be assigned to a Server (Process Node).
	Remedy:	Associate the device with another Server (Process Node).
Rule (RI-380):	Type:	Validation (Insert/Update/Delete)
	Rule Name:	One server should have exactly one software device (CFB, MTP, MOH, ANN) each type
	Description:	One IP Media Streaming software device each type is install by default on all servers cannot be deleted
	Test Condition:	ON DELETE or Insert Device: IF (old_tkProduct IN (28, 30, 51, 89)) THEN throw exception;
	Error Message:	Cannot insert or delete the IP Media Streaming software devices installed on a server by default.
	Remedy:	Disable the service or remove the device from Media Resource Groups where it appears.

2.3.52.40 fksecurityprofile (FI-2349)

Type:	guid (Null OK)	
Default Value:	NULL	
Remarks:	Foreign Key to Security Profile	
Rule (RI-316):	Type:	Active (Insert/Update)
	Rule Name:	Prevent applying secure profile where not supported
	Description:	on I/U of Device
	Test Condition:	Check securityProfile
Rule (RI-340):	Type:	Validation (Insert/Update)
	Rule Name:	Correct security profile for device
	Description:	on I/U of device
	Test Condition:	prevent bad value combinations

Rule (RI-402):	Type:	Validation (Insert/Update)
	Rule Name:	Security Profile required if Standard Security Profile exists for device type
	Description:	If a Standard Security Profile exist for a given device type or class, then devices of that type or class must use a Security Profile.
	Test Condition:	ON INSERT/UPDATE INTO Device: IF (new_fkSecurityProfile IS NULL) THEN SELECT COUNT (*) INTO nRows FROM SecurityProfile where IsStandard = 't' AND tkModel = new_tkModel and tkDeviceProtocol = new_tkDeviceProtocol); IF nRows > 0 THEN throw exception;
	Error Message:	A security profile is required for this model and protocol.
	Remedy:	Specify a Security Profile that matches the device type.
Rule (RI-433):	Type:	Validation (Insert/Update)
	Rule Name:	SRTPAllowed Device Check
	Description:	SRTPAllowed only for Encrypted and TLS SIP Trunks
	Test Condition:	ON INSERT
	Error Message:	If SIP Trunk is set to STRPAllowed then Security Profile must be TLS and Encrypted
	Remedy:	Make sure the Security Profile Settings for this SIP Trunk are Encrypted and TLS
Rule (RI-459):	Type:	Validation (Insert/Update)
	Rule Name:	Device.fkSecurityProfile restriction for CUMA
	Description:	Security Profile used by a device cannot be a CUMA security policy
	Test Condition:	Security Profile used by a device cannot be a CUMA security policy
Rule (RI-472):	Type:	Validation (Insert/Update)
	Rule Name:	Security Profile must be secure for Protected device (secure tone)
	Description:	Security Profile used with Protected device must be secure (encrypted)
	Test Condition:	ON INSERT/UPDATE IN Device, SecurityProfile:
	Error Message:	Security Profiles used with Protected phones (Device.IsProtected = True) must use encryption
	Remedy:	Make sure the Security Profile uses Encryption, or disable Secure Tone on the phone

Rule (RI-736):	Type:	Active (Insert)
	Rule Name:	Set default Security Profile for Virtual Port
	Description:	On Insert of Analog Virtual Port, set a Default Security Profile
	Test Condition:	On Insert to Device
Rule (RI-736):	Type:	Active (Insert) This field is modified by this rule.
	Rule Name:	Set default Security Profile for Virtual Port
	Description:	On Insert of Analog Virtual Port, set a Default Security Profile
	Test Condition:	On Insert to Device

2.3.52.41 fksipprofile (FI-2489)

Type:	guid (Null OK)
Default Value:	NULL

2.3.52.42 fksoftkeytemplate (FI-1129)

Type:	guid (Null OK)	
Default Value:	NULL	
Remarks:	association between device and softkey template	
Rule (RI-37):	Type:	Validation (Insert/Update)
	Rule Name:	SoftkeyTemplate Restriction
	Description:	Softkey Templates can be assigned only to devices that support Softkeys
	Test Condition:	IF (@Device.fkSoftkeyTemplate IS NOT NULL) AND ((SELECT COUNT(*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 18 AND tkProduct = @Device.tkProduct AND tkDeviceprotocol IN (@Device.tkDeviceProtocol,99)) = 0) THEN Throw Exception
	Error Message:	Softkey Template is not valid for this type of device.
	Remedy:	Remove the Softkey Template setting and try again.

2.3.52.43 huntlistforvm (FI-3167)

Type:	bool
Default Value:	FALSE

2.3.52.44 ignorepi (FI-2162)

Type:	bool

Default Value:	FALSE	

2.3.52.45 ikdevice_defaultprofile (FI-833)

Type:	guid (Null OK)	
Default Value:	NULL	
Remarks:	Points to the profile to log in when "logout" is called. If an insert or update is performed, and this field is NULL, then generate an auto-generated profile based on this device's current settings. If this value was pointing to a AGP, then delete the old AGP. If the AllowHotellingFlag is true.	
Rule (RI-20):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	Autogenerate Device Profile for EM
	Description:	When EM is on (Device.AllowHotelingFlag = true), if the default Device Profile (ikDevice_DefaultProfile) does not reference a User Device Profile or the AutoGenerated Device Profile for the current device, generate a profile based on the device settings (after all changes are committed), and then set ikDevice_DefaultProfile to the pkid of the autogenerated Device Profile. The Autogenerated Device Profile uses "ADP" prefixed on current MAC address for a name (in place of SEP), and contains a copy of a subset of the settings of the current device, including information in related (child) tables like Telecaster, Speed Dial, DeviceNumPlanMap, etc.
	Test Condition:	Device.AllowHotelingFlag = true
Rule (RI-20):	Type:	Active (Insert/Update)
	Rule Name:	Autogenerate Device Profile for EM
	Description:	When EM is on (Device.AllowHotelingFlag = true), if the default Device Profile (ikDevice_DefaultProfile) does not reference a User Device Profile or the AutoGenerated Device Profile for the current device, generate a profile based on the device settings (after all changes are committed), and then set ikDevice_DefaultProfile to the pkid of the autogenerated Device Profile. The Autogenerated Device Profile uses "ADP" prefixed on current MAC address for a name (in place of SEP), and contains a copy of a subset of the settings of the current device, including information in related (child) tables like Telecaster, Speed Dial, DeviceNumPlanMap, etc.
	Test Condition:	Device.AllowHotelingFlag = true

Rule (RI-21):	Type:	Active (Update/Delete)
	Rule Name:	Remove Autogenerated Device Profile
	Description:	When a real phone with an Autogenerated Device Profile (for Extension Mobility) is deleted, or if Device.ikDevice_DefaultProfile is cleared, the Autogenerated Device Profile must be deleted.
	Test Condition:	If ((@Device.ikDevice_DefaultProfile IS NULL AND @Device.AllowHotelingFlag = FALSE) OR (Device is deleted)) Then (DELETE FROM Device WHERE Device.pkid = @Device. ikDevice_DefaultProfile AND Device.tkDeviceProfile = 2)
Rule (RI-310):	Type:	Active (Update)
	Rule Name:	(obsolete) Insert DeviceEMSyn record if auto sync of auto generated profile is needed
	Description:	When EM is on (Device.AllowHotelingFlag = true), if the default Device Profile is the auto generated Device Profile for the current device, and the value of service parameter (enableAutoDeviceProfileSynChronize) is true, then insert a record into DeviceEMSyn table with the pkid of auto-generated profile and the pkid of the current device. Later DbMon will process the change notification of DeviceEMSyn to re-generate the auto-generated profile of the current device.
	Test Condition:	Device.AllowHotelingFlag = true
Rule (RI-343):	Type:	Validation (Insert/Update)
	Rule Name:	EM Logout Profile Model and Protocol Restriction
	Description:	The model and protocol of a phone and a User Device Profile selected as the logout profile must both match
	Test Condition:	ON INSERT/UPDATE IN Device IF (Device.tkModel <> Profile.tkModel) OR (Device. tkDeviceProtocol <> Profile.tkDeviceProtocol) THEN throw exception
	Error Message:	Logout Profile is not the same model and protocol as the device
	Remedy:	Select a logout profile that is the same model and protocol as the phone and try again

2.3.52.46 ikdevice_primaryphone (FI-3524)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Primary Phone associated with this device

Rule (RI-289):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	License Provisioning for Device
	Description:	Provision licenses on device insert and device delete
	Test Condition:	ON INSERT/DELETE IN Device
	Error Message:	License provisioning on Device Insert/Delete
	Remedy:	Call to Licensing api failed

2.3.52.47 internationalprefix (FI-3513)

Type:	string [16]
Default Value:	Default
Validation:	^([0-9*#+]{0,16}|[Dd]efault)$
Remarks:	International Prefix

Rule (RFI-184):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkProduct NOT IN (2,1,90,55,52,10001,17,75,76,77)
	Constraint:	(InternationalPrefix = '') OR (InternationalPrefix = 'Default') OR (InternationalPrefix = 'default')
	Null Allowed:	null
	Remarks:	International Prefix should be empty for devices other than H323 gateways and trunks and MGCP T1/E1 PRI and BRI gateways

Rule (RFI-256):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkProduct NOT IN (2,1,90,55,52,10001,17,75,76,77)
	Constraint:	(InternationalStripDigits = '') OR (InternationalStripDigits IS NULL)
	Null Allowed:	null
	Remarks:	International Strip Digits should be empty for devices other than H323 gateways and trunks and MGCP T1/E1 PRI and BRI gateways

2.3.52.48 internationalstripdigits (FI-5112)

Type:	long (Null OK)
Default Value:	NULL
Check Constraint:	(InternationalStripDigits >= 0) AND (InternationalStripDigits <= 24)
Remarks:	International Strip Digits

Rule (RFI-228):	Type:	Inter-field Condition and Constraint
	Test Condition:	(InternationalPrefix = 'Default') OR (InternationalPrefix = 'default')
	Constraint:	InternationalStripDigits IS NULL
	Remarks:	Cannot use InternationalStripDigits when the Default prefix is used.

2.3.52.49 isactive (FI-3592)

Type:	bool
Default Value:	TRUE
Remarks:	Determines whether a phone consumes licenses and can register with CUCM. Intended to allow BAT dummy phones to be provisioned for use with TAPS without consuming additional licenses.

Rule (RI-289):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	License Provisioning for Device
	Description:	Provision licenses on device insert and device delete
	Test Condition:	ON INSERT/DELETE IN Device
	Error Message:	License provisioning on Device Insert/Delete
	Remedy:	Call to Licensing api failed

2.3.52.50 isdualmode (FI-3377)

Type:	bool (Indexed, Not Modifiable)
Default Value:	FALSE
Remarks:	Indicates a remote destination is a dual-mode phone; set based on device type

Rule (RI-379):	Type:	Validation (Insert/Update)
	Rule Name:	Device DND Option feature restriction
	Description:	DND Option can only be set to non-Zero on devices that support the DND feature (in ProductSupportsFeature table). For those devices that support the feature, only the Ringer Off (0) is valid, unless a parameter is present in the PSF record. If a parameter value of 1 exists in PSF table, only Call Reject is valid. If the param value is (2), all options including Use Common Profile (2) are valid. Dual mode and remote destination profile only support the Call Reject option.

	Test Condition:	ON INSERT INTO Device: IF((tkproduct=112 or isdualmode = 't') and (tkDNDOption <>1)) throw exception; ELSE IF (new_tkDNDOption <> 0) THEN SELECT parameter INTO restriction FROM ProductSupportsFeature WHERE (tkSupportsFeature = SUPPORTS_FEATURE_DND) AND (tkProduct = new_tkProduct) AND (tkDeviceProtocol IN (new_tkDeviceProtocol,99); IF (rows returned = 0) THEN throw exception ELSE IF (NVL(restriction, '') <> '') THEN IF (new_tkDNDOption <> restriction) THEN throw exception END IF; END IF; END IF; END IF
	Error Message:	This device does not support the selected DND Option
	Remedy:	Do not set a DND Option, or check for restrictions on which options are valid for this device.
Rule (RI-381):	Type:	Active (Insert) This field is modified by this rule.
	Rule Name:	DualMode device type (in PSF) is marked isDualMode = True
	Description:	If a device type is marked as Dual Mode in the ProductSupportsFeature table, then the Device and RemoteDestination records for the device are automatically updated to set IsDualMode field to true.
	Test Condition:	ON INSERT INTO Device
Rule (RI-381):	Type:	Active (Insert)
	Rule Name:	DualMode device type (in PSF) is marked isDualMode = True
	Description:	If a device type is marked as Dual Mode in the ProductSupportsFeature table, then the Device and RemoteDestination records for the device are automatically updated to set IsDualMode field to true.
	Test Condition:	ON INSERT INTO Device
Rule (RI-484):	Type:	Active (Update)
	Rule Name:	Clear RemoteDestination if Smart Client disabled
	Description:	If a Dual-mode device is configured with Mobile Smart Client enabled and a Remote Destination exists that is using the smart client, the RemoteDestination. fkDevice_MobileSmartClient field must be set to NULL if the Dual Mode is updated to disable the Mobile Smart Client (device.fkMobileSmartClientProfile is set to NULL).
	Test Condition:	ON UPDATE IN Device: IF (new_IsDualMode = 't') AND (new_fkMobileSmartClientProfile IS NULL) AND (old_fkMobileSmartClientProfile IS NOT NULL) THEN UPDATE RemoteDestination SET fkDevice_MobileSmartClient = NULL WHERE fkDevice_MobileSmartClient = new_pkid END IF;

2.3.52.51 ispaienabled (FI-3484)

Type:	bool

Default Value:	TRUE

2.3.52.52 isprotected (FI-3685)

Type:	bool
Default Value:	FALSE
Remarks:	Device is used for secure calls with supplementary services disabled

Rule (RI-471):		
	Type:	Validation (Insert/Update)
	Rule Name:	Secure Tone support required for Protected device
	Description:	IsProtected setting can only be true for devices supporting secure tone feature (tkSupportsFeature = 81)
	Test Condition:	ON INSERT/UPDATE IN Device:
	Error Message:	This Device Model does not support secure tone (isprotected setting)
	Remedy:	Set IsProtected to false and try again

Rule (RI-472):		
	Type:	Validation (Insert/Update)
	Rule Name:	Security Profile must be secure for Protected device (secure tone)
	Description:	Security Profile used with Protected device must be secure (encrypted)
	Test Condition:	ON INSERT/UPDATE IN Device, SecurityProfile:
	Error Message:	Security Profiles used with Protected phones (Device.IsProtected = True) must use encryption
	Remedy:	Make sure the Security Profile uses Encryption, or disable Secure Tone on the phone

Rule (RI-473):		
	Type:	Validation (Insert/Update)
	Rule Name:	DN restrictions for Protected device (secure tone)
	Description:	Do not allow a "protected" phone to have a shared line, and all lines on a protected phone must have max calls (and busy trigger) set to 1
	Test Condition:	ON INSERT/UPDATE IN Device, DeviceNumplanMap:
	Error Message:	Protected device can not support shared line.
	Remedy:	Protected device does not support shared line.

2.3.52.53 isrpidenabled (FI-3485)

Type:	bool
Default Value:	TRUE

Rule (RI-440):	Type:	Active (Update)
	Rule Name:	Setting isRpidEnabled='F' sets sipdevice.tkpresentationbit_connectedline=DEFAULT
	Description:	When IsRpidEnabled is set to FALSE in the Device Table the tkPresentationBit_ConnectedLine will be set to DEFAULT (0x00) in sipdevice table
	Test Condition:	ON UPDATE in Device: IF IsRpidEnabled='F' THEN UPDATE SIPDEVICE SET tkPresentationBit_ConnectedLine = DEFAULT; END IF;
	Error Message:	Value of tkpresentationbit_connectedline is not Compatible
Rule (RI-441):	Type:	Active (Update)
	Rule Name:	Setting IsRpidEnabled='F' sets SIPDevice.tkPresentationBit_ConnectedName=DEFAULT
	Description:	When IsRpidEnabled is set to FALSE in the Device Table the tkPresentationBit_ConnectedName will be set to DEFAULT (0x00) in SIPDevice table
	Test Condition:	ON UPDATE in Device: IF IsRPIDEnabled='F' THEN UPDATE SIPDevice SET tkPresentationBit_ConnectedName = DEFAULT; END IF;
	Error Message:	Value of tkpresentationbit_connectedname is not Compatible

2.3.52.54 isstandard (FI-3036)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	if set to true, then this device cannot be inserted or deleted, except by another business rule or the install

2.3.52.55 istrustedrelaypoint (FI-3479)

Type:	bool	
Default Value:	FALSE	
Remarks:	Applies to MTP or transcoder that acts as Trusted Relay Point for virtual networks	
Rule (RFI-163):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkClass != 5
	Constraint:	IsTrustedRelayPoint='f'
	Remarks:	IsTrustedRelayPoint can only be true for MTP or Transcoder device

2.3.52.56 md5hash (FI-3030)

Type:	string [64] (Null OK)
Default Value:	EMPTY

2.3.52.57 mtprequired (FI-1320)

Type:	bool	
Default Value:	FALSE	
Rule (RI-405):	Type:	Active (Update)
	Rule Name:	Setting MTPRequired='F' or fkMRL=NULL sets H323Device.EnableOutboundFaststart='F'
	Description:	When EnableOutboundFastStart is true for a H.323 device, the MTPRequired field must also be true, and a Media Resource Group List must be selected. If the MTPRequired is subsequently changed to False, or the Media Resource Group List is removed from the device, the EnableOutboundFaststart setting is automatically turned off.
	Test Condition:	ON UPDATE in Device: If (new_tkDeviceProtocol = 2) AND ((new_MTPRequired = 'F' AND old_MTPRequired = 'T') OR (old_fkMediaResourceList IS NOT NULL AND new_fkMediaResourceList IS NULL)) THEN UPDATE H323Device SET EnableOutboundFaststart = 'F' WHERE fkDevice = new_pkid AND EnableOutboundFaststart = 'T'; END IF;

2.3.52.58 name (FI-2)

Type:	string [129] (Unique, Indexed)	
Migration Source:	DeviceList.DeviceName	
Remarks:	URL friendly characters; 15 char for non MGCP devices else XXX@MGCPDomainName	
Rule (RI-26):	Type:	Validation (Insert/Update)
	Rule Name:	Device Name Validation
	Description:	For products that are configured as devices, name validation is based on the content of devicenameformat in specified for the product (TypeProduct). The exceptions are gateways for which the names are generated based on unit/subunit/slot position, and virtual devices used for extension mobility and configuration only (User Device Profiles, Autogenerated Profiles, Templates). Virtual devices allow ASCII names up to 50 characters including most punctuation.
	Test Condition:	ON INSERT/UPDATE IN Device
	Error Message:	The device name format is not valid or contains invalid characters.
	Remedy:	Check the name to make sure it is valid for specified product and try again.

Rule (RI-223):	Type:	Active (Insert)
	Rule Name:	Add a VGC Gateway to MGCP on Device update
	Description:	On Insert only
	Test Condition:	?
Rule (RI-250):	Type:	Active (Update)
	Rule Name:	Trim VG200 gateway name
	Description:	See CSCeg63298:VG200 gateway does not register with CCM. Need to trim leading and trailing spaces from devicename
	Test Condition:	?
Rule (RI-250):	Type:	Active (Update) This field is modified by this rule.
	Rule Name:	Trim VG200 gateway name
	Description:	See CSCeg63298:VG200 gateway does not register with CCM. Need to trim leading and trailing spaces from devicename
	Test Condition:	?
Rule (RI-289):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	License Provisioning for Device
	Description:	Provision licenses on device insert and device delete
	Test Condition:	ON INSERT/DELETE IN Device
	Error Message:	License provisioning on Device Insert/Delete
	Remedy:	Call to Licensing api failed

2.3.52.59 nationalprefix (FI-3512)

Type:	string [16]
Default Value:	Default
Validation:	^([0-9*#+]{0,16}|[Dd]efault)$
Remarks:	National Prefix

Rule (RFI-183):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkProduct NOT IN (2,1,90,55,52,10001,17,75,76,77)
	Constraint:	(NationalPrefix = '') OR (NationalPrefix = 'Default') OR (NationalPrefix = 'default')
	Null Allowed:	null
	Remarks:	National Prefix should be empty for devices other than H323 gateways and trunks and MGCP T1/E1 PRI and BRI gateways
Rule (RFI-255):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkProduct NOT IN (2,1,90,55,52,10001,17,75,76,77)
	Constraint:	(NationalStripDigits = '') OR (NationalStripDigits IS NULL)
	Null Allowed:	null
	Remarks:	National Strip Digits should be empty for devices other than H323 gateways and trunks and MGCP T1/E1 PRI and BRI gateways

2.3.52.60 nationalstripdigits (FI-5111)

Type:	long (Null OK)
Default Value:	NULL
Check Constraint:	(NationalStripDigits >= 0) AND (NationalStripDigits <= 24)
Remarks:	National Strip Digits

Rule (RFI-227):	Type:	Inter-field Condition and Constraint
	Test Condition:	(NationalPrefix = 'Default') OR (NationalPrefix = 'default')
	Constraint:	NationalStripDigits IS NULL
	Remarks:	Cannot use StripDigits when the Default prefix is used.

2.3.52.61 networkholdmohaudiosourceid (FI-839)

Type:	long (Null OK)
Default Value:	NULL

Rule (RI-60):	Type:	Validation (Insert/Update)
	Rule Name:	Network Hold Audio Source Restriction
	Description:	Only devices that support Music On Hold feature use the Network Hold Audio Source setting
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 4 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	Network Hold Audio Source can only be used for devices that support the Music On Hold feature.
	Remedy:	Check device type and Music On Hold feature support before specifying a Network Hold Audio Source.

2.3.52.62 packetcapturereduration (FI-1911)

Type:	long (Null OK)
Default Value:	0
Check Constraint:	(PacketCaptureDuration >= 0) AND (PacketCaptureDuration <= 300)
Remarks:	Duration in minutes

2.3.52.63 pkid (FI-1)

Type:	guid (Unique, Indexed, Not Modifiable)	
Default Value:	newid()	
Migration Source:	Generated	
Remarks:	Unique ID to identify a record.	
Rule (RI-16):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Template required
	Description:	Devices that use a phone button template must have a template specified
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 13 AND tkModel = @Defaults.tkModel AND tkDeviceProtocol IN (@Defaults.tkDeviceProtocol,99)
	Error Message:	A device that uses Phone Templates have a specific Phone Template assigned.
	Remedy:	Specify a Phone Template.

Rule (RI-17):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Template Model
	Description:	The model must match for a device default and the specified phone template for that device type.
	Test Condition:	@Defaults.tkModel = (SELECT PhoneTemplate.tkModel FROM PhoneTemplate WHERE PhoneTemplate.pkid = @Defaults.tkPhoneTemplate)
	Error Message:	The Phone Template model does not match the device model.
	Remedy:	Specifiy a Phone Template for the correct model.
Rule (RI-20):	Type:	Active (Insert/Update)
	Rule Name:	Autogenerate Device Profile for EM
	Description:	When EM is on (Device.AllowHotelingFlag = true), if the default Device Profile (ikDevice_DefaultProfile) does not reference a User Device Profile or the AutoGenerated Device Profile for the current device, generate a profile based on the device settings (after all changes are committed), and then set ikDevice_DefaultProfile to the pkid of the autogenerated Device Profile. The Autogenerated Device Profile uses "ADP" prefixed on current MAC address for a name (in place of SEP), and contains a copy of a subset of the settings of the current device, including information in related (child) tables like Telecaster, Speed Dial, DeviceNumPlanMap, etc.
	Test Condition:	Device.AllowHotelingFlag = true
Rule (RI-26):	Type:	Validation (Insert/Update)
	Rule Name:	Device Name Validation
	Description:	For products that are configured as devices, name validation is based on the content of devicenameformat in specified for the product (TypeProduct). The exceptions are gateways for which the names are generated based on unit/subunit/slot position, and virtual devices used for extension mobility and configuration only (User Device Profiles, Autogenerated Profiles, Templates). Virtual devices allow ASCII names up to 50 characters including most punctuation.
	Test Condition:	ON INSERT/UPDATE IN Device
	Error Message:	The device name format is not valid or contains invalid characters.
	Remedy:	Check the name to make sure it is valid for specified product and try again.

Rule (RI-184):	Type:	Validation (Insert/Update)
	Rule Name:	Insert/Update of Device for an MGCP Endpoint
	Description:	When a new MGCP endpoint device is created/ updated, the devicename should follow the name pattern for that device. This pattern is in Gateway layout table for that MGCP Product, slot position, MGCPSlotModule and MGCpVic.
	Test Condition:	On Insert or Update of MGCP Gateway endpoint.
	Error Message:	Device name format is not correct.
Rule (RI-199):	Type:	Validation (Insert/Update)
	Rule Name:	Device Security Feature validation
	Description:	Valid Device Security Modes for each device type are determined by the ProductSupportsFeature records for the security features. Devices that do not support any security feature must be set to non-secure mode. Devices that support other security modes can be set to Default, Not-Secure, or one of the supported security modes (Authentication or Encryption as determined in ProductSupportsFeature).
	Test Condition:	On Insert/Update of tksecuritymode on Device table.
	Error Message:	The security feature is not supported for this device
	Remedy:	Either unselect the desired feature or choose another device.
Rule (RI-202):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Generate Default Device Profile for Model
	Description:	Create a Default Device Profile for a device type if one does not already exist, and extension mobility is enabled on a device of that type (e.g., create the Default Device Profile for a Cisco 7960 if it does not exist and EM is enabled on a 7960).
	Test Condition:	IF (NEW.AllowHotelingFlag is true) and ((select count(*) from device where tkmodel = NEW. tkmodel and tkdeviceprofile = 3) = 0)
	Error Message:	No default model profile, no mismatch login performed
Rule (RI-216):	Type:	Active (Insert/Update)
	Rule Name:	device versionstamp
	Description:	on change to anything in device xml file, update versionstamp
	Test Condition:	update device

Rule (RI-223):	Type:	Active (Insert)
	Rule Name:	Add a VGC Gateway to MGCP on Device update
	Description:	On Insert only
	Test Condition:	?
Rule (RI-263):	Type:	Active (Insert)
	Rule Name:	Set QSIG on Device
	Description:	When a device is inserted, the QSIG setting for the device is determined automatically as follows: For trunks other than Inter-cluster trunk, the device is treated as H.323; inter-cluster trunk is treated as Mixed-Non-QSIG. Digital Access PRI gateways using QSIG protocol are considered QSIG, H.323 Gateways are considered H.323, and all other gateways (including Digital Access PRI with a non-QSIG protocol) are Mixed-Non-QSIG. All other devices except Route Lists are considered Mixed-Non-QSIG. For Route Lists, see rule "Set QSIG on Route List"
	Test Condition:	On Insert into Device
Rule (RI-289):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	License Provisioning for Device
	Description:	Provision licenses on device insert and device delete
	Test Condition:	ON INSERT/DELETE IN Device
	Error Message:	License provisioning on Device Insert/Delete
	Remedy:	Call to Licensing api failed
Rule (RI-297):	Type:	Validation (Insert/Update)
	Rule Name:	SRTP and Outbound Faststart Conflict
	Description:	The SRTPAllowed and EnableOutboundFastStart settings (for H.323 devices) are mutually exclusive - only one may be true at any given time.
	Test Condition:	IF (Device.SRTPAllowed = 't') AND (H323Device.EnableOutboundFastStart = 't') THEN throw exception
	Error Message:	SRTP and Outbound FastStart cannot be enabled at the same time.
	Remedy:	Disable either SRTP or Outbound FastStart and try again.

Rule (RI-305):	Type:	Active (Insert)
	Rule Name:	device insert versionstamp
	Description:	on insert of a device, generate a deviceversionstamp record
	Test Condition:	insert device
Rule (RI-310):	Type:	Active (Update)
	Rule Name:	(obsolete) Insert DeviceEMSyn record if auto sync of auto generated profile is needed
	Description:	When EM is on (Device.AllowHotelingFlag = true), if the default Device Profile is the auto generated Device Profile for the current device, and the value of service parameter (enableAutoDeviceProfileSynChronize) is true, then insert a record into DeviceEMSyn table with the pkid of auto-generated profile and the pkid of the current device. Later DbMon will process the change notification of DeviceEMSyn to re-generate the auto-generated profile of the current device.
	Test Condition:	Device.AllowHotelingFlag = true
Rule (RI-316):	Type:	Active (Insert/Update)
	Rule Name:	Prevent applying secure profile where not supported
	Description:	on I/U of Device
	Test Condition:	Check securityProfile
Rule (RI-320):	Type:	Validation (Insert/Update)
	Rule Name:	Device Restriction for SIP Dial Rules
	Description:	SIP Dial Rules for 7905/7912 may only be associated with 7905 and 7912 model phones. All other phones must use 7940/7960/TMP dial rules.
	Test Condition:	ON INSERT/UPDATE IN Device IF (DialRules.tkDialPattern = 0 and Device.tkProduct IS NOT IN (7905, 7912) OR DialRules.tkDialPattern == 1 AND Device.tkProduct IS IN (7905, 7912)) THEN throw exception
	Error Message:	Cannot assign Dial Rules of this type to the specified device (model and rule types are mismatched).
	Remedy:	Check the dial rule and device type to make sure they are compatible (e.g., 7905 dial rule for a 7905 device).

Rule (RI-336):	Type:	Validation (Delete)
	Rule Name:	Deletion of In use Device Profile is not allowed
	Description:	on D of Device Profile
	Test Condition:	prevent deletion of device profile
Rule (RI-338):	Type:	Validation (Insert)
	Rule Name:	One default profile per model
	Description:	Only one EM device default profile allowed per model
	Test Condition:	SELECT COUNT(*) FROM Device where tkdeviceprofile = 3 AND tkmodel = @tkmodel
	Error Message:	Only one device default profile is allowed per model
Rule (RI-339):	Type:	Validation (Delete)
	Rule Name:	Device default profile cannot be deleted
	Description:	The device default profile cannot be deleted when there is still extension mobility enabled device for that model
	Test Condition:	IF EXISTS (SELECT name FROM Device where allowhotelingflag = 't' and tkmodel = @tkmodel)
	Error Message:	There is still some devices have extension mobility enabled for this model, device default profile cannot be deleted
Rule (RI-343):	Type:	Validation (Insert/Update)
	Rule Name:	EM Logout Profile Model and Protocol Restriction
	Description:	The model and protocol of a phone and a User Device Profile selected as the logout profile must both match
	Test Condition:	ON INSERT/UPDATE IN Device IF (Device.tkModel <> Profile.tkModel) OR (Device. tkDeviceProtocol <> Profile.tkDeviceProtocol) THEN throw exception
	Error Message:	Logout Profile is not the same model and protocol as the device
	Remedy:	Select a logout profile that is the same model and protocol as the phone and try again

Rule (RI-359):	Type:	Active (Delete)
	Rule Name:	Remove MGCP Member from MGCP when Device is Deleted
	Description:	When the endpoint device in an MGCP gateway is deleted, cascade the delete to the MGCPDeviceMember table if that record has not already been removed. MGCPDeviceMember and Device records should always be deleted together.
	Test Condition:	ON DELETE in Device: DELETE FROM MGCPDeviceMember WHERE fkDevice = @pkid
Rule (RI-372):	Type:	Active (Insert)
	Rule Name:	Insert Dynamic Records for Device Table
	Description:	When a device record for a phone is inserted, insert records for DND, Privacy, Mobility and Hunt Group Log (Hlog) as needed based on product feature support.
	Test Condition:	ON INSERT INTO Device
Rule (RI-376):	Type:	Active (Insert/Update)
	Rule Name:	Insert Dynamic Records for Extension Mobility
	Description:	When Extension Mobility (EM) is enabled on a phone, create the corresponding record in the ExtensionMobilityDynamic
	Test Condition:	ON INSERT/UPDATE INTO Device: IF (new_AllowHotelingFlag = 't') THEN SELECT COUNT(*) INTO nRows FROM ExtensionMobilityDynamic WHERE (fkDevice = new_pkid); IF (nRows = 0) THEN INSERT INTO ExtensionMobilityDynamic (fkDevice) VALUES (new_pkid); END IF; ENDIF;
Rule (RI-405):	Type:	Active (Update)
	Rule Name:	Setting MTPRequired='F' or fkMRL=NULL sets H323Device.EnableOutboundFaststart='F'
	Description:	When EnableOutboundFastStart is true for a H.323 device, the MTPRequired field must also be true, and a Media Resource Group List must be selected. If the MTPRequired is subsequently changed to False, or the Media Resource Group List is removed from the device, the EnableOutboundFaststart setting is automatically turned off.
	Test Condition:	ON UPDATE in Device: If (new_tkDeviceProtocol = 2) AND ((new_MTPRequired = 'F' AND old_MTPRequired = 'T') OR (old_fkMediaResourceList IS NOT NULL AND new_fkMediaResourceList IS NULL)) THEN UPDATE H323Device SET EnableOutboundFaststart = 'F' WHERE fkDevice = new_pkid AND EnableOutboundFaststart = 'T'; END IF;

Rule (RI-411):	Type:	Active (Update)
	Rule Name:	Device.fkEndUser_Mobility change removes RemoteDestinations
	Description:	When the EndUser associated with a Dual-mode or Remote Destination Profile device is changes, any Remote Destinations associated with that device are removed because the use data is no longer valid.
	Test Condition:	ON UPDATE IN Device: IF (NVL(old_fkenduser_mobility,'') <> NVL (new_fkenduser_mobility,'')) THEN DELETE FROM remotedestination WHERE (fkdevice_dualmode = old_pkid) OR (fkdevice_remotedestination = old_pkid) END IF;
Rule (RI-418):	Type:	Active (Insert)
	Rule Name:	DeviceTFTPDynamic rebuildToggle
	Description:	update entry in DeviceTFTPDynamic
	Test Condition:	insert into DeviceTFTPDynamic
Rule (RI-423):	Type:	Active (Delete)
	Rule Name:	Remove Individual phone templates
	Description:	When a phone with individual Phone Templates is deleted, the individual Phone Templates must be deleted.
	Test Condition:	ON DELETE in Device: if phonetemplate.name like '%Individual Template' DELETE FROM phonetemplate WHERE PhoneTemplate.pkid = device.fkphoneTemplate
Rule (RI-440):	Type:	Active (Update)
	Rule Name:	Setting isRpidEnabled='F' sets sipdevice.tkpresentationbit_connectedline=DEFAULT
	Description:	When IsRpidEnabled is set to FALSE in the Device Table the tkPresentationBit_ConnectedLine will be set to DEFAULT (0x00) in sipdevice table
	Test Condition:	ON UPDATE in Device: IF IsRpidEnabled='F' THEN UPDATE SIPDEVICE SET tkPresentationBit_ConnectedLine = DEFAULT; END IF;
	Error Message:	Value of tkpresentationbit_connectedline is not Compatible

Rule (RI-441):	Type:	Active (Update)
	Rule Name:	Setting IsRpidEnabled='F' sets SIPDevice.tkPresentationBit_ConnectedName=DEFAULT
	Description:	When IsRpidEnabled is set to FALSE in the Device Table the tkPresentationBit_ConnectedName will be set to DEFAULT (0x00) in SIPDevice table
	Test Condition:	ON UPDATE in Device: IF IsRPIDEnabled='F' THEN UPDATE SIPDevice SET tkPresentationBit_ConnectedName = DEFAULT; END IF;
	Error Message:	Value of tkpresentationbit_connectedname is not Compatible
Rule (RI-468):	Type:	Active (Delete)
	Rule Name:	Remove default intercom device from Numplan when Device is Deleted
	Description:	When a device is deleted, update all Numplan records where this device is used as fkDevice_IntercomDefault
	Test Condition:	ON DELETE in Device: UPDATE Numplan set fkDevice_IntercomDefault = NULL WHERE fkDevice_IntercomDefault = @pkid
Rule (RI-473):	Type:	Validation (Insert/Update)
	Rule Name:	DN restrictions for Protected device (secure tone)
	Description:	Do not allow a "protected" phone to have a shared line, and all lines on a protected phone must have max calls (and busy trigger) set to 1
	Test Condition:	ON INSERT/UPDATE IN Device, DeviceNumplanMap:
	Error Message:	Protected device can not support shared line.
	Remedy:	Protected device does not support shared line.
Rule (RI-480):	Type:	Validation (Insert/Update)
	Rule Name:	MobileSmartClientProfile restriction
	Description:	Device.fkMobileSmartClientProfile can only be used when device protocol is MobileSmartClient, or the device is a Dual-Mode phone that supports Smart Client (Dual Mode feature support with Parameter = 1
	Test Condition:	ON INSERT/UPDATE IN Remotedestination: IF new_fkMobileSmartClientProfile IS NOT NULL and (new_tkdeviceprotocol != DEVICE_PROTOCOL_MOBILE_SMART_CLIENT) THEN SELECT param INTO supportsSmartClient FROM ProductSupportsFeature WHERE tksupportsfeature = 76 AND tkProduct = new_tkproduct AND tkdeviceprotocol IN (new_tkdeviceprotocol, 99); IF (NOT (supportsSmartClient = '1') THEN throw exception; END IF; END IF;
	Error Message:	MobileSmartClientProfile Cannot be used for this device

	Remedy:	Use a different device
Rule (RI-484):	Type:	Active (Update)
	Rule Name:	Clear RemoteDestination if Smart Client disabled
	Description:	If a Dual-mode device is configured with Mobile Smart Client enabled and a Remote Destination exists that is using the smart client, the RemoteDestination. fkDevice_MobileSmartClient field must be set to NULL if the Dual Mode is updated to disable the Mobile Smart Client (device.fkMobileSmartClientProfile is set to NULL).
	Test Condition:	ON UPDATE IN Device: IF (new_IsDualMode = 't') AND (new_fkMobileSmartClientProfile IS NULL) AND (old_fkMobileSmartClientProfile IS NOT NULL) THEN UPDATE RemoteDestination SET fkDevice_MobileSmartClient = NULL WHERE fkDevice_MobileSmartClient = new_pkid END IF;

2.3.52.64 publickey (FI-2464)

Type:	string [2048] (Null OK)
Default Value:	NULL

2.3.52.65 remotedevice (FI-3168)

Type:	bool
Default Value:	FALSE

2.3.52.66 requiredtmfreception (FI-2462)

Type:	bool
Default Value:	FALSE

2.3.52.67 resettoggle (FI-3110)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset

Rule (RI-216):	Type:	Active (Insert/Update)
	Rule Name:	device versionstamp
	Description:	on change to anything in device xml file, update versionstamp
	Test Condition:	update device

Rule (RI-305):	Type:	Active (Insert)
	Rule Name:	device insert versionstamp
	Description:	on insert of a device, generate a deviceversionstamp record
	Test Condition:	insert device

2.3.52.68 retryvideocallasaudio (FI-1230)

Type:	bool
Default Value:	TRUE

2.3.52.69 rfc2833disabled (FI-2490)

Type:	bool
Default Value:	FALSE

2.3.52.70 routelistenabled (FI-1300)

Type:	bool	
Default Value:	FALSE	
Rule (RI-64):	Type:	Validation (Insert/Update)
	Rule Name:	Route List Enabled Restriction
	Description:	Only Route List device may set the RouteListEnabled setting to true.
	Test Condition:	IF (@Device.RouteListEnabled = TRUE) AND (@Device.tkModel != 90) THEN throw exception
	Error Message:	Route List Enabled can be true only for Route List devices.
	Remedy:	Check device type and try again.

2.3.52.71 sendgeolocation (FI-5003)

Type:	bool
Default Value:	FALSE
Remarks:	If true the GeoLocation is sent for the device else not

2.3.52.72 specialloadinformation (FI-7)

Type:	string [32] (Null OK)
Default Value:	NULL
Migration Source:	Set to NULL
Remarks:	Used only by devices with firmware loads

Rule (RI-65):	Type:	Validation (Insert/Update)
	Rule Name:	Special Load Information Restriction
	Description:	Special Load Information can only specified on a device that has a Firmware Load.
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 12 AND tkModel = @Device.tkModel
	Error Message:	Special Load Information can only specified on a device that has a Firmware Load.
	Remedy:	Check device type or remove Special Firmware Load information and try again.

2.3.52.73 srtpallowed (FI-3033)

Type:	bool
Default Value:	FALSE

Rule (RI-297):	Type:	Validation (Insert/Update)
	Rule Name:	SRTP and Outbound Faststart Conflict
	Description:	The SRTPAllowed and EnableOutboundFastStart settings (for H.323 devices) are mutually exclusive - only one may be true at any given time.
	Test Condition:	IF (Device.SRTPAllowed = 't') AND (H323Device.EnableOutboundFastStart = 't') THEN throw exception
	Error Message:	SRTP and Outbound FastStart cannot be enabled at the same time.
	Remedy:	Disable either SRTP or Outbound FastStart and try again.

Rule (RI-433):	Type:	Validation (Insert/Update)
	Rule Name:	SRTPAllowed Device Check
	Description:	SRTPAllowed only for Encrypted and TLS SIP Trunks
	Test Condition:	ON INSERT
	Error Message:	If SIP Trunk is set to STRPAllowed then Security Profile must be TLS and Encrypted
	Remedy:	Make sure the Security Profile Settings for this SIP Trunk are Encrypted and TLS

2.3.52.74 srtpfallbackallowed (FI-3481)

Type:	bool
Default Value:	FALSE
Remarks:	Allow fallback to Local SRTP

2.3.52.75 sshpassword (FI-2711)

Type:	string [200]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,200}$
Remarks:	SSH password for phone

2.3.52.76 sshuserid (FI-2712)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,50}$
Remarks:	SSH userid for phone

2.3.52.77 subscriberprefix (FI-3515)

Type:	string [16]
Default Value:	Default
Validation:	^([0-9*#+]{0,16}|[Dd]efault)$
Remarks:	Subscriber Prefix

Rule (RFI-185):

Type:	Inter-field Condition and Constraint
Test Condition:	tkProduct NOT IN (2,1,90,55,52,10001,17,75,76,77)
Constraint:	(SubscriberPrefix = '') OR (SubscriberPrefix = 'Default') OR (SubscriberPrefix = 'default')
Null Allowed:	null
Remarks:	Subscriber Prefix should be empty for devices other than H323 gateways and trunks and MGCP T1/E1 PRI and BRI gateways

Rule (RFI-257):

Type:	Inter-field Condition and Constraint
Test Condition:	tkProduct NOT IN (2,1,90,55,52,10001,17,75,76,77)
Constraint:	(SubscriberStripDigits = '') OR (SubscriberStripDigits IS NULL)
Null Allowed:	null
Remarks:	Subscriber Strip Digits should be empty for devices other than H323 gateways and trunks and MGCP T1/E1 PRI and BRI gateways

2.3.52.78 subscriberstripdigits (FI-5114)

Type:	long (Null OK)
Default Value:	NULL

Check Constraint:	(SubscriberStripDigits >= 0) AND (SubscriberStripDigits <= 24)
Remarks:	Subscriber Strip Digits
Rule (RFI-230):	Type: Inter-field Condition and Constraint Test Condition: (SubscriberPrefix= 'Default') OR (SubscriberPrefix= 'default') Constraint: SubscriberStripDigits IS NULL Remarks: Cannot use SubscriberStripDigits when the Default prefix is used.

2.3.52.79 subunit (FI-926)

Type:	long (Not Modifiable)
Default Value:	0

2.3.52.80 tkbarge (FI-3466)

Type:	enum
Default Value:	3
Rule (RI-416):	Type: Validation (Insert/Update) Rule Name: Single Button Barge Restriction Description: Only devices that support Join Across lines can have a value other than zero for tkBarge Test Condition: SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 78 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99) Error Message: Single Button Barge can only be set for devices that have the Single Button Barge Feature Remedy: Check the Single Button Barge feature support and device type before specifying a Single Button Barge value.

2.3.52.81 tkcertificateoperation (FI-2347)

Type:	enum
Default Value:	1
Remarks:	Certificate Operation

2.3.52.82 tkcertificatestatus (FI-1914)

Type:	enum
Default Value:	1

2.3.52.83 tkclass (FI-146)

Type:	enum

Migration Source:	DeviceList.Type	
Remarks:	Redundant. Use tkModel to look up Class in TypeModel table.	
Rule (RFI-14):	Type:	Inter-field Condition and Constraint
	Test Condition:	RouteListEnabled = 't'
	Constraint:	tkClass = 7
	Remarks:	Make sure RouteListEnabled is enabled for RouteLists only
Rule (RI-25):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	Set Device Profile and Class
	Description:	When a device is inserted as a Device Profile, the class of the device is changed to CLASS_DEVICE_PROFILE indicate it is a profile rather than a real device.
	Test Condition:	If (Device.tkDeviceProfile != 0) Then Set Device.tkClass = 254
Rule (RI-25):	Type:	Active (Insert/Update)
	Rule Name:	Set Device Profile and Class
	Description:	When a device is inserted as a Device Profile, the class of the device is changed to CLASS_DEVICE_PROFILE indicate it is a profile rather than a real device.
	Test Condition:	If (Device.tkDeviceProfile != 0) Then Set Device.tkClass = 254
Rule (RI-66):	Type:	Active (Insert) This field is modified by this rule.
	Rule Name:	Set tkClass on Insert
	Description:	The class of a device is determined by the settings in the TypeModel table in the database. A device's class is set at insert and cannot be modified. Class is determined by Model, and Model is determined by Product.
	Test Condition:	SET Device.tkClass = (SELECT tkClass FROM TypeModel WHERE Enum = (SELECT tkModel FROM TypeProduct WHERE Enum = @Device.tkProduct))

Rule (RI-66):	Type:	Active (Insert)
	Rule Name:	Set tkClass on Insert
	Description:	The class of a device is determined by the settings in the TypeModel table in the database. A device's class is set at insert and cannot be modified. Class is determined by Model, and Model is determined by Product.
	Test Condition:	SET Device.tkClass = (SELECT tkClass FROM TypeModel WHERE Enum = (SELECT tkModel FROM TypeProduct WHERE Enum = @Device.tkProduct))
Rule (RI-223):	Type:	Active (Insert)
	Rule Name:	Add a VGC Gateway to MGCP on Device update
	Description:	On Insert only
	Test Condition:	?
Rule (RI-263):	Type:	Active (Insert)
	Rule Name:	Set QSIG on Device
	Description:	When a device is inserted, the QSIG setting for the device is determined automatically as follows: For trunks other than Inter-cluster trunk, the device is treated as H.323; inter-cluster trunk is treated as Mixed-Non-QSIG. Digital Access PRI gateways using QSIG protocol are considered QSIG, H.323 Gateways are considered H.323, and all other gateways (including Digital Access PRI with a non-QSIG protocol) are Mixed-Non-QSIG. All other devices except Route Lists are considered Mixed-Non-QSIG. For Route Lists, see rule "Set QSIG on Route List"
	Test Condition:	On Insert into Device
Rule (RI-289):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	License Provisioning for Device
	Description:	Provision licenses on device insert and device delete
	Test Condition:	ON INSERT/DELETE IN Device
	Error Message:	License provisioning on Device Insert/Delete
	Remedy:	Call to Licensing api failed
Rule (RI-316):	Type:	Active (Insert/Update)
	Rule Name:	Prevent applying secure profile where not supported
	Description:	on I/U of Device
	Test Condition:	Check securityProfile

Rule (RI-343):	Type:	Validation (Insert/Update)
	Rule Name:	EM Logout Profile Model and Protocol Restriction
	Description:	The model and protocol of a phone and a User Device Profile selected as the logout profile must both match
	Test Condition:	ON INSERT/UPDATE IN Device IF (Device.tkModel <> Profile.tkModel) OR (Device. tkDeviceProtocol <> Profile.tkDeviceProtocol) THEN throw exception
	Error Message:	Logout Profile is not the same model and protocol as the device
	Remedy:	Select a logout profile that is the same model and protocol as the phone and try again
Rule (RI-372):	Type:	Active (Insert)
	Rule Name:	Insert Dynamic Records for Device Table
	Description:	When a device record for a phone is inserted, insert records for DND, Privacy, Mobility and Hunt Group Log (Hlog) as needed based on product feature support.
	Test Condition:	ON INSERT INTO Device
Rule (RI-376):	Type:	Active (Insert/Update)
	Rule Name:	Insert Dynamic Records for Extension Mobility
	Description:	When Extension Mobility (EM) is enabled on a phone, create the corresponding record in the ExtensionMobilityDynamic
	Test Condition:	ON INSERT/UPDATE INTO Device: IF (new_AllowHotelingFlag = 't') THEN SELECT COUNT(*) INTO nRows FROM ExtensionMobilityDynamic WHERE (fkDevice = new_pkid); IF (nRows = 0) THEN INSERT INTO ExtensionMobilityDynamic (fkDevice) VALUES (new_pkid); END IF; ENDIF;
Rule (RI-378):	Type:	Validation (Insert)
	Rule Name:	Prevent too many phones in database
	Description:	The number of allowed phones in the cluster has been exceeded.
	Test Condition:	ON INSERT INTO Device

Rule (RI-402):	Type:	Validation (Insert/Update)
	Rule Name:	Security Profile required if Standard Security Profile exists for device type
	Description:	If a Standard Security Profile exist for a given device type or class, then devices of that type or class must use a Security Profile.
	Test Condition:	ON INSERT/UPDATE INTO Device: IF (new_fkSecurityProfile IS NULL) THEN SELECT COUNT (*) INTO nRows FROM SecurityProfile where IsStandard = 't' AND tkModel = new_tkModel and tkDeviceProtocol = new_tkDeviceProtocol); IF nRows > 0 THEN throw exception;
	Error Message:	A security profile is required for this model and protocol.
	Remedy:	Specify a Security Profile that matches the device type.
Rule (RI-418):	Type:	Active (Insert)
	Rule Name:	DeviceTFTPDynamic rebuildToggle
	Description:	update entry in DeviceTFTPDynamic
	Test Condition:	insert into DeviceTFTPDynamic
Rule (RI-423):	Type:	Active (Delete)
	Rule Name:	Remove Individual phone templates
	Description:	When a phone with individual Phone Templates is deleted, the individual Phone Templates must be deleted.
	Test Condition:	ON DELETE in Device: if phonetemplate.name like '%Individual Template' DELETE FROM phonetemplate WHERE PhoneTemplate.pkid = device.fkphoneTemplate
Rule (RI-433):	Type:	Validation (Insert/Update)
	Rule Name:	SRTPAllowed Device Check
	Description:	SRTPAllowed only for Encrypted and TLS SIP Trunks
	Test Condition:	ON INSERT
	Error Message:	If SIP Trunk is set to STRPAllowed then Security Profile must be TLS and Encrypted
	Remedy:	Make sure the Security Profile Settings for this SIP Trunk are Encrypted and TLS

2.3.52.84 tkcountry (FI-996)

Type:	enum (Null OK)
Default Value:	NULL

Rule (RI-68):	Type:	Validation (Insert/Update)
	Rule Name:	Device Country (Network Locale) Setting
	Description:	The valid Country (also called Network Locale) settings for a device are determined by the content of the ProductCapabilities table for that device type and feature. A locale must be installed or internally supported by the device to be valid. The ProductCapabilities table lists valid Countries for each device type.
	Test Condition:	@Device.tkCountry IN (SELECT EnumValue FROM ProductCapabilities WHERE (tkProductConfig = 32) AND (tkProduct = @Device.tkProduct))
	Error Message:	The specified Network Locale is not valid for this device.
	Remedy:	Check the locale support and device type and try again. It may be necessary to install the specified locale for this device.

2.3.52.85 tkdeviceprofile (FI-832)

Type:	enum
Default Value:	0
Remarks:	Is this record a profile or real device

Rule (RI-24):	Type:	Validation (Insert/Update)
	Rule Name:	Invalid Device Profile setting
	Description:	Only a phone that supports extension mobility can be configured as a device profile
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 9 AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99) AND tkDeviceProfile != 0
	Error Message:	Device Profile can only be created for devices that support Extension Mobility feature.
	Remedy:	Check the device type and feature support and try again.
Rule (RI-25):	Type:	Active (Insert/Update)
	Rule Name:	Set Device Profile and Class
	Description:	When a device is inserted as a Device Profile, the class of the device is changed to CLASS_DEVICE_PROFILE indicate it is a profile rather than a real device.
	Test Condition:	If (Device.tkDeviceProfile != 0) Then Set Device.tkClass = 254

Rule (RI-26):	Type:	Validation (Insert/Update)
	Rule Name:	Device Name Validation
	Description:	For products that are configured as devices, name validation is based on the content of devicenameformat in specified for the product (TypeProduct). The exceptions are gateways for which the names are generated based on unit/subunit/slot position, and virtual devices used for extension mobility and configuration only (User Device Profiles, Autogenerated Profiles, Templates). Virtual devices allow ASCII names up to 50 characters including most punctuation.
	Test Condition:	ON INSERT/UPDATE IN Device
	Error Message:	The device name format is not valid or contains invalid characters.
	Remedy:	Check the name to make sure it is valid for specified product and try again.
Rule (RI-66):	Type:	Active (Insert)
	Rule Name:	Set tkClass on Insert
	Description:	The class of a device is determined by the settings in the TypeModel table in the database. A device's class is set at insert and cannot be modified. Class is determined by Model, and Model is determined by Product.
	Test Condition:	SET Device.tkClass = (SELECT tkClass FROM TypeModel WHERE Enum = (SELECT tkModel FROM TypeProduct WHERE Enum = @Device.tkProduct))
Rule (RI-289):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	License Provisioning for Device
	Description:	Provision licenses on device insert and device delete
	Test Condition:	ON INSERT/DELETE IN Device
	Error Message:	License provisioning on Device Insert/Delete
	Remedy:	Call to Licensing api failed
Rule (RI-336):	Type:	Validation (Delete)
	Rule Name:	Deletion of In use Device Profile is not allowed
	Description:	on D of Device Profile
	Test Condition:	prevent deletion of device profile

Rule (RI-338):	Type:	Validation (Insert)
	Rule Name:	One default profile per model
	Description:	Only one EM device default profile allowed per model
	Test Condition:	SELECT COUNT(*) FROM Device where tkdeviceprofile = 3 AND tkmodel = @tkmodel
	Error Message:	Only one device default profile is allowed per model
Rule (RI-339):	Type:	Validation (Delete)
	Rule Name:	Device default profile cannot be deleted
	Description:	The device default profile cannot be deleted when there is still extension mobility enabled device for that model
	Test Condition:	IF EXISTS (SELECT name FROM Device where allowhotelingflag = 't' and tkmodel = @tkmodel)
	Error Message:	There is still some devices have extension mobility enabled for this model, device default profile cannot be deleted
Rule (RI-418):	Type:	Active (Insert)
	Rule Name:	DeviceTFTPDynamic rebuildToggle
	Description:	update entry in DeviceTFTPDynamic
	Test Condition:	insert into DeviceTFTPDynamic

2.3.52.86 tkdeviceprotocol (FI-5)

Type:	enum	
Migration Source:	DeviceList.Protocol	
Rule (RI-16):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Template required
	Description:	Devices that use a phone button template must have a template specified
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 13 AND tkModel = @Defaults.tkModel AND tkDeviceProtocol IN (@Defaults.tkDeviceProtocol,99)
	Error Message:	A device that uses Phone Templates have a specific Phone Template assigned.
	Remedy:	Specify a Phone Template.

Rule (RI-17):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Template Model
	Description:	The model must match for a device default and the specified phone template for that device type.
	Test Condition:	@Defaults.tkModel = (SELECT PhoneTemplate.tkModel FROM PhoneTemplate WHERE PhoneTemplate.pkid = @Defaults.tkPhoneTemplate)
	Error Message:	The Phone Template model does not match the device model.
	Remedy:	Specifiy a Phone Template for the correct model.
Rule (RI-19):	Type:	Validation (Insert/Update)
	Rule Name:	AllowHotelingFlag - EM feature support required
	Description:	Device.AllowHotelingFlag can only be true for devices that support Extension Mobility.
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 9 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	Extension Mobilty can only turned on for devices that support Extension Mobility feature.
	Remedy:	Check device type and Extension Mobility feature support before enabling Extension Mobility.
Rule (RI-22):	Type:	Validation (Insert/Update)
	Rule Name:	AAR feature support required
	Description:	Device.fkAARNeighorhood and Device.fkCallingSearchSpace_AAR can only be specified for devices that support the AAR feature
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 21 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	AAR Group and Calling Search Space can only be used for devices that support the AAR feature.
	Remedy:	Check device type and AAR feature support before specifying an AAR Group or AAR Calling Search Space.

Rule (RI-24):	Type:	Validation (Insert/Update)
	Rule Name:	Invalid Device Profile setting
	Description:	Only a phone that supports extension mobility can be configured as a device profile
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 9 AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99) AND tkDeviceProfile != 0
	Error Message:	Device Profile can only be created for devices that support Extension Mobility feature.
	Remedy:	Check the device type and feature support and try again.
Rule (RI-37):	Type:	Validation (Insert/Update)
	Rule Name:	SoftkeyTemplate Restriction
	Description:	Softkey Templates can be assigned only to devices that support Softkeys
	Test Condition:	IF (@Device.fkSoftkeyTemplate IS NOT NULL) AND ((SELECT COUNT(*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 18 AND tkProduct = @Device.tkProduct AND tkDeviceprotocol IN (@Device.tkDeviceProtocol,99)) = 0) THEN Throw Exception
	Error Message:	Softkey Template is not valid for this type of device.
	Remedy:	Remove the Softkey Template setting and try again.
Rule (RI-41):	Type:	Validation (Insert/Update)
	Rule Name:	(obsolete) Device Login Duration Restriction
	Description:	Login Duration is only valid on devices supporting Extension Mobility
	Test Condition:	IF (@Device.LoginDuration IS NOT NULL) AND ((SELECT COUNT(*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 9 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0) THEN Throw Exception
	Error Message:	Login Duration is valid only for devices that support Extension Mobility feature.
	Remedy:	Remove the Login Duration setting from the device and try again.

Rule (RI-42):	Type:	Validation (Insert/Update)
	Rule Name:	(obsolete) Device Login Time Restriction
	Description:	Login Time is only valid on devices supporting Extension Mobility
	Test Condition:	IF (@Device.LoginTime IS NOT NULL) AND ((SELECT COUNT(*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 9 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0) THEN Throw Exception
	Error Message:	Login Time is valid only for devices that support Extension Mobility feature.
	Remedy:	Remove the Login Time setting from the device and try again.
Rule (RI-60):	Type:	Validation (Insert/Update)
	Rule Name:	Network Hold Audio Source Restriction
	Description:	Only devices that support Music On Hold feature use the Network Hold Audio Source setting
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 4 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	Network Hold Audio Source can only be used for devices that support the Music On Hold feature.
	Remedy:	Check device type and Music On Hold feature support before specifying a Network Hold Audio Source.
Rule (RI-61):	Type:	Validation (Insert/Update)
	Rule Name:	User Hold Audio Source Restriction
	Description:	Only devices that support Music On Hold feature use the User Hold Audio Source setting
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 4 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	User Hold Audio Source can only be used for devices that support the Music On Hold feature.
	Remedy:	Check device type and Music On Hold feature support before specifying a User Hold Audio Source.

Rule (RI-69):	Type:	Validation (Insert/Update)
	Rule Name:	Device Protocol Setting
	Description:	The valid Device Protocol settings for a device are determined by the content of the ProductCapabilities table for that device type and feature.
	Test Condition:	@Device.tkDeviceProtocol IN (SELECT EnumValue FROM ProductCapabilities WHERE (tkProductConfig = 7) AND (tkProduct = @Device.tkProduct))
	Error Message:	The specified Device Protocol is not valid for this device.
	Remedy:	Check the Device Protocol support and device type and try again..
Rule (RI-71):	Type:	Active (Insert)
	Rule Name:	MLPP Preemption Default Setting
	Description:	If a product supports MLPP Preemption (SUPPORTS_FEATURE_PREEMPTION), then the Default value is PREEMPTION_DEFAULT; otherwise the default value is PREEMPTION_DISABLED
	Test Condition:	IF (SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 35 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0 THEN SET Device.tkPreemption = 0 ELSE SET Device.tkPreemption = 2
Rule (RI-72):	Type:	Validation (Insert/Update)
	Rule Name:	MLPP Preemption Restriction
	Description:	Only devices that support MLPP Preemption feature may set the Preemption setting to a value other than DISABLED (0).
	Test Condition:	IF ((SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 35 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0) AND (Device.tkPreemption != 0) THEN throw exception
	Error Message:	MLPP Preemption must be disabled on devices that do not support the MLPP Preemption feature.
	Remedy:	Check the MLPP Preemption feature support and device type and try again.

Rule (RI-74):	Type:	Validation (Insert/Update)
	Rule Name:	MLPP Indication Restriction
	Description:	Only devices that support MLPP Indication feature may set the Indication setting to a value other than OFF (0).
	Test Condition:	IF ((SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 34 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0) AND (Device.tkStatus_MLPPIndicationStatus != 0) THEN throw exception
	Error Message:	MLPP Indication must be off on devices that do not support the MLPP Indication feature.
	Remedy:	Check the MLPP Indication feature support and device type and try again.
Rule (RI-75):	Type:	Validation (Insert/Update)
	Rule Name:	User Locale Restriction
	Description:	Only devices that support Localization feature use the User Locale setting
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 17 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	User Locale can only be set for devices that support the Localization feature.
	Remedy:	Check the Localization feature support and device type before specifying a User Locale.
Rule (RI-106):	Type:	Documentation (Developer notes only)
	Rule Name:	DigitalAccessBri record required
	Description:	Devices with the Digital Access BRI Device Protocol should always have a corresponding record in the DigitalAccessBri table.
	Test Condition:	Device.tkDeviceProtocol = 10
Rule (RI-107):	Type:	Documentation (Developer notes only)
	Rule Name:	DigitalAccessPri record required
	Description:	Devices with the Digital Access PRI Device Protocol should always have a corresponding record in the DigitalAccessPri table.
	Test Condition:	Device.tkDeviceProtocol = 1

Rule (RI-110):	Type:	Documentation (Developer notes only)
	Rule Name:	DigitalAccessT1 record required
	Description:	Devices with the Digital Access T1 Device Protocol should always have a corresponding record in the DigitalAccessT1 table, and port information in the DigitalAccessT1Port table.
	Test Condition:	Device.tkDeviceProtocol = 4
Rule (RI-263):	Type:	Active (Insert)
	Rule Name:	Set QSIG on Device
	Description:	When a device is inserted, the QSIG setting for the device is determined automatically as follows: For trunks other than Inter-cluster trunk, the device is treated as H.323; inter-cluster trunk is treated as Mixed-Non-QSIG. Digital Access PRI gateways using QSIG protocol are considered QSIG, H.323 Gateways are considered H.323, and all other gateways (including Digital Access PRI with a non-QSIG protocol) are Mixed-Non-QSIG. All other devices except Route Lists are considered Mixed-Non-QSIG. For Route Lists, see rule "Set QSIG on Route List"
	Test Condition:	On Insert into Device
Rule (RI-297):	Type:	Validation (Insert/Update)
	Rule Name:	SRTP and Outbound Faststart Conflict
	Description:	The SRTPAllowed and EnableOutboundFastStart settings (for H.323 devices) are mutually exclusive - only one may be true at any given time.
	Test Condition:	IF (Device.SRTPAllowed = 't') AND (H323Device.EnableOutboundFastStart = 't') THEN throw exception
	Error Message:	SRTP and Outbound FastStart cannot be enabled at the same time.
	Remedy:	Disable either SRTP or Outbound FastStart and try again.
Rule (RI-316):	Type:	Active (Insert/Update)
	Rule Name:	Prevent applying secure profile where not supported
	Description:	on I/U of Device
	Test Condition:	Check securityProfile

Rule (RI-320):	Type:	Validation (Insert/Update)
	Rule Name:	Device Restriction for SIP Dial Rules
	Description:	SIP Dial Rules for 7905/7912 may only be associated with 7905 and 7912 model phones. All other phones must use 7940/7960/TMP dial rules.
	Test Condition:	ON INSERT/UPDATE IN Device IF (DialRules.tkDialPattern = 0 and Device.tkProduct IS NOT IN (7905, 7912) OR DialRules.tkDialPattern == 1 AND Device.tkProduct IS IN (7905, 7912)) THEN throw exception
	Error Message:	Cannot assign Dial Rules of this type to the specified device (model and rule types are mismatched).
	Remedy:	Check the dial rule and device type to make sure they are compatible (e.g., 7905 dial rule for a 7905 device).
Rule (RI-338):	Type:	Validation (Insert)
	Rule Name:	One default profile per model
	Description:	Only one EM device default profile allowed per model
	Test Condition:	SELECT COUNT(*) FROM Device where tkdeviceprofile = 3 AND tkmodel = @tkmodel
	Error Message:	Only one device default profile is allowed per model
Rule (RI-339):	Type:	Validation (Delete)
	Rule Name:	Device default profile cannot be deleted
	Description:	The device default profile cannot be deleted when there is still extension mobility enabled device for that model
	Test Condition:	IF EXISTS (SELECT name FROM Device where allowhotelingflag = 't' and tkmodel = @tkmodel)
	Error Message:	There is still some devices have extension mobility enabled for this model, device default profile cannot be deleted
Rule (RI-340):	Type:	Validation (Insert/Update)
	Rule Name:	Correct security profile for device
	Description:	on I/U of device
	Test Condition:	prevent bad value combinations

Rule (RI-343):	Type:	Validation (Insert/Update)
	Rule Name:	EM Logout Profile Model and Protocol Restriction
	Description:	The model and protocol of a phone and a User Device Profile selected as the logout profile must both match
	Test Condition:	ON INSERT/UPDATE IN Device IF (Device.tkModel <> Profile.tkModel) OR (Device. tkDeviceProtocol <> Profile.tkDeviceProtocol) THEN throw exception
	Error Message:	Logout Profile is not the same model and protocol as the device
	Remedy:	Select a logout profile that is the same model and protocol as the phone and try again
Rule (RI-379):	Type:	Validation (Insert/Update)
	Rule Name:	Device DND Option feature restriction
	Description:	DND Option can only be set to non-Zero on devices that support the DND feature (in ProductSupportsFeature table). For those devices that support the feature, only the Ringer Off (0) is valid, unless a parameter is present in the PSF record. If a parameter value of 1 exists in PSF table, only Call Reject is valid. If the param value is (2), all options including Use Common Profile (2) are valid. Dual mode and remote destination profile only support the Call Reject option.
	Test Condition:	ON INSERT INTO Device: IF((tkproduct=112 or isdualmode = 't') and (tkDNDOption <>1)) throw exception; ELSE IF (new_tkDNDOption <> 0) THEN SELECT parameter INTO restriction FROM ProductSupportsFeature WHERE (tkSupportsFeature = SUPPORTS_FEATURE_DND) AND (tkProduct = new_tkProduct) AND (tkDeviceProtocol IN (new_tkDeviceProtocol,99); IF (rows returned = 0) THEN throw exception ELSE IF (NVL(restriction, '') <> '') THEN IF (new_tkDNDOption <> restriction) THEN throw exception END IF; END IF; END IF; END IF
	Error Message:	This device does not support the selected DND Option
	Remedy:	Do not set a DND Option, or check for restrictions on which options are valid for this device.
Rule (RI-381):	Type:	Active (Insert)
	Rule Name:	DualMode device type (in PSF) is marked isDualMode = True
	Description:	If a device type is marked as Dual Mode in the ProductSupportsFeature table, then the Device and RemoteDestination records for the device are automatically updated to set IsDualMode field to true.
	Test Condition:	ON INSERT INTO Device

Rule (RI-395):	Type:	Validation (Insert/Update)
	Rule Name:	Device Outbound Call Rollover Feature Restriction
	Description:	The Device.tkOutboundCallRollover setting can only be non-default (other than None) for devices that support the Automatic Outbound Call Rollover feature.
	Test Condition:	ON INSERT/UPDATE IN Device: IF (new_tkOutboundCallRollover <> 0) THEN IF (SELECT COUNT(*) FROM ProductSupportsFeature WHERE (tkSupportsFeature = SUPPORTS_FEATURE_AUTOMATIC_OUTBOUND_CALL_ROLLOVER) AND (tkProduct = new_tkProduct) AND (tkDeviceProtocol IN (new_tkDeviceProtocol,99) = 0 THEN throw exception; END IF; END IF;
	Error Message:	This device does not supports Automatic Outbound Call Rollover.
	Remedy:	Set the OutboundCallRollover option to No Rollover for this device.
Rule (RI-402):	Type:	Validation (Insert/Update)
	Rule Name:	Security Profile required if Standard Security Profile exists for device type
	Description:	If a Standard Security Profile exist for a given device type or class, then devices of that type or class must use a Security Profile.
	Test Condition:	ON INSERT/UPDATE INTO Device: IF (new_fkSecurityProfile IS NULL) THEN SELECT COUNT (*) INTO nRows FROM SecurityProfile where IsStandard = 't' AND tkModel = new_tkModel and tkDeviceProtocol = new_tkDeviceProtocol); IF nRows > 0 THEN throw exception;
	Error Message:	A security profile is required for this model and protocol.
	Remedy:	Specify a Security Profile that matches the device type.
Rule (RI-405):	Type:	Active (Update)
	Rule Name:	Setting MTPRequired='F' or fkMRL=NULL sets H323Device.EnableOutboundFaststart='F'
	Description:	When EnableOutboundFastStart is true for a H.323 device, the MTPRequired field must also be true, and a Media Resource Group List must be selected. If the MTPRequired is subsequently changed to False, or the Media Resource Group List is removed from the device, the EnableOutboundFaststart setting is automatically turned off.
	Test Condition:	ON UPDATE in Device: If (new_tkDeviceProtocol = 2) AND ((new_MTPRequired = 'F' AND old_MTPRequired = 'T') OR (old_fkMediaResourceList IS NOT NULL AND new_fkMediaResourceList IS NULL)) THEN UPDATE H323Device SET EnableOutboundFaststart = 'F' WHERE fkDevice = new_pkid AND EnableOutboundFaststart = 'T'; END IF;

Rule (RI-415):	Type:	Validation (Insert/Update)
	Rule Name:	Join Across Lines Restriction
	Description:	Only devices that support Join Across lines can have a value other than zero for tkStatus_joinacrosslines
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 78 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	Join Across Lines can only be set for devices that have the Join Across Lines Feature
	Remedy:	Check the Join Across Lines feature support and device type before specifying a Join Across Lines value.
Rule (RI-416):	Type:	Validation (Insert/Update)
	Rule Name:	Single Button Barge Restriction
	Description:	Only devices that support Join Across lines can have a value other than zero for tkBarge
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 78 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	Single Button Barge can only be set for devices that have the Single Button Barge Feature
	Remedy:	Check the Single Button Barge feature support and device type before specifying a Single Button Barge value.
Rule (RI-431):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Personalization Feature Support restriction
	Description:	Only devices that support the Phone Personalization can have a non-default value for Device. tkPhonePersonalization.
	Test Condition:	ON INSERT/UPDATE IN Device: IF (new_tkPhonePersonalization <> 3) AND (SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 80 AND tkProduct = new_tkProduct AND tkDeviceProtocol IN (99, new_tkDeviceProtocol) = 0 THEN throw exception; END IF
	Error Message:	Phone Personalization feature is not supported on the specified device type.
	Remedy:	Do not change the setting (tkPhonePersonalization) from Default (value = 3)

Rule (RI-433):	Type:	Validation (Insert/Update)
	Rule Name:	SRTPAllowed Device Check
	Description:	SRTPAllowed only for Encrypted and TLS SIP Trunks
	Test Condition:	ON INSERT
	Error Message:	If SIP Trunk is set to STRPAllowed then Security Profile must be TLS and Encrypted
	Remedy:	Make sure the Security Profile Settings for this SIP Trunk are Encrypted and TLS
Rule (RI-471):	Type:	Validation (Insert/Update)
	Rule Name:	Secure Tone support required for Protected device
	Description:	IsProtected setting can only be true for devices supporting secure tone feature (tkSupportsFeature = 81)
	Test Condition:	ON INSERT/UPDATE IN Device:
	Error Message:	This Device Model does not support secure tone (isprotected setting)
	Remedy:	Set IsProtected to false and try again
Rule (RI-480):	Type:	Validation (Insert/Update)
	Rule Name:	MobileSmartClientProfile restriction
	Description:	Device.fkMobileSmartClientProfile can only be used when device protocol is MobileSmartClient, or the device is a Dual-Mode phone that supports Smart Client (Dual Mode feature support with Parameter = 1
	Test Condition:	ON INSERT/UPDATE IN Remotedestination: IF new_fkMobileSmartClientProfile IS NOT NULL and (new_tkdeviceprotocol != DEVICE_PROTOCOL_MOBILE_SMART_CLIENT) THEN SELECT param INTO supportsSmartClient FROM ProductSupportsFeature WHERE tksupportsfeature = 76 AND tkProduct = new_tkproduct AND tkdeviceprotocol IN (new_tkdeviceprotocol, 99); IF (NOT (supportsSmartClient = '1') THEN throw exception; END IF; END IF;
	Error Message:	MobileSmartClientProfile Cannot be used for this device
	Remedy:	Use a different device

Rule (RI-734):	Type:	Validation (Insert/Update)
	Rule Name:	Device Table Feature Control Policy Restriction
	Description:	Only devices that support Feature Control Policy can specify fkFeatureControlPolicy
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 103 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	Feature Control Policy can be set for devices that supports the Feature Control Policy
	Remedy:	Check Feature Control Policy feature support and device type before specifying a value for fkFeatureControlPolicy.

2.3.52.87 tkdndoption (FI-3287)

Type:	enum
Default Value:	0
Remarks:	Type of call handling while DND is enabled (0=Ringer Off, 1=Call Reject); depends on product support; overrides CommonPhoneConfig setting

Rule (RI-379):	Type:	Validation (Insert/Update)
	Rule Name:	Device DND Option feature restriction
	Description:	DND Option can only be set to non-Zero on devices that support the DND feature (in ProductSupportsFeature table). For those devices that support the feature, only the Ringer Off (0) is valid, unless a parameter is present in the PSF record. If a parameter value of 1 exists in PSF table, only Call Reject is valid. If the param value is (2), all options including Use Common Profile (2) are valid. Dual mode and remote destination profile only support the Call Reject option.
	Test Condition:	ON INSERT INTO Device: IF((tkproduct=112 or isdualmode = 't') and (tkDNDOption <>1)) throw exception; ELSE IF (new_tkDNDOption <> 0) THEN SELECT parameter INTO restriction FROM ProductSupportsFeature WHERE (tkSupportsFeature = SUPPORTS_FEATURE_DND) AND (tkProduct = new_tkProduct) AND (tkDeviceProtocol IN (new_tkDeviceProtocol,99); IF (rows returned = 0) THEN throw exception ELSE IF (NVL(restriction, '') <> '') THEN IF (new_tkDNDOption <> restriction) THEN throw exception END IF; END IF; END IF; END IF
	Error Message:	This device does not support the selected DND Option
	Remedy:	Do not set a DND Option, or check for restrictions on which options are valid for this device.

2.3.52.88 tkdtmfsignaling (FI-2399)

Type:	enum
Default Value:	1

Rule (RI-331):	Type:	Validation (Insert/Update)
	Rule Name:	device.tkdtmfsignaling validation
	Description:	on insert or change to DTMF setting for SIP trunk make sure that out-of-band is not set since it is invalid value
	Test Condition:	update device

2.3.52.89 tkkeyauthority (FI-3013)

Type:	enum
Default Value:	0
Remarks:	TypeKeyAuthority

2.3.52.90 tkmodel (FI-4)

Type:	enum (Not Modifiable)	
Migration Source:	DeviceList.Type	
Remarks:	Redundant. Use tkProduct to look up tkModel in TypeProduct table.	
Rule (RI-16):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Template required
	Description:	Devices that use a phone button template must have a template specified
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 13 AND tkModel = @Defaults.tkModel AND tkDeviceProtocol IN (@Defaults.tkDeviceProtocol,99)
	Error Message:	A device that uses Phone Templates have a specific Phone Template assigned.
	Remedy:	Specify a Phone Template.
Rule (RI-17):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Template Model
	Description:	The model must match for a device default and the specified phone template for that device type.
	Test Condition:	@Defaults.tkModel = (SELECT PhoneTemplate.tkModel FROM PhoneTemplate WHERE PhoneTemplate.pkid = @Defaults.tkPhoneTemplate)
	Error Message:	The Phone Template model does not match the device model.
	Remedy:	Specifiy a Phone Template for the correct model.

Rule (RI-26):	Type:	Validation (Insert/Update)
	Rule Name:	Device Name Validation
	Description:	For products that are configured as devices, name validation is based on the content of devicenameformat in specified for the product (TypeProduct). The exceptions are gateways for which the names are generated based on unit/subunit/slot position, and virtual devices used for extension mobility and configuration only (User Device Profiles, Autogenerated Profiles, Templates). Virtual devices allow ASCII names up to 50 characters including most punctuation.
	Test Condition:	ON INSERT/UPDATE IN Device
	Error Message:	The device name format is not valid or contains invalid characters.
	Remedy:	Check the name to make sure it is valid for specified product and try again.
Rule (RI-64):	Type:	Validation (Insert/Update)
	Rule Name:	Route List Enabled Restriction
	Description:	Only Route List device may set the RouteListEnabled setting to true.
	Test Condition:	IF (@Device.RouteListEnabled = TRUE) AND (@Device.tkModel != 90) THEN throw exception
	Error Message:	Route List Enabled can be true only for Route List devices.
	Remedy:	Check device type and try again.
Rule (RI-67):	Type:	Active (Insert) This field is modified by this rule.
	Rule Name:	Set tkModel on Insert
	Description:	The model of a device is determined by the settings in the TypeProduct table in the database. A device's model is set at insert and cannot be modified.
	Test Condition:	SET Device.tkModel = (SELECT tkModel FROM TypeProduct WHERE Enum = @Device. tkProduct)
Rule (RI-67):	Type:	Active (Insert)
	Rule Name:	Set tkModel on Insert
	Description:	The model of a device is determined by the settings in the TypeProduct table in the database. A device's model is set at insert and cannot be modified.
	Test Condition:	SET Device.tkModel = (SELECT tkModel FROM TypeProduct WHERE Enum = @Device. tkProduct)

Rule (RI-202):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Generate Default Device Profile for Model
	Description:	Create a Default Device Profile for a device type if one does not already exist, and extension mobility is enabled on a device of that type (e.g., create the Default Device Profile for a Cisco 7960 if it does not exist and EM is enabled on a 7960).
	Test Condition:	IF (NEW.AllowHotelingFlag is true) and ((select count(*) from device where tkmodel = NEW. tkmodel and tkdeviceprofile = 3) = 0)
	Error Message:	No default model profile, no mismatch login performed
Rule (RI-223):	Type:	Active (Insert)
	Rule Name:	Add a VGC Gateway to MGCP on Device update
	Description:	On Insert only
	Test Condition:	?
Rule (RI-263):	Type:	Active (Insert)
	Rule Name:	Set QSIG on Device
	Description:	When a device is inserted, the QSIG setting for the device is determined automatically as follows: For trunks other than Inter-cluster trunk, the device is treated as H.323; inter-cluster trunk is treated as Mixed-Non-QSIG. Digital Access PRI gateways using QSIG protocol are considered QSIG, H.323 Gateways are considered H.323, and all other gateways (including Digital Access PRI with a non-QSIG protocol) are Mixed-Non-QSIG. All other devices except Route Lists are considered Mixed-Non-QSIG. For Route Lists, see rule "Set QSIG on Route List"
	Test Condition:	On Insert into Device
Rule (RI-316):	Type:	Active (Insert/Update)
	Rule Name:	Prevent applying secure profile where not supported
	Description:	on I/U of Device
	Test Condition:	Check securityProfile

Rule (RI-320):	Type:	Validation (Insert/Update)
	Rule Name:	Device Restriction for SIP Dial Rules
	Description:	SIP Dial Rules for 7905/7912 may only be associated with 7905 and 7912 model phones. All other phones must use 7940/7960/TMP dial rules.
	Test Condition:	ON INSERT/UPDATE IN Device IF (DialRules.tkDialPattern = 0 and Device.tkProduct IS NOT IN (7905, 7912) OR DialRules.tkDialPattern == 1 AND Device.tkProduct IS IN (7905, 7912)) THEN throw exception
	Error Message:	Cannot assign Dial Rules of this type to the specified device (model and rule types are mismatched).
	Remedy:	Check the dial rule and device type to make sure they are compatible (e.g., 7905 dial rule for a 7905 device).
Rule (RI-338):	Type:	Validation (Insert)
	Rule Name:	One default profile per model
	Description:	Only one EM device default profile allowed per model
	Test Condition:	SELECT COUNT(*) FROM Device where tkdeviceprofile = 3 AND tkmodel = @tkmodel
	Error Message:	Only one device default profile is allowed per model
Rule (RI-339):	Type:	Validation (Delete)
	Rule Name:	Device default profile cannot be deleted
	Description:	The device default profile cannot be deleted when there is still extension mobility enabled device for that model
	Test Condition:	IF EXISTS (SELECT name FROM Device where allowhotelingflag = 't' and tkmodel = @tkmodel)
	Error Message:	There is still some devices have extension mobility enabled for this model, device default profile cannot be deleted
Rule (RI-340):	Type:	Validation (Insert/Update)
	Rule Name:	Correct security profile for device
	Description:	on I/U of device
	Test Condition:	prevent bad value combinations

Rule (RI-343):	Type:	Validation (Insert/Update)
	Rule Name:	EM Logout Profile Model and Protocol Restriction
	Description:	The model and protocol of a phone and a User Device Profile selected as the logout profile must both match
	Test Condition:	ON INSERT/UPDATE IN Device IF (Device.tkModel <> Profile.tkModel) OR (Device. tkDeviceProtocol <> Profile.tkDeviceProtocol) THEN throw exception
	Error Message:	Logout Profile is not the same model and protocol as the device
	Remedy:	Select a logout profile that is the same model and protocol as the phone and try again
Rule (RI-402):	Type:	Validation (Insert/Update)
	Rule Name:	Security Profile required if Standard Security Profile exists for device type
	Description:	If a Standard Security Profile exist for a given device type or class, then devices of that type or class must use a Security Profile.
	Test Condition:	ON INSERT/UPDATE INTO Device: IF (new_fkSecurityProfile IS NULL) THEN SELECT COUNT (*) INTO nRows FROM SecurityProfile where IsStandard = 't' AND tkModel = new_tkModel and tkDeviceProtocol = new_tkDeviceProtocol); IF nRows > 0 THEN throw exception;
	Error Message:	A security profile is required for this model and protocol.
	Remedy:	Specify a Security Profile that matches the device type.
Rule (RI-736):	Type:	Active (Insert)
	Rule Name:	Set default Security Profile for Virtual Port
	Description:	On Insert of Analog Virtual Port, set a Default Security Profile
	Test Condition:	On Insert to Device

2.3.52.91 tknetworklocation (FI-2164)

Type:	enum
Default Value:	2
Remarks:	Stores OffNet/OnNet info

2.3.52.92 tkoutboundcallrollover (FI-3422)

Type:	enum
Default Value:	0
Remarks:	Determines rollover behavior of phones when MaxNumCalls is exceeded on a line and a new call is started

Rule (RI-395):	Type:	Validation (Insert/Update)
	Rule Name:	Device Outbound Call Rollover Feature Restriction
	Description:	The Device.tkOutboundCallRollover setting can only be non-default (other than None) for devices that support the Automatic Outbound Call Rollover feature.
	Test Condition:	ON INSERT/UPDATE IN Device: IF (new_tkOutboundCallRollover <> 0) THEN IF (SELECT COUNT(*) FROM ProductSupportsFeature WHERE (tkSupportsFeature = SUPPORTS_FEATURE_AUTOMATIC_OUTBOUND_CALL_ROLLOVER) AND (tkProduct = new_tkProduct) AND (tkDeviceProtocol IN (new_tkDeviceProtocol,99) = 0 THEN throw exception; END IF; END IF;
	Error Message:	This device does not supports Automatic Outbound Call Rollover.
	Remedy:	Set the OutboundCallRollover option to No Rollover for this device.

2.3.52.93 tkpacketcapturemode (FI-1910)

Type:	enum
Default Value:	0

2.3.52.94 tkphonepersonalization (FI-3456)

Type:	enum	
Default Value:	3	
Rule (RI-431):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Personalization Feature Support restriction
	Description:	Only devices that support the Phone Personalization can have a non-default value for Device. tkPhonePersonalization.
	Test Condition:	ON INSERT/UPDATE IN Device: IF (new_tkPhonePersonalization <> 3) AND (SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 80 AND tkProduct = new_tkProduct AND tkDeviceProtocol IN (99, new_tkDeviceProtocol) = 0 THEN throw exception; END IF
	Error Message:	Phone Personalization feature is not supported on the specified device type.
	Remedy:	Do not change the setting (tkPhonePersonalization) from Default (value = 3)

2.3.52.95 tkphoneservicedisplay (FI-3626)

Type:	enum
Default Value:	3

Remarks:	Identifies which services are displayed for a button (services, directories, messages): Internal, External, Both, or Default (use CommonPhoneConfig value)

2.3.52.96 tkpreemption (FI-1303)

Type:	enum
Default Value:	2

Rule (RI-71):

Type:	Active (Insert)
Rule Name:	MLPP Preemption Default Setting
Description:	If a product supports MLPP Preemption (SUPPORTS_FEATURE_PREEMPTION), then the Default value is PREEMPTION_DEFAULT; otherwise the default value is PREEMPTION_DISABLED
Test Condition:	IF (SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 35 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0 THEN SET Device.tkPreemption = 0 ELSE SET Device.tkPreemption = 2

Rule (RI-71):

Type:	Active (Insert) This field is modified by this rule.
Rule Name:	MLPP Preemption Default Setting
Description:	If a product supports MLPP Preemption (SUPPORTS_FEATURE_PREEMPTION), then the Default value is PREEMPTION_DEFAULT; otherwise the default value is PREEMPTION_DISABLED
Test Condition:	IF (SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 35 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0 THEN SET Device.tkPreemption = 0 ELSE SET Device.tkPreemption = 2

Rule (RI-72):

Type:	Validation (Insert/Update)
Rule Name:	MLPP Preemption Restriction
Description:	Only devices that support MLPP Preemption feature may set the Preemption setting to a value other than DISABLED (0).
Test Condition:	IF ((SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 35 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0) AND (Device.tkPreemption != 0) THEN throw exception
Error Message:	MLPP Preemption must be disabled on devices that do not support the MLPP Preemption feature.
Remedy:	Check the MLPP Preemption feature support and device type and try again.

2.3.52.97 tkproduct (FI-662)

Type:	enum	
Rule (RI-19):	Type:	Validation (Insert/Update)
	Rule Name:	AllowHotelingFlag - EM feature support required
	Description:	Device.AllowHotelingFlag can only be true for devices that support Extension Mobility.
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 9 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	Extension Mobilty can only turned on for devices that support Extension Mobility feature.
	Remedy:	Check device type and Extension Mobility feature support before enabling Extension Mobility.
Rule (RI-22):	Type:	Validation (Insert/Update)
	Rule Name:	AAR feature support required
	Description:	Device.fkAARNeighorhood and Device.fkCallingSearchSpace_AAR can only be specified for devices that support the AAR feature
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 21 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	AAR Group and Calling Search Space can only be used for devices that support the AAR feature.
	Remedy:	Check device type and AAR feature support before specifying an AAR Group or AAR Calling Search Space.
Rule (RI-24):	Type:	Validation (Insert/Update)
	Rule Name:	Invalid Device Profile setting
	Description:	Only a phone that supports extension mobility can be configured as a device profile
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 9 AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99) AND tkDeviceProfile != 0
	Error Message:	Device Profile can only be created for devices that support Extension Mobility feature.
	Remedy:	Check the device type and feature support and try again.

Rule (RI-26):	Type:	Validation (Insert/Update)
	Rule Name:	Device Name Validation
	Description:	For products that are configured as devices, name validation is based on the content of devicenameformat in specified for the product (TypeProduct). The exceptions are gateways for which the names are generated based on unit/subunit/slot position, and virtual devices used for extension mobility and configuration only (User Device Profiles, Autogenerated Profiles, Templates). Virtual devices allow ASCII names up to 50 characters including most punctuation.
	Test Condition:	ON INSERT/UPDATE IN Device
	Error Message:	The device name format is not valid or contains invalid characters.
	Remedy:	Check the name to make sure it is valid for specified product and try again.
Rule (RI-37):	Type:	Validation (Insert/Update)
	Rule Name:	SoftkeyTemplate Restriction
	Description:	Softkey Templates can be assigned only to devices that support Softkeys
	Test Condition:	IF (@Device.fkSoftkeyTemplate IS NOT NULL) AND ((SELECT COUNT(*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 18 AND tkProduct = @Device.tkProduct AND tkDeviceprotocol IN (@Device.tkDeviceProtocol,99)) = 0) THEN Throw Exception
	Error Message:	Softkey Template is not valid for this type of device.
	Remedy:	Remove the Softkey Template setting and try again.
Rule (RI-41):	Type:	Validation (Insert/Update)
	Rule Name:	(obsolete) Device Login Duration Restriction
	Description:	Login Duration is only valid on devices supporting Extension Mobility
	Test Condition:	IF (@Device.LoginDuration IS NOT NULL) AND ((SELECT COUNT(*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 9 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0) THEN Throw Exception
	Error Message:	Login Duration is valid only for devices that support Extension Mobility feature.
	Remedy:	Remove the Login Duration setting from the device and try again.

Rule (RI-42):	Type:	Validation (Insert/Update)
	Rule Name:	(obsolete) Device Login Time Restriction
	Description:	Login Time is only valid on devices supporting Extension Mobility
	Test Condition:	IF (@Device.LoginTime IS NOT NULL) AND ((SELECT COUNT(*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 9 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0) THEN Throw Exception
	Error Message:	Login Time is valid only for devices that support Extension Mobility feature.
	Remedy:	Remove the Login Time setting from the device and try again.
Rule (RI-60):	Type:	Validation (Insert/Update)
	Rule Name:	Network Hold Audio Source Restriction
	Description:	Only devices that support Music On Hold feature use the Network Hold Audio Source setting
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 4 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	Network Hold Audio Source can only be used for devices that support the Music On Hold feature.
	Remedy:	Check device type and Music On Hold feature support before specifying a Network Hold Audio Source.
Rule (RI-61):	Type:	Validation (Insert/Update)
	Rule Name:	User Hold Audio Source Restriction
	Description:	Only devices that support Music On Hold feature use the User Hold Audio Source setting
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 4 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	User Hold Audio Source can only be used for devices that support the Music On Hold feature.
	Remedy:	Check device type and Music On Hold feature support before specifying a User Hold Audio Source.

Rule (RI-66):	Type:	Active (Insert)
	Rule Name:	Set tkClass on Insert
	Description:	The class of a device is determined by the settings in the TypeModel table in the database. A device's class is set at insert and cannot be modified. Class is determined by Model, and Model is determined by Product.
	Test Condition:	SET Device.tkClass = (SELECT tkClass FROM TypeModel WHERE Enum = (SELECT tkModel FROM TypeProduct WHERE Enum = @Device.tkProduct))
Rule (RI-67):	Type:	Active (Insert)
	Rule Name:	Set tkModel on Insert
	Description:	The model of a device is determined by the settings in the TypeProduct table in the database. A device's model is set at insert and cannot be modified.
	Test Condition:	SET Device.tkModel = (SELECT tkModel FROM TypeProduct WHERE Enum = @Device. tkProduct)
Rule (RI-69):	Type:	Validation (Insert/Update)
	Rule Name:	Device Protocol Setting
	Description:	The valid Device Protocol settings for a device are determined by the content of the ProductCapabilities table for that device type and feature.
	Test Condition:	@Device.tkDeviceProtocol IN (SELECT EnumValue FROM ProductCapabilities WHERE (tkProductConfig = 7) AND (tkProduct = @Device.tkProduct))
	Error Message:	The specified Device Protocol is not valid for this device.
	Remedy:	Check the Device Protocol support and device type and try again..
Rule (RI-70):	Type:	Validation (Insert/Update)
	Rule Name:	Protocol Side Setting
	Description:	The valid Protocol Side settings for a device are determined by the content of the ProductCapabilities table for that device type and feature. Most devices are only User side. Only gateways and trunks are configured as Network Side when necessary.
	Test Condition:	@Device.tkProtocolSide IN (SELECT EnumValue FROM ProductCapabilities WHERE (tkProductConfig = 18) AND (tkProduct = @Device.tkProduct))
	Error Message:	The specified Protcol Side is not valid for this device.
	Remedy:	Check the Protocol Side support and device type and try again.

Rule (RI-71):	Type:	Active (Insert)
	Rule Name:	MLPP Preemption Default Setting
	Description:	If a product supports MLPP Preemption (SUPPORTS_FEATURE_PREEMPTION), then the Default value is PREEMPTION_DEFAULT; otherwise the default value is PREEMPTION_DISABLED
	Test Condition:	IF (SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 35 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0 THEN SET Device.tkPreemption = 0 ELSE SET Device.tkPreemption = 2
Rule (RI-72):	Type:	Validation (Insert/Update)
	Rule Name:	MLPP Preemption Restriction
	Description:	Only devices that support MLPP Preemption feature may set the Preemption setting to a value other than DISABLED (0).
	Test Condition:	IF ((SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 35 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0) AND (Device.tkPreemption != 0) THEN throw exception
	Error Message:	MLPP Preemption must be disabled on devices that do not support the MLPP Preemption feature.
	Remedy:	Check the MLPP Preemption feature support and device type and try again.
Rule (RI-74):	Type:	Validation (Insert/Update)
	Rule Name:	MLPP Indication Restriction
	Description:	Only devices that support MLPP Indication feature may set the Indication setting to a value other than OFF (0).
	Test Condition:	IF ((SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 34 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0) AND (Device.tkStatus_MLPPIndicationStatus != 0) THEN throw exception
	Error Message:	MLPP Indication must be off on devices that do not support the MLPP Indication feature.
	Remedy:	Check the MLPP Indication feature support and device type and try again.

Rule (RI-75):	Type:	Validation (Insert/Update)
	Rule Name:	User Locale Restriction
	Description:	Only devices that support Localization feature use the User Locale setting
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 17 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	User Locale can only be set for devices that support the Localization feature.
	Remedy:	Check the Localization feature support and device type before specifying a User Locale.
Rule (RI-199):	Type:	Validation (Insert/Update)
	Rule Name:	Device Security Feature validation
	Description:	Valid Device Security Modes for each device type are determined by the ProductSupportsFeature records for the security features. Devices that do not support any security feature must be set to non-secure mode. Devices that support other security modes can be set to Default, Not-Secure, or one of the supported security modes (Authentication or Encryption as determined in ProductSupportsFeature).
	Test Condition:	On Insert/Update of tksecuritymode on Device table.
	Error Message:	The security feature is not supported for this device
	Remedy:	Either unselect the desired feature or choose another device.
Rule (RI-263):	Type:	Active (Insert)
	Rule Name:	Set QSIG on Device
	Description:	When a device is inserted, the QSIG setting for the device is determined automatically as follows: For trunks other than Inter-cluster trunk, the device is treated as H.323; inter-cluster trunk is treated as Mixed-Non-QSIG. Digital Access PRI gateways using QSIG protocol are considered QSIG, H.323 Gateways are considered H.323, and all other gateways (including Digital Access PRI with a non-QSIG protocol) are Mixed-Non-QSIG. All other devices except Route Lists are considered Mixed-Non-QSIG. For Route Lists, see rule "Set QSIG on Route List"
	Test Condition:	On Insert into Device

Rule (RI-289):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	License Provisioning for Device
	Description:	Provision licenses on device insert and device delete
	Test Condition:	ON INSERT/DELETE IN Device
	Error Message:	License provisioning on Device Insert/Delete
	Remedy:	Call to Licensing api failed
Rule (RI-379):	Type:	Validation (Insert/Update)
	Rule Name:	Device DND Option feature restriction
	Description:	DND Option can only be set to non-Zero on devices that support the DND feature (in ProductSupportsFeature table). For those devices that support the feature, only the Ringer Off (0) is valid, unless a parameter is present in the PSF record. If a parameter value of 1 exists in PSF table, only Call Reject is valid. If the param value is (2), all options including Use Common Profile (2) are valid. Dual mode and remote destination profile only support the Call Reject option.
	Test Condition:	ON INSERT INTO Device: IF((tkproduct=112 or isdualmode = 't') and (tkDNDOption <>1)) throw exception; ELSE IF (new_tkDNDOption <> 0) THEN SELECT parameter INTO restriction FROM ProductSupportsFeature WHERE (tkSupportsFeature = SUPPORTS_FEATURE_DND) AND (tkProduct = new_tkProduct) AND (tkDeviceProtocol IN (new_tkDeviceProtocol,99); IF (rows returned = 0) THEN throw exception ELSE IF (NVL(restriction, '') <> '') THEN IF (new_tkDNDOption <> restriction) THEN throw exception END IF; END IF; END IF; END IF
	Error Message:	This device does not support the selected DND Option
	Remedy:	Do not set a DND Option, or check for restrictions on which options are valid for this device.
Rule (RI-380):	Type:	Validation (Insert/Update/Delete)
	Rule Name:	One server should have exactly one software device (CFB, MTP, MOH, ANN) each type
	Description:	One IP Media Streaming software device each type is install by default on all servers cannot be deleted
	Test Condition:	ON DELETE or Insert Device: IF (old_tkProduct IN (28, 30, 51, 89)) THEN throw exception;
	Error Message:	Cannot insert or delete the IP Media Streaming software devices installed on a server by default.
	Remedy:	Disable the service or remove the device from Media Resource Groups where it appears.

Rule (RI-381):	Type:	Active (Insert)
	Rule Name:	DualMode device type (in PSF) is marked isDualMode = True
	Description:	If a device type is marked as Dual Mode in the ProductSupportsFeature table, then the Device and RemoteDestination records for the device are automatically updated to set IsDualMode field to true.
	Test Condition:	ON INSERT INTO Device
Rule (RI-395):	Type:	Validation (Insert/Update)
	Rule Name:	Device Outbound Call Rollover Feature Restriction
	Description:	The Device.tkOutboundCallRollover setting can only be non-default (other than None) for devices that support the Automatic Outbound Call Rollover feature.
	Test Condition:	ON INSERT/UPDATE IN Device: IF (new_tkOutboundCallRollover <> 0) THEN IF (SELECT COUNT(*) FROM ProductSupportsFeature WHERE (tkSupportsFeature = SUPPORTS_FEATURE_AUTOMATIC_OUTBOUND_CALL_ROLLOVER) AND (tkProduct = new_tkProduct) AND (tkDeviceProtocol IN (new_tkDeviceProtocol,99) = 0 THEN throw exception; END IF; END IF;
	Error Message:	This device does not supports Automatic Outbound Call Rollover.
	Remedy:	Set the OutboundCallRollover option to No Rollover for this device.
Rule (RI-415):	Type:	Validation (Insert/Update)
	Rule Name:	Join Across Lines Restriction
	Description:	Only devices that support Join Across lines can have a value other than zero for tkStatus_joinacrosslines
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 78 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	Join Across Lines can only be set for devices that have the Join Across Lines Feature
	Remedy:	Check the Join Across Lines feature support and device type before specifying a Join Across Lines value.

Rule (RI-416):	Type:	Validation (Insert/Update)
	Rule Name:	Single Button Barge Restriction
	Description:	Only devices that support Join Across lines can have a value other than zero for tkBarge
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 78 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	Single Button Barge can only be set for devices that have the Single Button Barge Feature
	Remedy:	Check the Single Button Barge feature support and device type before specifying a Single Button Barge value.
Rule (RI-431):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Personalization Feature Support restriction
	Description:	Only devices that support the Phone Personalization can have a non-default value for Device. tkPhonePersonalization.
	Test Condition:	ON INSERT/UPDATE IN Device: IF (new_tkPhonePersonalization <> 3) AND (SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 80 AND tkProduct = new_tkProduct AND tkDeviceProtocol IN (99, new_tkDeviceProtocol) = 0 THEN throw exception; END IF
	Error Message:	Phone Personalization feature is not supported on the specified device type.
	Remedy:	Do not change the setting (tkPhonePersonalization) from Default (value = 3)
Rule (RI-447):	Type:	Validation (Insert/Update)
	Rule Name:	Device.fkCallingSearchSpace_CdPNTransform is allowed for all gateways other than FXS ports
	Description:	Device.fkCallingSearchSpace_CdPNTransform is allowed for all gateways other than FXS ports
	Test Condition:	ON INSERT/UPDATE
	Error Message:	Device.fkCallingSearchSpace_CdPNTransform is allowed for all gateways other than FXS ports
Rule (RI-471):	Type:	Validation (Insert/Update)
	Rule Name:	Secure Tone support required for Protected device
	Description:	IsProtected setting can only be true for devices supporting secure tone feature (tkSupportsFeature = 81)
	Test Condition:	ON INSERT/UPDATE IN Device:
	Error Message:	This Device Model does not support secure tone (isprotected setting)
	Remedy:	Set IsProtected to false and try again

Rule (RI-480):	Type:	Validation (Insert/Update)
	Rule Name:	MobileSmartClientProfile restriction
	Description:	Device.fkMobileSmartClientProfile can only be used when device protocol is MobileSmartClient, or the device is a Dual-Mode phone that supports Smart Client (Dual Mode feature support with Parameter = 1
	Test Condition:	ON INSERT/UPDATE IN Remotedestination: IF new_fkMobileSmartClientProfile IS NOT NULL and (new_tkdeviceprotocol != DEVICE_PROTOCOL_MOBILE_SMART_CLIENT) THEN SELECT param INTO supportsSmartClient FROM ProductSupportsFeature WHERE tksupportsfeature = 76 AND tkProduct = new_tkproduct AND tkdeviceprotocol IN (new_tkdeviceprotocol, 99); IF (NOT (supportsSmartClient = '1') THEN throw exception; END IF; END IF;
	Error Message:	MobileSmartClientProfile Cannot be used for this device
	Remedy:	Use a different device
Rule (RI-734):	Type:	Validation (Insert/Update)
	Rule Name:	Device Table Feature Control Policy Restriction
	Description:	Only devices that support Feature Control Policy can specify fkFeatureControlPolicy
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 103 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	Feature Control Policy can be set for devices that supports the Feature Control Policy
	Remedy:	Check Feature Control Policy feature support and device type before specifying a value for fkFeatureControlPolicy.

2.3.52.98 tkproduct_base (FI-1050)

Type:	enum (Null OK)
Default Value:	NULL
Remarks:	Is this a dead field? Used by GW?

Rule (RI-223):	Type:	Active (Insert)
	Rule Name:	Add a VGC Gateway to MGCP on Device update
	Description:	On Insert only
	Test Condition:	?

Rule (RI-223):	Type:	Active (Insert) This field is modified by this rule.
	Rule Name:	Add a VGC Gateway to MGCP on Device update
	Description:	On Insert only
	Test Condition:	?

2.3.52.99 tkprotocolside (FI-6)

Type:	enum
Default Value:	1
Migration Source:	DeviceList.Side
Remarks:	Network side or User Side

Rule (RFI-128):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkDeviceProtocol = 4
	Constraint:	tkProtocolSide <> 1
	Remarks:	User side does not support Digital Access T1 protocol
Rule (RI-70):	Type:	Validation (Insert/Update)
	Rule Name:	Protocol Side Setting
	Description:	The valid Protocol Side settings for a device are determined by the content of the ProductCapabilities table for that device type and feature. Most devices are only User side. Only gateways and trunks are configured as Network Side when necessary.
	Test Condition:	@Device.tkProtocolSide IN (SELECT EnumValue FROM ProductCapabilities WHERE (tkProductConfig = 18) AND (tkProduct = @Device.tkProduct))
	Error Message:	The specified Protcol Side is not valid for this device.
	Remedy:	Check the Protocol Side support and device type and try again.

2.3.52.100 tkqsig (FI-1410)

Type:	enum (Not Modifiable)
Default Value:	4

Rule (RI-263):	Type:	Active (Insert) This field is modified by this rule.
	Rule Name:	Set QSIG on Device
	Description:	When a device is inserted, the QSIG setting for the device is determined automatically as follows: For trunks other than Inter-cluster trunk, the device is treated as H.323; inter-cluster trunk is treated as Mixed-Non-QSIG. Digital Access PRI gateways using QSIG protocol are considered QSIG, H.323 Gateways are considered H.323, and all other gateways (including Digital Access PRI with a non-QSIG protocol) are Mixed-Non-QSIG. All other devices except Route Lists are considered Mixed-Non-QSIG. For Route Lists, see rule "Set QSIG on Route List"
	Test Condition:	On Insert into Device
Rule (RI-263):	Type:	Active (Insert)
	Rule Name:	Set QSIG on Device
	Description:	When a device is inserted, the QSIG setting for the device is determined automatically as follows: For trunks other than Inter-cluster trunk, the device is treated as H.323; inter-cluster trunk is treated as Mixed-Non-QSIG. Digital Access PRI gateways using QSIG protocol are considered QSIG, H.323 Gateways are considered H.323, and all other gateways (including Digital Access PRI with a non-QSIG protocol) are Mixed-Non-QSIG. All other devices except Route Lists are considered Mixed-Non-QSIG. For Route Lists, see rule "Set QSIG on Route List"
	Test Condition:	On Insert into Device

2.3.52.101 tkreset (FI-3111)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.52.102 tkringsetting_dnd (FI-3288)

Type:	enum (Null OK)
Default Value:	NULL
Check Constraint:	((tkRingSetting_DND = 1) OR (tkRingSetting_DND = 2) OR (tkRingSetting_DND = 5))

2.3.52.103 tksipassertedtype (FI-3493)

Type:	enum
Default Value:	0

Rule (RFI-165):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkModel != 131
	Default:	0
	Constraint:	tkSipAssertedType=0
	Remarks:	SIP Asserted Type only applies to SIP Trunk. Other Device should set to default (0)
Rule (RFI-169):	Type:	Inter-field Condition and Constraint
	Test Condition:	IsPAIEnabled='f'
	Constraint:	tkSIPAssertedType NOT IN (1,2)
	Remarks:	When PAI feature is disabled, the SIP Asserted Type should be set to DEFAULT

2.3.52.104 tksipcodec_mtppreferredorigcodec (FI-3015)

Type:	enum
Default Value:	1
Remarks:	Preferred Originating Codec (G711u, G711a, G729a, G729ab, G729b)

2.3.52.105 tksipprivacy (FI-3489)

Type:	enum	
Default Value:	0	
Rule (RFI-164):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkModel != 131
	Default:	0
	Constraint:	tkSipPrivacy=0
	Remarks:	SIP Privacy only applies to SIP Trunk. Other Device should set to default (0)
Rule (RFI-168):	Type:	Inter-field Condition and Constraint
	Test Condition:	IsPAIEnabled='f'
	Constraint:	tkSIPPrivacy NOT IN (1,2,6)
	Remarks:	When PAI feature is disabled, the SIP Privacy Type should be set to DEFAULT

2.3.52.106 tkstatus_alwaysuseprimeline (FI-3704)

Type:	enum

Default Value:	2
Remarks:	Determines off-hook behavior of phones with active calls present

2.3.52.107 tkstatus_alwaysuseprimelineforvm (FI-3705)

Type:	enum
Default Value:	2
Remarks:	Determines Voice Message retreival behavior of phones

2.3.52.108 tkstatus_audiblealertingbusy (FI-3531)

Type:	enum
Default Value:	2
Remarks:	Indicates whether Audible Alert tone is played when phone is busy (call active); Default means use the Service Parameter setting

2.3.52.109 tkstatus_audiblealertingidle (FI-3530)

Type:	enum
Default Value:	2
Remarks:	Indicates whether Audible Alert tone is played when phone is idle (no call active); Default means use the Service Parameter setting

2.3.52.110 tkstatus_builtinbridge (FI-1306)

Type:	enum
Default Value:	2

2.3.52.111 tkstatus_devicemobilitymode (FI-3169)

Type:	enum
Default Value:	2

2.3.52.112 tkstatus_joinacrosslines (FI-3465)

Type:	enum
Default Value:	2
Rule (RFI-194):	Type: Inter-field Condition and Constraint Test Condition: IsProtected ='t' Constraint: tkStatus_joinacrosslines=0 Remarks: Protected phone cannot have Join Across Line Features active

Rule (RI-415):	Type:	Validation (Insert/Update)
	Rule Name:	Join Across Lines Restriction
	Description:	Only devices that support Join Across lines can have a value other than zero for tkStatus_joinacrosslines
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 78 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	Join Across Lines can only be set for devices that have the Join Across Lines Feature
	Remedy:	Check the Join Across Lines feature support and device type before specifying a Join Across Lines value.

2.3.52.113 tkstatus_mlppindicationstatus (FI-1302)

Type:	enum
Default Value:	0

Rule (RI-73):	Type:	Default (Defines a default value)
	Rule Name:	MLPP Indication Default Setting
	Description:	If a product supports MLPP Indication (SUPPORTS_FEATURE_MLPP), then the Default value is STATUS_DEFAULT; otherwise the default value is STATUS_OFF
	Test Condition:	IF (SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 34 AND tkProduct = @Device.tkProduct) = 0 THEN SET Device.tkStatus_MLPPIndicationStatus = 0 ELSE SET Device.tkStatus_MLPPIndicationStatus = 2
Rule (RI-74):	Type:	Validation (Insert/Update)
	Rule Name:	MLPP Indication Restriction
	Description:	Only devices that support MLPP Indication feature may set the Indication setting to a value other than OFF (0).
	Test Condition:	IF ((SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 34 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0) AND (Device.tkStatus_MLPPIndicationStatus != 0) THEN throw exception
	Error Message:	MLPP Indication must be off on devices that do not support the MLPP Indication feature.
	Remedy:	Check the MLPP Indication feature support and device type and try again.

2.3.52.114 tkstatus_usetrustedrelaypoint (FI-3478)

Type:	enum (Indexed)
Default Value:	2

Remarks:	Indicates whether Trusted Relay Point should be used if available

2.3.52.115 tkuserlocale (FI-1035)

Type:	enum (Null OK)
Default Value:	NULL
Remarks:	User local of device, see device pool if null
Rule (RI-75):	Type: Validation (Insert/Update) Rule Name: User Locale Restriction Description: Only devices that support Localization feature use the User Locale setting Test Condition: SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 17 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99) Error Message: User Locale can only be set for devices that support the Localization feature. Remedy: Check the Localization feature support and device type before specifying a User Locale.

2.3.52.116 transmitutf8 (FI-2094)

Type:	bool
Default Value:	FALSE
Remarks:	If true, transmit utf8 calling party id

2.3.52.117 unattended_port (FI-2398)

Type:	bool
Default Value:	FALSE

2.3.52.118 unit (FI-925)

Type:	long
Default Value:	0
Rule (RI-119):	Type: Active (Insert/Update/Delete records) This field is modified by this rule. Rule Name: MGCP Slot copy to Device Unit Description: MGCPDeviceMember table's Slot field value is copied to Device table's Unit field. Test Condition: UPDATE Device SET Unit = MGCPDeviceMember.Slot WHERE Device.pkid = MGCP.fkDevice

2.3.52.119 unknownprefix (FI-3514)

Type:	string [16]

Default Value:	Default
Validation:	^([0-9*#+]{0,16}|[Dd]efault)$
Remarks:	Unknown Prefix
Rule (RFI-186):	Type: Inter-field Condition and Constraint Test Condition: tkProduct NOT IN (2,1,90,55,52,10001,17,75,76,77,95) Constraint: (UnknownPrefix = '') OR (UnknownPrefix = 'Default') OR (UnknownPrefix = 'default') Null Allowed: null Remarks: Unknown Prefix should be empty for devices other than H323 gateways and trunks, MGCP T1/E1 PRI and BRI gateways and SIP trunks
Rule (RFI-258):	Type: Inter-field Condition and Constraint Test Condition: tkProduct NOT IN (2,1,90,55,52,10001,17,75,76,77,95) Constraint: (UnknownStripDigits = '') OR (UnknownStripDigits IS NULL) Null Allowed: null Remarks: Unknown Strip Digits should be empty for devices other than H323 gateways and trunks, MGCP T1/E1 PRI and BRI gateways and SIP trunks

2.3.52.120 unknownstripdigits (FI-5113)

Type:	long (Null OK)
Default Value:	NULL
Check Constraint:	(UnknownStripDigits >= 0) AND (UnknownStripDigits <= 24)
Remarks:	Unknown Strip Digits
Rule (RFI-229):	Type: Inter-field Condition and Constraint Test Condition: (UnknownPrefix = 'Default') OR (UnknownPrefix = 'default') Constraint: UnknownStripDigits IS NULL Remarks: Cannot use UnknownStripDigits when the Default prefix is used.

2.3.52.121 upgradefinishtime (FI-1917)

Type:	string [50]
Default Value:	EMPTY

2.3.52.122 usedevicepoolcdpntransformcss (FI-3509)

Type:	bool

Default Value:	TRUE
Remarks:	If set to true fkCallingSearchSpace_CdPNTransform setting from Device Pool will be used and if false use setting on Device including NULL to mean no Calling Search Space

2.3.52.123 usedevicepoolcgpntransformcss (FI-3521)

Type:	bool
Default Value:	TRUE
Remarks:	If set to true fkCallingSearchSpace_CgPNTransform setting from Device Pool will be used and if false use setting on Device including NULL to mean no Calling Search Space

2.3.52.124 usedevicepoolcgpntransformcssintl (FI-5412)

Type:	bool
Default Value:	TRUE
Remarks:	If set to true fkCallingSearchSpace_CgpnTransform setting from Device Pool will be used and if false use setting on Device including NULL to mean no Calling Search Space

2.3.52.125 usedevicepoolcgpntransformcssnatl (FI-5411)

Type:	bool
Default Value:	TRUE
Remarks:	If set to true fkCallingSearchSpace_CgpnTransform setting from Device Pool will be used and if false use setting on Device including NULL to mean no Calling Search Space

2.3.52.126 usedevicepoolcgpntransformcsssubs (FI-5414)

Type:	bool
Default Value:	TRUE
Remarks:	If set to true fkCallingSearchSpace_CgpnTransform setting from Device Pool will be used and if false use setting on Device including NULL to mean no Calling Search Space

2.3.52.127 usedevicepoolcgpntransformcssunkn (FI-5413)

Type:	bool
Default Value:	TRUE
Remarks:	If set to true fkCallingSearchSpace_CgpnTransform setting from Device Pool will be used and if false use setting on Device including NULL to mean no Calling Search Space

2.3.52.128 userholdmohaudiosourceid (FI-838)

Type:	long (Null OK)
Default Value:	NULL

Rule (RI-61):	Type:	Validation (Insert/Update)
	Rule Name:	User Hold Audio Source Restriction
	Description:	Only devices that support Music On Hold feature use the User Hold Audio Source setting
	Test Condition:	SELECT COUNT (*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 4 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)
	Error Message:	User Hold Audio Source can only be used for devices that support the Music On Hold feature.
	Remedy:	Check device type and Music On Hold feature support before specifying a User Hold Audio Source.

2.3.52.129 v150modemrelaycapable (FI-2165)

Type:	bool
Default Value:	FALSE

2.3.52.130 versionstamp (FI-3128)

Type:	string [47] (Null OK)	
Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963	
Remarks:	New guid plus seconds past midnight 1970 are concatenated	
Rule (RI-216):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	device versionstamp
	Description:	on change to anything in device xml file, update versionstamp
	Test Condition:	update device
Rule (RI-216):	Type:	Active (Insert/Update)
	Rule Name:	device versionstamp
	Description:	on change to anything in device xml file, update versionstamp
	Test Condition:	update device
Rule (RI-305):	Type:	Active (Insert) This field is modified by this rule.
	Rule Name:	device insert versionstamp
	Description:	on insert of a device, generate a deviceversionstamp record
	Test Condition:	insert device

	Rule (RI-305):	Type:	Active (Insert)
		Rule Name:	device insert versionstamp
		Description:	on insert of a device, generate a deviceversionstamp record
		Test Condition:	insert device
	2.3.52.131 xml (FI-933)		
	Type:	string [16000] (Null OK)	
	Default Value:	NULL	
	Remarks:	Product configuration XML not used by CCM	
	Rule (RI-194):	Type:	Validation (Insert/Update) This field is modified by this rule.
		Rule Name:	Device.xml validation
		Description:	Product specific information for each device needs to be validated before storing in xml column. Validation is now performed using client side script at Admin pages. This involves reading the display instance xml (from scratch table) for the specific product, then for each parameter , read the corresponding rule xml record (scratch table) and validate the parameter value as defined in the rule.
		Test Condition:	On Insert/Update of devices (Gateway, Phone..etc)
Uniqueness:	No multicolumn uniqueness constraints		
Constraints:	Rule (RFI-110):	Type:	Inter-field Condition and Constraint
		Constraint:	(fkCallingSearchSpace IS NULL) OR (tkClass IN (1, 2, 8, 10, 13, 18, 20, 250, 251, 252, 253))
		Remarks:	CallingSearchSpace is not valid for this type of device
	Rule (RFI-111):	Type:	Inter-field Condition and Constraint
		Constraint:	(fkDevicePool IS NOT NULL) OR (tkClass IN (7, 15, 17, 20, 250, 252, 253, 254)) OR (tkModel = 133)
		Remarks:	A Device Pool is required for this device.
	Rule (RFI-113):	Type:	Inter-field Condition and Constraint
		Constraint:	(fkMediaResourceList IS NULL) OR (tkClass IN (1, 2, 10, 13, 18, 20, 250, 251, 252, 253))
		Remarks:	Media Resource List is not valid for this type of device.

Rule (RFI-114):	Type:	Inter-field Condition and Constraint
	Constraint:	((fkProcessNode IS not NULL) OR (tkModel not IN (50, 70, 110, 126))) AND ((fkProcessNode IS NULL) OR (tkModel IN (50, 70, 110, 126)))
	Remarks:	A Server (Process Node) is required for this device OR this device cannot be assigned to a Server (ProcessNode).
Rule (RFI-115):	Type:	Inter-field Condition and Constraint
	Constraint:	(fkProcessNode IS NULL) OR (fkProcessNode <> '00000000-111-0000-0000-000000000000')
	Remarks:	Devices cannot be assigned to the reserved Enterprise Node (system Process Node).
Rule (RFI-119):	Type:	Inter-field Condition and Constraint
	Constraint:	(fkMlppDomain IS NULL) OR (tkClass IN (1, 2, 8, 10, 13, 18, 20, 250, 251, 252, 253, 254))
	Remarks:	MLPP Domain ID is not valid for this type of device.
Rule (RFI-120):	Type:	Inter-field Condition and Constraint
	Constraint:	(RouteListEnabled <> 't') OR (tkModel = 90)
	Remarks:	Route List Enabled can be true only for Route List devices.
Rule (RFI-121):	Type:	Inter-field Condition and Constraint
	Constraint:	(fkEndUser IS NULL) OR (tkClass IN (1, 10, 13, 253, 254))
	Remarks:	End Users can only own or log into Phones and CTI Route Points.
Rule (RFI-198):	Type:	Inter-field Condition and Constraint
	Constraint:	(IsDualMode = 'f' AND tkDeviceProtocol <> 17) OR (tkRingSetting_DND = 1)
	Remarks:	Ring Setting for DND must be Disabled (1) for Dual Mode and Mobile Smart Client devices

Rules:			
	Rule (RI-2):	Type:	Active (Insert) Rule applied when record is inserted.
		Rule Name:	Generate CTI ID value
		Description:	On insert of a new record generate a unique 32-bit integer value and store the result in the CTI ID field
		Test Condition:	On Insert
	Rule (RI-15):	Type:	Documentation (Developer notes only) Rule applied when record is inserted.
		Rule Name:	AnalogAccess record required
		Description:	Devices with the Analog Access Device Protocol should always have a corresponding record in the AnalogAccess table, and port information in the AnalogAccessPort table
		Test Condition:	Device.tkDeviceProtocol = 3
	Rule (RI-20):	Type:	Active (Insert/Update) This table is modified by this rule.
		Rule Name:	Autogenerate Device Profile for EM
		Description:	When EM is on (Device.AllowHotelingFlag = true), if the default Device Profile (ikDevice_DefaultProfile) does not reference a User Device Profile or the AutoGenerated Device Profile for the current device, generate a profile based on the device settings (after all changes are committed), and then set ikDevice_DefaultProfile to the pkid of the autogenerated Device Profile. The Autogenerated Device Profile uses "ADP" prefixed on current MAC address for a name (in place of SEP), and contains a copy of a subset of the settings of the current device, including information in related (child) tables like Telecaster, Speed Dial, DeviceNumPlanMap, etc.
		Test Condition:	Device.AllowHotelingFlag = true
	Rule (RI-21):	Type:	Active (Update/Delete) Rule applied when record is deleted.
		Rule Name:	Remove Autogenerated Device Profile
		Description:	When a real phone with an Autogenerated Device Profile (for Extension Mobility) is deleted, or if Device.ikDevice_DefaultProfile is cleared, the Autogenerated Device Profile must be deleted.
		Test Condition:	If ((@Device.ikDevice_DefaultProfile IS NULL AND @Device.AllowHotelingFlag = FALSE) OR (Device is deleted)) Then (DELETE FROM Device WHERE Device.pkid = @Device. ikDevice_DefaultProfile AND Device.tkDeviceProfile = 2)

Rule (RI-23):	Type:	Active (Insert/Update/Delete records) This table is modified by this rule.
	Rule Name:	Synchronize Autogenerated Profile
	Description:	If the Enterprise Parameter for Autosync Profiles is true, the device referenced by Device. ikDevice_DefaultProfile, if it is an autogenerated profile, must be updated to match the settings of the phone
	Test Condition:	If ((SELECT COUNT(*) FROM ProcessConfig WHERE ParamName = 'enableAutoDeviceProfileSynChronize' AND ParamValue = 'T') AND (SELECT COUNT(*) FROM Device WHERE Device.pkid = @Device.ikDevice_DefaultProfile AND Device.tkDeviceProfile = 2)) Then update (refresh) Autogenerated Device Profile
Rule (RI-66):	Type:	Active (Insert) Rule applied when record is inserted.
	Rule Name:	Set tkClass on Insert
	Description:	The class of a device is determined by the settings in the TypeModel table in the database. A device's class is set at insert and cannot be modified. Class is determined by Model, and Model is determined by Product.
	Test Condition:	SET Device.tkClass = (SELECT tkClass FROM TypeModel WHERE Enum = (SELECT tkModel FROM TypeProduct WHERE Enum = @Device.tkProduct))
Rule (RI-67):	Type:	Active (Insert) Rule applied when record is inserted.
	Rule Name:	Set tkModel on Insert
	Description:	The model of a device is determined by the settings in the TypeProduct table in the database. A device's model is set at insert and cannot be modified.
	Test Condition:	SET Device.tkModel = (SELECT tkModel FROM TypeProduct WHERE Enum = @Device. tkProduct)
Rule (RI-100):	Type:	Validation (Insert/Update) Rule applied when record is deleted.
	Rule Name:	Cannot Delete Device with Logged In User
	Description:	Cannot delete a phone with Extension Mobility enabled while a User is logged into the device.
	Test Condition:	IF (Device.AllowHoteling = true) AND (Device.fkEndUser IS NOT NULL) THEN throw exception
	Error Message:	Extension Mobility Device cannot be deleted while a User is logged in.
	Remedy:	Log out the user and then delete the device.

Rule (RI-101):	Type:	Active (Insert/Update/Delete records) Rule applied when record is updated. This table is modified by this rule.
	Rule Name:	Sync Device Profile on Device Changes
	Description:	If the information related to a device with an autogenerated device profile changes, and the enterprise parameter for autosync profiles is true, then the autogenerated device profile must be re-generated. This includes changes to the DeviceAddonModuleMap, Telecaster, Telecaster SubscribedServices, SpeedDial, and DeviceNumPlanMap tables.
	Test Condition:	(SELECT COUNT(*) FROM ProcessConfig WHERE (ParamName = 'AutosyncDeviceProfile') AND (ParamValue = 'T') > 0) AND (SELECT tkDeviceProfile FROM Device WHERE (pkid = @Device.ikDevice_DefaultDeviceProfile) = 2) AND (SELECT LoginTime FROM Device WHERE (pkid = @Device.pkid) != 0)
Rule (RI-188):	Type:	Active (Insert) Rule applied when record is inserted. This table is modified by this rule.
	Rule Name:	Insert Media Streaming Devices
	Description:	When a ProcessNodeService record for a Media Streaming service is inserted, database automatically inserts the four media streaming Device records for the service: Annunciator, Software Conference Bridge, Music On Hold, and Software MTP. In addition, a MOHServer record is inserted for the MOH device, and a MediaMixer record is inserted for the MTP device.
	Test Condition:	On Insert to ProcessNodeService WHERE tkService=3
Rule (RI-202):	Type:	Active (Insert/Update/Delete records) Rule applied when record is inserted or updated. This table is modified by this rule.
	Rule Name:	Generate Default Device Profile for Model
	Description:	Create a Default Device Profile for a device type if one does not already exist, and extension mobility is enabled on a device of that type (e.g., create the Default Device Profile for a Cisco 7960 if it does not exist and EM is enabled on a 7960).
	Test Condition:	IF (NEW.AllowHotelingFlag is true) and ((select count(*) from device where tkmodel = NEW.tkmodel and tkdeviceprofile = 3) = 0)
	Error Message:	No default model profile, no mismatch login performed

Rule (RI-310):	Type:	Active (Update) Rule applied when record is updated.
	Rule Name:	(obsolete) Insert DeviceEMSyn record if auto sync of auto generated profile is needed
	Description:	When EM is on (Device.AllowHotelingFlag = true), if the default Device Profile is the auto generated Device Profile for the current device, and the value of service parameter (enableAutoDeviceProfileSynChronize) is true, then insert a record into DeviceEMSyn table with the pkid of auto-generated profile and the pkid of the current device. Later DbMon will process the change notification of DeviceEMSyn to re-generate the auto-generated profile of the current device.
	Test Condition:	Device.AllowHotelingFlag = true
Rule (RI-468):	Type:	Active (Delete) Rule applied when record is deleted.
	Rule Name:	Remove default intercom device from Numplan when Device is Deleted
	Description:	When a device is deleted, update all Numplan records where this device is used as fkDevice_IntercomDefault
	Test Condition:	ON DELETE in Device: UPDATE Numplan set fkDevice_IntercomDefault = NULL WHERE fkDevice_IntercomDefault = @pkid

2.3.53 deviceaddonmodulemap (TI-167)

Description:	Map device to phone template for add-on-modules

Fields:

2.3.53.1 fkdevice (FI-979)

Type:	guid (Cascade Delete)	
Rule (RI-23):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Synchronize Autogenerated Profile
	Description:	If the Enterprise Parameter for Autosync Profiles is true, the device referenced by Device. ikDevice_DefaultProfile, if it is an autogenerated profile, must be updated to match the settings of the phone
	Test Condition:	If ((SELECT COUNT(*) FROM ProcessConfig WHERE ParamName = 'enableAutoDeviceProfileSynChronize' AND ParamValue = 'T') AND (SELECT COUNT(*) FROM Device WHERE Device.pkid = @Device.ikDevice_DefaultProfile AND Device.tkDeviceProfile = 2)) Then update (refresh) Autogenerated Device Profile

Rule (RI-77):	Type:	Validation (Insert/Update)
	Rule Name:	DeviceAddOnModule Limit & KEM(s) can only be added to devices that support them
	Description:	The number of Add-on Modules supported by a device (phone) is indicated in the MaxAddOnModules column of the TypeProduct table. When a record is inserted into the DeviceAddonModuleMap table, the number of records for the specified device cannot exceed the MaxAddOnModules for that device type (product). Also, The KEM can only be assigned to a phone that supports it.
	Test Condition:	ON INSERT/UPDATE INTO DeviceAddonModuleMap (IF (SELECT COUNT(*) FROM DeviceAddonModuleMap WHERE fkDevice = @Device.pkid) > (SELECT MaxAddOnModules FROM TypeProduct WHERE Enum = @Device.tkProduct) THEN throw exception.
	Error Message:	Cannot insert additional Add-on Modules for this device OR This Device Model does not support this type of expansion module.
	Remedy:	Check the number of Add-on Modules supported and configured for this device and try again OR this Device Model does not support this type of expansion module.
Rule (RI-176):	Type:	Validation (Insert/Update)
	Rule Name:	Device Add-on Module Map Model Restriction
	Description:	The model referenced by a DeviceAddonModuleMap record must be in the Add-on Module class (16).
	Test Condition:	IF (@DeviceAddonModuleMap.tkModel NOT IN (SELECT Enum FROM TypeModel WHERE tkClass = 16)) THEN throw exception
	Error Message:	The specified Model is not an Add-on Module.
	Remedy:	Check the class of the model you selected to make sure it is an addon module, and try again.
Rule (RI-469):	Type:	Validation (Insert/Update)
	Rule Name:	KEM(s) cannot not be mixed on the same device
	Description:	If the KEM has been set to one type on a given device it cannot be assigned a second KEM of another type
	Test Condition:	ON INSERT/UPDATE IN DeviceAddOnModuleMap: SELECT tkmodel INTO theModel from DeviceAddOnModuleMap where pkid <> new_Pkid and fkdevice = new_fkdevice; IF (new_tkmodel <> theModel) THEN theMoniker='DEVICE_KEM_MIXED_TYPES'; END IF;
	Error Message:	Expansion Modules can not be of mixed types.
	Remedy:	Two types of Expansion Modules have been selected for the same Device. Please select only one type of Expansion Module.

2.3.53.2 moduleindex (FI-981)

Type:	long	
Rule (RI-76):	Type:	Documentation (Developer notes only) This field is modified by this rule.
	Rule Name:	DeviceAddOnModule Index
	Description:	The configured Add-on Modules for a device (phone) should always start with ModuleIndex = 1 for that device. Whenever an Add-on Module is deleted from the DeviceAddonModuleMap table, the remaining record(s) are re-indexed to make sure that there is a module with ModuleIndex = 1.
	Test Condition:	SELECT * FROM DeviceAddonModuleMap WHERE fkDevice = @Device.pkid ORDER BY ModuleIndex; DECL @Index = 1; FOR EACH record in resultset (SET ModuleIndex = @Index; @Index = @Index + 1)

2.3.53.3 pkid (FI-978)

Type:	guid (Unique, Indexed, Not Modifiable)	
Default Value:	newid()	
Remarks:	Unique ID to identify a record.	
Rule (RI-284):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	deviceaddonmodulemap versionstamp
	Description:	on change to anything in deviceaddonmodulemap table, update device versionstamp
	Test Condition:	update device
Rule (RI-469):	Type:	Validation (Insert/Update)
	Rule Name:	KEM(s) cannot not be mixed on the same device
	Description:	If the KEM has been set to one type on a given device it cannot be assigned a second KEM of another type
	Test Condition:	ON INSERT/UPDATE IN DeviceAddOnModuleMap: SELECT tkmodel INTO theModel from DeviceAddOnModuleMap where pkid <> new_Pkid and fkdevice = new_fkdevice; IF (new_tkmodel <> theModel) THEN theMoniker='DEVICE_KEM_MIXED_TYPES'; END IF;
	Error Message:	Expansion Modules can not be of mixed types.
	Remedy:	Two types of Expansion Modules have been selected for the same Device. Please select only one type of Expansion Module.

2.3.53.4 specialloadinformation (FI-988)

Type:	string [32] (Null OK)	
Default Value:	NULL	
Validation:	^[a-zA-Z0-9._-]{0,32}$	
Remarks:	used only by addon with firmware	
2.3.53.5 tkmodel (FI-1620)		
Type:	enum	
Default Value:	124	
Rule (RI-77):	Type:	Validation (Insert/Update)
	Rule Name:	DeviceAddOnModule Limit & KEM(s) can only be added to devices that support them
	Description:	The number of Add-on Modules supported by a device (phone) is indicated in the MaxAddOnModules column of the TypeProduct table. When a record is inserted into the DeviceAddonModuleMap table, the number of records for the specified device cannot exceed the MaxAddOnModules for that device type (product). Also, The KEM can only be assigned to a phone that supports it.
	Test Condition:	ON INSERT/UPDATE INTO DeviceAddonModuleMap (IF (SELECT COUNT(*) FROM DeviceAddonModuleMap WHERE fkDevice = @Device.pkid) > (SELECT MaxAddOnModules FROM TypeProduct WHERE Enum = @Device.tkProduct) THEN throw exception.
	Error Message:	Cannot insert additional Add-on Modules for this device OR This Device Model does not support this type of expansion module.
	Remedy:	Check the number of Add-on Modules supported and configured for this device and try again OR this Device Model does not support this type of expansion module.
Rule (RI-469):	Type:	Validation (Insert/Update)
	Rule Name:	KEM(s) cannot not be mixed on the same device
	Description:	If the KEM has been set to one type on a given device it cannot be assigned a second KEM of another type
	Test Condition:	ON INSERT/UPDATE IN DeviceAddOnModuleMap: SELECT tkmodel INTO theModel from DeviceAddOnModuleMap where pkid <> new_Pkid and fkdevice = new_fkdevice; IF (new_tkmodel <> theModel) THEN theMoniker='DEVICE_KEM_MIXED_TYPES'; END IF;
	Error Message:	Expansion Modules can not be of mixed types.
	Remedy:	Two types of Expansion Modules have been selected for the same Device. Please select only one type of Expansion Module.
Uniqueness:	fkdevice + moduleindex is unique. (MFI-33)	

Rules:	Rule (RI-76):	Type:	Documentation (Developer notes only) Rule applied when record is deleted.
		Rule Name:	DeviceAddOnModule Index
		Description:	The configured Add-on Modules for a device (phone) should always start with ModuleIndex = 1 for that device. Whenever an Add-on Module is deleted from the DeviceAddonModuleMap table, the remaining record(s) are re-indexed to make sure that there is a module with ModuleIndex = 1.
		Test Condition:	SELECT * FROM DeviceAddonModuleMap WHERE fkDevice = @Device.pkid ORDER BY ModuleIndex; DECL @Index = 1; FOR EACH record in resultset (SET ModuleIndex = @Index; @Index = @Index + 1)
	Rule (RI-101):	Type:	Active (Insert/Update/Delete records) Rule applied when record is updated. This table is modified by this rule.
		Rule Name:	Sync Device Profile on Device Changes
		Description:	If the information related to a device with an autogenerated device profile changes, and the enterprise parameter for autosync profiles is true, then the autogenerated device profile must be re-generated. This includes changes to the DeviceAddonModuleMap, Telecaster, Telecaster SubscribedServices, SpeedDial, and DeviceNumPlanMap tables.
		Test Condition:	(SELECT COUNT(*) FROM ProcessConfig WHERE (ParamName = 'AutosyncDeviceProfile') AND (ParamValue = 'T') > 0) AND (SELECT tkDeviceProfile FROM Device WHERE (pkid = @Device. ikDevice_DefaultDeviceProfile) = 2) AND (SELECT LoginTime FROM Device WHERE (pkid = @Device.pkid) != 0)

2.3.54 deviceemsyn (TI-409)

Description:	This table will store the pkid for auto-generated profile that need to be auto-sync

Fields:		
	2.3.54.1 adpdeviceid (FI-3042)	
	Type:	guid (Unique, Indexed)
	Remarks:	The pkid for auto-generated profile that needs to be auto sync. Do not use foreign key to avoid cascade delete and active business rules
	2.3.54.2 pkid (FI-3041)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record
	2.3.54.3 sepdeviceid (FI-3043)	
	Type:	guid
	Remarks:	The pkid of the real device that requires sync up ADP
	2.3.54.4 seq (FI-3044)	
	Type:	identity (Unique, Not Modifiable)
	Remarks:	Trigger set on insert
Uniqueness:	No multicolumn uniqueness constraints	

2.3.55 devicefeaturemember (TI-209)

Description:	Generic table for associating a list of features with a device	
Fields:	**2.3.55.1 fkdevice_group (FI-1371)**	
	Type:	guid (Cascade Delete)
	2.3.55.2 member (FI-1373)	
	Type:	string [100]
	Default Value:	EMPTY
	2.3.55.3 pkid (FI-1370)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.55.4 selectionorder (FI-1374)	

	Type:	long
	2.3.55.5 tkdevicefeature (FI-1372)	
	Type:	enum
Uniqueness:	fkdevice_group + tkdevicefeature is unique. (MFI-35)	

2.3.56 devicehlogdynamic (TI-437)

Description:	Frequently updated settings for Hunt Group Log In/Out Insert/Delete is not allowed.		
Fields:	**2.3.56.1 datetimestamp (FI-3308)**		
	Type:	long	
	Default Value:	0	
	Rule (RI-400):	Type:	Active (Insert/Update)
		Rule Name:	Update the DateTimeStamp for Dynamic records
		Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
		Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
	Rule (RI-400):	Type:	Active (Insert/Update) This field is modified by this rule.
		Rule Name:	Update the DateTimeStamp for Dynamic records
		Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
		Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
	2.3.56.2 fkdevice (FI-3307)		
	Type:	guid (Unique, Cascade Delete)	
	2.3.56.3 hlog (FI-3166)		
	Type:	bool	
	Default Value:	TRUE	
	Remarks:	By default a Hunt List to which a device belongs will extend calls to the device (logged in when hlog = true). When hlog is set to false, Hunt List will not extend calls to this device (logged out swhen hlog = false)	

2.3.56.4 pkid (FI-3306)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints

2.3.57 devicemobilitydynamic (TI-436)

Description:	Frequently updated settings for Mobility Insert/Delete is not allowed.

Fields:

2.3.57.1 datetimestamp (FI-3305)		
Type:	long	
Default Value:	0	
Rule (RI-400):	Type:	Active (Insert/Update)
	Rule Name:	Update the DateTimeStamp for Dynamic records
	Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
	Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
Rule (RI-400):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	Update the DateTimeStamp for Dynamic records
	Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
	Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
2.3.57.2 fkdevice (FI-3304)		
Type:	guid (Unique, Cascade Delete)	
2.3.57.3 fkdevicepool_devicemobility (FI-3165)		
Type:	guid (Null OK)	
Default Value:	NULL	
2.3.57.4 pkid (FI-3303)		

	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.57.5 versionstamp (FI-3451)	
	Type:	string [47] (Null OK)
	Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
	Remarks:	New guid is generated every time this device is updated
	Rule (RI-413):	Type: Active (Insert/Update) This field is modified by this rule. Rule Name: DeviceMobilityDynamic versionstamp Description: update versionstamp in DeviceMobilityDynamic Test Condition: update DeviceMobilityDynamic
	Rule (RI-413):	Type: Active (Insert/Update) Rule Name: DeviceMobilityDynamic versionstamp Description: update versionstamp in DeviceMobilityDynamic Test Condition: update DeviceMobilityDynamic
Uniqueness:	No multicolumn uniqueness constraints	

2.3.58 devicemobilitygroup (TI-423)

Description:	Used for Device Mobility
Fields:	**2.3.58.1 description (FI-3170)**
	Type: string [50]
	Default Value: EMPTY
	Validation: ^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{0,50}$
	2.3.58.2 name (FI-3171)
	Type: string [50] (Unique)
	Validation: ^[a-zA-Z 0-9._-]{1,50}$
	2.3.58.3 pkid (FI-3172)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

Uniqueness:	No multicolumn uniqueness constraints

2.3.59 devicemobilityinfo (TI-427)

Description:	Device Mobility Mapping

Fields:

2.3.59.1 name (FI-3173)

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,50}$

2.3.59.2 pkid (FI-3174)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.59.3 subnet (FI-3175)

Type:	string [15]
Validation:	^(22[0-3]|2[01][0-9]|1[0-9]{2}|[1-9]?[0-9])(\.(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])){3}$

Rule (RI-349):

Type:	Validation (Insert/Update)
Rule Name:	DeviceMobilityInfo.SubnetMask first octect restriction
Description:	The first octect of the Subnet mask for DeviceMobilityInfo must be 223 or
Test Condition:	ON INSERT/UPDATE in DeviceMobilityInfo: If (first octet of dotted decimal IP address > 223) then throw exception;
Error Message:	The subnet mask is out of range.
Remedy:	Make sure the first octet value is 223 or less.

	Rule (RI-356):	Type:	Validation (Insert/Update)
		Rule Name:	DeviceMobilityInfo SubnetMask and Size must match
		Description:	The subnet mask and the mask size setting must match.
		Test Condition:	ON INSERT/UPDATE
		Error Message:	Subnet mask and mask size do not match
		Remedy:	Change the subnet mask to match the size

2.3.59.4 subnetmasksz (FI-3176)

Type:	long
Check Constraint:	(SubNetMaskSz >= 0) AND (SubNetMaskSz <= 32)

Rule (RI-356):	Type:	Validation (Insert/Update)
	Rule Name:	DeviceMobilityInfo SubnetMask and Size must match
	Description:	The subnet mask and the mask size setting must match.
	Test Condition:	ON INSERT/UPDATE
	Error Message:	Subnet mask and mask size do not match
	Remedy:	Change the subnet mask to match the size

Uniqueness:	subnet + subnetmasksz is unique. (MFI-101)

2.3.60 devicenumplanmap (TI-77)

Description:	Ordered association of NumPlan records with a device (line appearance)

Fields:

2.3.60.1 busytrigger (FI-1350)

Type:	long
Default Value:	1
Check Constraint:	BusyTrigger > 0

Rule (RI-79):	Type:	Default (Defines a default value)
	Rule Name:	Busy Trigger Default Setting
	Description:	When a device supports Multiple Call Display (ProductSupportsFeature.tkSupportsFeature = SUPPORTS_FEATURE_MULTIPLE_CALL_DISPLAY), the default for Busy Trigger is the lesser of a) the Default BusyTrigger setting in the Product Supports Feature record's parameter value or b) the MaxCalls default for the current line. If the Multiple Call Display feature is not supported, BusyTrigger defaults to 2 if the device supports CallWaiting, or 1 if the device doesn't support Call Waiting (ProductSupportsFeature.tkSupportsFeature = SUPPORTS_FEATURE_CALL_WAITING).
	Test Condition:	SELECT ParamValue FROM ProductSupportsFeature WHERE (tkSupportsFeature = 30) AND (tkProduct = @Device.tkProduct)
Rule (RI-82):	Type:	Validation (Insert/Update)
	Rule Name:	Busy Trigger and No Call Waiting
	Description:	Busy Trigger must be set to 1 if there is no record for current device type (Device.tkProduct) to indicate that the device supports Call Waiting (ProductSupportsFeature.tkSupportsFeature = SUPPORTS_FEATURE_CALL_WAITING) (6)
	Test Condition:	IF (SELECT COUNT(*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 6 AND tkProduct = @Device.tkProduct) = 0 AND (DeviceNumPlanMap.BusyTrigger != 1) THEN throw exception
	Error Message:	Busy Trigger cannot be greater than 1 because the specified device type does not support Call Waiting
	Remedy:	Check the Call Waiting support and device type and try again. If the device does not support Call Waiting, Busy Trigger must be set to 1.
Rule (RI-94):	Type:	Validation (Insert/Update)
	Rule Name:	Maximum MaxCalls Per Device/Line
	Description:	The upper limit for Maximum Calls for a Line Appearance (DeviceNumPlanMap.MaxCalls) is calculated on a per-line basis as follows: If the device supports feature Multiple Call Display (ProductSupportsFeature.tkSupportsFeature = SUPPORTS_FEATURE_MULTIPLE_CALL_DISPLAY), the limit is read from the parameter in ProductSupportsFeature. The parameter indicates MaxCalls (total for device) : Default Max Calls : Default Busy Trigger. The current value must be less than MaxCalls limit for the device minus the sum of MaxCalls configured for all lines on the phone excluding the current line. If Multiple Call Display is not supported, MaxCalls is set to 2
	Test Condition:	?

2.3.60.2 callinfodisplaymask (FI-1351)

Type:	long
Default Value:	9
Check Constraint:	(CallInfoDisplayMask >= 0) AND (CallInfoDisplayMask <=15)

2.3.60.3 ctiid (FI-600)

Type:	identity (Unique, Not Modifiable)	
Migration Source:	NumPlan.ID	
Remarks:	Trigger set on insert. 32 bit value for Computer Telephony Interface	
Rule (RI-2):	Type:	Active (Insert)
	Rule Name:	Generate CTI ID value
	Description:	On insert of a new record generate a unique 32-bit integer value and store the result in the CTI ID field
	Test Condition:	On Insert
Rule (RI-225):	Type:	Active (Insert) This field is modified by this rule.
	Rule Name:	Increment DevNumPlanMap Ctiid
	Description:	On Insert only
	Test Condition:	?

2.3.60.4 dialplanwizardgenid (FI-678)

Type:	long (Indexed, Null OK)
Default Value:	NULL
Remarks:	This record created by DialPlanWizard

2.3.60.5 display (FI-317)

Type:	string [120]
Default Value:	EMPTY
Validation:	^[^]"""""%<>[&|{}]{0,30}$
Migration Source:	NumPlan.Display
Remarks:	The localized name to display for internal Caller ID

Rule (RI-83):	Type:	Warning (Message for UI only)
	Rule Name:	Display Name (Caller ID) is a Number
	Description:	Internal Caller ID should not appear to be a Directory Number because this could hide the actual calling number for call information. It is allowed, but not recommeded, where a specific Calling Number should appear that is different from the actual calling number. This does not effect the calling number sent in call setup messages.
	Test Condition:	DeviceNumPlanMap.Display contains only digits
	Error Message:	Display text for a line appearance is intended for displaying text such as a name instead of the directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.

2.3.60.6 displayascii (FI-1789)

Type:	string [30]
Default Value:	EMPTY
Validation:	^[a-zA-Z0-9 !#$'()*+,./:;=?@\\^_`}~-]{0,30}$
Remarks:	A safe version of the Caller ID Display text using only English letters (a to Z) and punctuation, used when endpoints are using different language groups.

Rule (RI-83):	Type:	Warning (Message for UI only)
	Rule Name:	Display Name (Caller ID) is a Number
	Description:	Internal Caller ID should not appear to be a Directory Number because this could hide the actual calling number for call information. It is allowed, but not recommeded, where a specific Calling Number should appear that is different from the actual calling number. This does not effect the calling number sent in call setup messages.
	Test Condition:	DeviceNumPlanMap.Display contains only digits
	Error Message:	Display text for a line appearance is intended for displaying text such as a name instead of the directory number for internal calls. If you specify a number, the person receiving a call may not see the proper identity of the caller.

2.3.60.7 e164mask (FI-617)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,24}$
Remarks:	masked against NumPlan.DnOrPattern to get full number to display on Telecaster

2.3.60.8 fkcallingsearchspace_monitoring (FI-3261)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	CallingSearchSpace used for monitoring if supported by associated device
Rule (RI-364):	

Type:	Validation (Insert/Update)
Rule Name:	Monitor feature restriction
Description:	The Monitor CSS can only be set on a line if the device supports the Monitor feature
Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap IF (@fkCallingSearchSpace_Monitoring IS NOT NULL) AND (SELECT tkProduct, tkDeviceProtocol from Device where pkid = @fkDevice) NOT IN (Select tkproduct, tkdeviceprotocol from PSF where tkSupportsFeature = SUPPORTS_FEATURE_MONITOR) THEN throw exception;
Error Message:	Monitoring is not supported on the device where this line appears
Remedy:	Do not set a Calling Search Space for Monitoring.

2.3.60.9 fkdevice (FI-281)

Type:	guid (Indexed, Cascade Delete)
Migration Source:	convert from NumPlan.DeviceName
Rule (RI-23):	

Type:	Active (Insert/Update/Delete records)
Rule Name:	Synchronize Autogenerated Profile
Description:	If the Enterprise Parameter for Autosync Profiles is true, the device referenced by Device. ikDevice_DefaultProfile, if it is an autogenerated profile, must be updated to match the settings of the phone
Test Condition:	If ((SELECT COUNT(*) FROM ProcessConfig WHERE ParamName = 'enableAutoDeviceProfileSynChronize' AND ParamValue = 'T') AND (SELECT COUNT(*) FROM Device WHERE Device.pkid = @Device.ikDevice_DefaultProfile AND Device.tkDeviceProfile = 2)) Then update (refresh) Autogenerated Device Profile

Rule (RI-82):	Type:	Validation (Insert/Update)
	Rule Name:	Busy Trigger and No Call Waiting
	Description:	Busy Trigger must be set to 1 if there is no record for current device type (Device.tkProduct) to indicate that the device supports Call Waiting (ProductSupportsFeature.tkSupportsFeature = SUPPORTS_FEATURE_CALL_WAITING) (6)
	Test Condition:	IF (SELECT COUNT(*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 6 AND tkProduct = @Device.tkProduct) = 0 AND (DeviceNumPlanMap.BusyTrigger != 1) THEN throw exception
	Error Message:	Busy Trigger cannot be greater than 1 because the specified device type does not support Call Waiting
	Remedy:	Check the Call Waiting support and device type and try again. If the device does not support Call Waiting, Busy Trigger must be set to 1.
Rule (RI-86):	Type:	Validation (Insert/Update)
	Rule Name:	Associate DNs with Devices
	Description:	A Directory Number (NumPlan.tkPatternUsage = 2) can only be associated with Phones (including Device Profiles), CTI Route Points, and FXS Gateway Ports
	Test Condition:	?
Rule (RI-87):	Type:	Validation (Insert/Update)
	Rule Name:	Associate Route Pattern with Devices
	Description:	A Route Pattern (NumPlan.tkPatternUsage = 5) can only be associated with a single Gateway, Trunk, Hunt List or Route List.
	Test Condition:	?
Rule (RI-88):	Type:	Validation (Insert/Update)
	Rule Name:	Associate Hunt Pilot with Hunt List
	Description:	A Hunt Pilot (NumPlan.tkPatternUsage = 8) can only be associated with a single device which must be a Hunt List (Device.tkProduct = ?)
	Test Condition:	?

Rule (RI-89):	Type:	Validation (Insert/Update)
	Rule Name:	Route Group Member Exclusion
	Description:	A Route Group cannot contain a device that already has an association to a Route Pattern, nor devices that are already members of a Route Group.
	Test Condition:	?
Rule (RI-90):	Type:	Validation (Insert/Update)
	Rule Name:	Gateway Port in Route Group
	Description:	If an individual port on a gateway is assigned to a Route Group, the entire device cannot be assigned to a Route Group, nor can it be associated with a Route Pattern. The remaining individual ports can be assigned to the same or a different Route Group.
	Test Condition:	?
Rule (RI-91):	Type:	Validation (Insert/Update)
	Rule Name:	NumPlan Associated with Device
	Description:	Devices can only be associated with (DeviceNumPlanMap records may only reference NumPlan records for) DNs, Route Patterns and Hunt Pilots.
	Test Condition:	?
Rule (RI-92):	Type:	Validation (Insert/Update)
	Rule Name:	No CTI Device in Line Group
	Description:	CTI Ports and CTI Route Points may not be associated with DNs that are in Line Groups. (Temporary restriction pending CTI support for Line Groups and Hunt Lists.)
	Test Condition:	?
Rule (RI-93):	Type:	Validation (Insert/Update)
	Rule Name:	Shared Line Support Required
	Description:	If product support for shared line is not present, DN cannot be associated with more than one device.
	Test Condition:	IF (SELECT COUNT(*) FROM ProductSupportsFeature WHERE (tkSupportsFeature = 8) AND (tkProduct = @Device.tkProduct) = 0) AND (SELECT COUNT(*) FROM DeviceNumPlanMap WHERE (fkNumPlan = @NumPlan.pkid) > 1) THEN throw exception

Rule (RI-94):	Type:	Validation (Insert/Update)
	Rule Name:	Maximum MaxCalls Per Device/Line
	Description:	The upper limit for Maximum Calls for a Line Appearance (DeviceNumPlanMap.MaxCalls) is calculated on a per-line basis as follows: If the device supports feature Multiple Call Display (ProductSupportsFeature.tkSupportsFeature = SUPPORTS_FEATURE_MULTIPLE_CALL_DISPLAY), the limit is read from the parameter in ProductSupportsFeature. The parameter indicates MaxCalls (total for device) : Default Max Calls : Default Busy Trigger. The current value must be less than MaxCalls limit for the device minus the sum of MaxCalls configured for all lines on the phone excluding the current line. If Multiple Call Display is not supported, MaxCalls is set to 2
	Test Condition:	?
Rule (RI-96):	Type:	Validation (Insert/Update)
	Rule Name:	AutoAnswer Device Support
	Description:	The AutoAnswer setting for a DN can only be on when the DN is associated with a Device (or Device Profile) type that supports the Auto Answer feature.
	Test Condition:	IF (NumPlan.tkAutoAnswer != 0) AND (SELECT COUNT (*) FROM ProductSupportsFeature WHERE (tkSupportsFeature = 7) AND (tkProduct = @Device.tkProduct) = 0) THEN throw exception
	Error Message:	AutoAnswer is not valid for this Directory Number because it is not associated with a device that supports the AutoAnswer feature.
	Remedy:	Set AutoAnswer to Off or associated the DN with a device that supports AutoAnswer and try again.
Rule (RI-136):	Type:	Validation (Insert/Update)
	Rule Name:	Device in Route Group or Route Pattern
	Description:	Gateways and Trunks must not be in Route Groups if they are already associated with a Route Pattern, or in the case of FXS ports associated with a DN.
	Test Condition:	IF (SELECT COUNT(*) FROM RouteGroupDeviceMap WHERE fkDevice = @RouteGroupDeviceMap.fkDevice AND Port = @RouteGroupDeviceMap.port) > 0) AND (SELECT COUNT(*) FROM DeviceNumPlanMap WHERE fkDevice = @DeviceNumPlanMap. fkDevice AND NumPlanIndex = @RouteGroupDeviceMap.Port) > 0) THEN throw exception
	Error Message:	The selected device or part is already associated with a Route Pattern and cannot be added to a Route Group.
	Remedy:	Remove the device or individual port from any associated Route Patterns and try again.

Rule (RI-191):	Type:	Validation (Insert/Update)
	Rule Name:	Devices assoc. with RP have matching Dial Plan
	Description:	If a device record is associated with a Route Pattern via its presence in DeviceNumPlanMap then both the referred Dial Plans should match.
	Test Condition:	On INSERT/UPDATE in DeviceNumPlanMap IF (@fkNumPlan.tkPatternUsage = 5) AND (@fkDevice.fkDialPlan <> @fkDevice.fkDialPlan) THEN throw Exception
	Error Message:	The Dial Plan of the Device should match that of the associated Route Pattern
	Remedy:	Add the matching Dial Plan to the associated Device
Rule (RI-207):	Type:	Validation (Insert/Update)
	Rule Name:	Associate VM Port DN with Voice Mail Port device
	Description:	The NumPlan record associated with a Voice Mail Port device must be a VM Port DN (tkpatternusage = 8). VM Port cannot use a regular device DN (tkpatternusage = 2).
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap IF ((SELECT tkClass FROM Device WHERE pkid = @DeviceNumPlanMap.fkDevice) = 8) AND ((SELECT tkPatternUsage FROM NumPlan WHERE pkid = @DeviceNumPlanMap.fkNumPlan) <> 8) THEN throw exception
	Error Message:	Cannot associate a DN or Pattern that is not a Voice Mail DN with a Voice Mail Port.
	Remedy:	Make sure the DN or Pattern is a Voice Mail Port DN (not a regular device DN or other type of pattern).
Rule (RI-228):	Type:	Validation (Insert/Update)
	Rule Name:	ValidateFXSPortDN
	Description:	For CAT6K FXS ports. Model_Elvis type devices if there are more than one device/same dn associations in devicenumplanmap then its an error.
	Test Condition:	?
	Error Message:	FXS port is not shareable.
	Remedy:	?

Rule (RI-229):	Type:	Validation (Insert/Update)
	Rule Name:	ValidateDevNumPlanIndex
	Description:	A device (phone) cannot have the same line more than once.
	Test Condition:	ON INSERT/UPDATE INTO DeviceNumPlanMap IF (SELECT COUNT(*) INTO nRows FROM DeviceNumPlanMap WHERE (fkDevice = new_fkDevice) AND NumPlanIndex = new_NumPlanIndex) AND (fkPartitionUsage = new_tkPartitionUsage)) > 1 THEN throw exception;
	Error Message:	Duplicate phone line.
	Remedy:	?
Rule (RI-231):	Type:	Active (Insert)
	Rule Name:	ValidateInsertSucceeds
	Description:	If a record exists in devicenumplanmap then update the corresponding numplan record to set its isCallable field to true
	Test Condition:	?
	Error Message:	Could not update isCallable field for this numplan record.
	Remedy:	?
Rule (RI-266):	Type:	Validation (Insert/Update)
	Rule Name:	Assign numplan to class template for pattern_device
	Description:	A numplan record with (tkpatternusage = PATTERN_DEVICE_TEMPLATE) can only be assigned to a device of class template
	Test Condition:	?
	Error Message:	Could not associate fknumplan to fkdevice of class template
	Remedy:	?
Rule (RI-277):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	devicenumplanmap versionstamp
	Description:	on change to anything in devicenumplanmap table, update device versionstamp
	Test Condition:	update device

Rule (RI-287):	Type:	Validation (Insert/Update)
	Rule Name:	MWL Policy feature restriction
	Description:	MWL Policy can be set to non-default only on devices that support the Message Waiting Lamp Policy feature
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap IF (@tkMWLPolicy<>0) AND (SELECT tkProduct from Device where pkid = @fkDevice) NOT IN (Select tkproduct from PSF where tkSupportsFeature = SUPPORTS_FEATURE_MWL_POLICY) THEN throw exception
	Error Message:	Message Waiting Lamp Policy is not supported on the device where this line appears
	Remedy:	Use the default MWL Policy setting.
Rule (RI-288):	Type:	Validation (Insert/Update)
	Rule Name:	Ring Setting feature restriction
	Description:	Ring Settings can be set to non-default value only for devices that support the Disable Ring feature
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap IF (tkRingSetting<>0) OR (tkRingSetting_Consecutive<>0) AND (SELECT tkProduct from Device where pkid = @fkDevice) NOT IN (Select tkproduct from PSF where tkSupportsFeature = SUPPORTS_FEATURE_DISABLE_RING) THEN throw exception
	Error Message:	Ring settings are not supported on the device where this line appears.
	Remedy:	Use the default ring settings.
Rule (RI-350):	Type:	Validation (Insert/Update)
	Rule Name:	Ring Setting for Pickup Alert must be supported by device type
	Description:	Ring Setting for Pickup Alert can only be set on lines associated with devices that support the feature
	Test Condition:	ON INSERT/UPDATE in DeviceNumPlanMap: SELECT tkProduct, tkDeviceProtocol INTO product, protocol FROM Device WHERE pkid = new_fkDevice; SELECT count(*) INTO nRows FROM ProductSupportsFeature WHERE tkSupportsFeature = SUPPORTS_DISABLE_RING AND tkProduct = product AND tkProtocol IN (protocol, 99); IF (nRows = 0) AND (new_tkRingSetting_IdlePickupAlert IS NOT NULL) OR (new_tkRingSetting_ActivePickupAlert IS NOT NULL) THEN throw exception END IF;
	Error Message:	This device does not support the Pickup Alert feature

Rule (RI-361):	Type:	Validation (Insert/Update)
	Rule Name:	Audible MWI feature restriction
	Description:	Audible MWI status can be set to non-default only on devices that support the Message Waiting Lamp Policy feature
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap IF (@tkMWLPolicy<>0) AND (SELECT tkProduct from Device where pkid = @fkDevice) NOT IN (Select tkproduct from PSF where tkSupportsFeature = SUPPORTS_FEATURE_MWL_POLICY) THEN throw exception
	Error Message:	Audible Message Waiting Indicator is not supported on the device where this line appears
	Remedy:	Use the default Audible MWI status setting.
Rule (RI-362):	Type:	Active (Insert)
	Rule Name:	Insert RecordDynamic record if recording is supported
	Description:	For each line on a device that supports Recording, insert a record in RecordDynamic with a reference back to the new DeviceNumPlanMap record
	Test Condition:	ON INSERT into DeviceNumPlanMap: INSERT INTO RecordDynamic (pkid, fkDeviceNumPlanMap) VALUES (newid(), @DeviceNumPlanMap.pkid)
Rule (RI-363):	Type:	Validation (Insert/Update)
	Rule Name:	Recording feature restriction
	Description:	The recording profile can only be set on a line if the device supports the Recording feature
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap IF (@fkRecordingProfile IS NOT NULL) AND (SELECT tkProduct from Device where pkid = @fkDevice) NOT IN (Select tkproduct from PSF where tkSupportsFeature = SUPPORTS_FEATURE_RECORD) THEN throw exception
	Error Message:	Recording is not supported on the device where this line appears
	Remedy:	Do not set a Recording Profile.

Rule (RI-364):	Type:	Validation (Insert/Update)
	Rule Name:	Monitor feature restriction
	Description:	The Monitor CSS can only be set on a line if the device supports the Monitor feature
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap IF (@fkCallingSearchSpace_Monitoring IS NOT NULL) AND (SELECT tkProduct, tkDeviceProtocol from Device where pkid = @fkDevice) NOT IN (Select tkproduct, tkdeviceprotocol from PSF where tkSupportsFeature = SUPPORTS_FEATURE_MONITOR) THEN throw exception;
	Error Message:	Monitoring is not supported on the device where this line appears
	Remedy:	Do not set a Calling Search Space for Monitoring.
Rule (RI-419):	Type:	Validation (Insert/Update)
	Rule Name:	Intercom not compatible with Extension Mobility
	Description:	An Intercom DN cannot be configured for a User Device Profile, even if that profile has a phone button template with the Intercom Feature.
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap: SELECT tkpatternusage INTO patternusage FROM NUMPLAN WHERE pkid = new_fkNumPlan; SELECT tkDeviceProfile INTO profiletype FROM Device WHERE pkid = new_fkDevice; IF (patternusage = 13 AND profiletype <> 0) THEN throw exception END IF;
	Error Message:	Cannot assign an Intercom DN to a Device Profile or BAT Template
	Remedy:	Intercom DN is not compatible with Extension Mobility. Assign Intercom DN directly to phones.
Rule (RI-473):	Type:	Validation (Insert/Update)
	Rule Name:	DN restrictions for Protected device (secure tone)
	Description:	Do not allow a "protected" phone to have a shared line, and all lines on a protected phone must have max calls (and busy trigger) set to 1
	Test Condition:	ON INSERT/UPDATE IN Device, DeviceNumplanMap:
	Error Message:	Protected device can not support shared line.
	Remedy:	Protected device does not support shared line.

Rule (RI-488):	Type:	Validation (Insert/Update)
	Rule Name:	Log Missed Calls Option Restriction
	Description:	Log Missed Calls Option (DeviceNumPlanMap.LogMissedCalls) can only be enabled if the device product and protocol support the Log Missed Calls Option feature (typesupportsfeature = 92)
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap: IF (NOT default option) THEN SELECT count(*) INTO nRows FROM ProductSupportsFeature WHERE tksupportsfeature = 92 and tkproduct = (new_tkproduct) and tkdeviceprotocol IN (new_tkdeviceprotocol, 99); IF (nRows = 0) THEN throw exception; END IF; END IF;
	Error Message:	Log Missed Calls option can only be set for devices that support the feature.
	Remedy:	Make sure the product and protocol support setting Log Missed Calls options, or leave the setting at its default.

2.3.60.10 fknumplan (FI-316)

Type:	guid (Cascade Delete)	
Migration Source:	convert from NumPlan.DirectoryNumber	
Rule (RI-85):	Type:	Active (Delete)
	Rule Name:	Set unassociated DN IsCallable to False
	Description:	When the last association between a DN and a device or profile is removed, set the IsCallable field for the DN's NumPlan record to false.
	Test Condition:	ON DELETE from DeviceNumPlanMap IF (SELECT COUNT(*) FROM DeviceNumPlanMap WHERE (fkNumPlan = @NumPlan.pkid) = 0) THEN SET NumPlan.isCallable = 'F'
Rule (RI-86):	Type:	Validation (Insert/Update)
	Rule Name:	Associate DNs with Devices
	Description:	A Directory Number (NumPlan.tkPatternUsage = 2) can only be associated with Phones (including Device Profiles), CTI Route Points, and FXS Gateway Ports
	Test Condition:	?
Rule (RI-87):	Type:	Validation (Insert/Update)
	Rule Name:	Associate Route Pattern with Devices
	Description:	A Route Pattern (NumPlan.tkPatternUsage = 5) can only be associated with a single Gateway, Trunk, Hunt List or Route List.
	Test Condition:	?

Rule (RI-88):	Type:	Validation (Insert/Update)
	Rule Name:	Associate Hunt Pilot with Hunt List
	Description:	A Hunt Pilot (NumPlan.tkPatternUsage = 8) can only be associated with a single device which must be a Hunt List (Device.tkProduct = ?)
	Test Condition:	?
Rule (RI-91):	Type:	Validation (Insert/Update)
	Rule Name:	NumPlan Associated with Device
	Description:	Devices can only be associated with (DeviceNumPlanMap records may only reference NumPlan records for) DNs, Route Patterns and Hunt Pilots.
	Test Condition:	?
Rule (RI-92):	Type:	Validation (Insert/Update)
	Rule Name:	No CTI Device in Line Group
	Description:	CTI Ports and CTI Route Points may not be associated with DNs that are in Line Groups. (Temporary restriction pending CTI support for Line Groups and Hunt Lists.)
	Test Condition:	?
Rule (RI-93):	Type:	Validation (Insert/Update)
	Rule Name:	Shared Line Support Required
	Description:	If product support for shared line is not present, DN cannot be associated with more than one device.
	Test Condition:	IF (SELECT COUNT(*) FROM ProductSupportsFeature WHERE (tkSupportsFeature = 8) AND (tkProduct = @Device.tkProduct) = 0) AND (SELECT COUNT(*) FROM DeviceNumPlanMap WHERE (fkNumPlan = @NumPlan.pkid) > 1) THEN throw exception

Rule (RI-96):	Type:	Validation (Insert/Update)
	Rule Name:	AutoAnswer Device Support
	Description:	The AutoAnswer setting for a DN can only be on when the DN is associated with a Device (or Device Profile) type that supports the Auto Answer feature.
	Test Condition:	IF (NumPlan.tkAutoAnswer != 0) AND (SELECT COUNT (*) FROM ProductSupportsFeature WHERE (tkSupportsFeature = 7) AND (tkProduct = @Device.tkProduct) = 0) THEN throw exception
	Error Message:	AutoAnswer is not valid for this Directory Number because it is not associated with a device that supports the AutoAnswer feature.
	Remedy:	Set AutoAnswer to Off or associated the DN with a device that supports AutoAnswer and try again.
Rule (RI-171):	Type:	Validation (Insert/Update)
	Rule Name:	Multiple DeviceNumPlanMap for Shared DN Only
	Description:	DeviceNumPlanMap may contain multiple records with the same fkNumPlan only if the referenced NumPlan record is a DN (type = Device).
	Test Condition:	IF ((SELECT Count(*) FROM DeviceNumPlanMap WHERE fkNumPlan = @DeviceNumPlanMap.fkNumPlan) > 1 AND (SELECT tkPatternUsage FROM NumPlan WHERE pkid = @DeviceNumPlanMap.fkNumPlan) != 2) THEN throw exception
	Error Message:	Only directory numbers can be shared by more than one device.
	Remedy:	Check the type of NumPlan record you are associating with a device to make sure it is a DN, or if it is not a DN, check to make sure no other devices are associated with it.
Rule (RI-191):	Type:	Validation (Insert/Update)
	Rule Name:	Devices assoc. with RP have matching Dial Plan
	Description:	If a device record is associated with a Route Pattern via its presence in DeviceNumPlanMap then both the referred Dial Plans should match.
	Test Condition:	On INSERT/UPDATE in DeviceNumPlanMap IF (@fkNumPlan.tkPatternUsage = 5) AND (@fkDevice.fkDialPlan <> @fkDevice.fkDialPlan) THEN throw Exception
	Error Message:	The Dial Plan of the Device should match that of the associated Route Pattern
	Remedy:	Add the matching Dial Plan to the associated Device

Rule (RI-207):	Type:	Validation (Insert/Update)
	Rule Name:	Associate VM Port DN with Voice Mail Port device
	Description:	The NumPlan record associated with a Voice Mail Port device must be a VM Port DN (tkpatternusage = 8). VM Port cannot use a regular device DN (tkpatternusage = 2).
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap IF ((SELECT tkClass FROM Device WHERE pkid = @DeviceNumPlanMap.fkDevice) = 8) AND ((SELECT tkPatternUsage FROM NumPlan WHERE pkid = @DeviceNumPlanMap.fkNumPlan) <> 8) THEN throw exception
	Error Message:	Cannot associate a DN or Pattern that is not a Voice Mail DN with a Voice Mail Port.
	Remedy:	Make sure the DN or Pattern is a Voice Mail Port DN (not a regular device DN or other type of pattern).
Rule (RI-228):	Type:	Validation (Insert/Update)
	Rule Name:	ValidateFXSPortDN
	Description:	For CAT6K FXS ports. Model_Elvis type devices if there are more than one device/same dn associations in devicenumplanmap then its an error.
	Test Condition:	?
	Error Message:	FXS port is not shareable.
	Remedy:	?
Rule (RI-229):	Type:	Validation (Insert/Update)
	Rule Name:	ValidateDevNumPlanIndex
	Description:	A device (phone) cannot have the same line more than once.
	Test Condition:	ON INSERT/UPDATE INTO DeviceNumPlanMap IF (SELECT COUNT(*) INTO nRows FROM DeviceNumPlanMap WHERE (fkDevice = new_fkDevice) AND NumPlanIndex = new_NumPlanIndex) AND (fkPartitionUsage = new_tkPartitionUsage)) > 1 THEN throw exception;
	Error Message:	Duplicate phone line.
	Remedy:	?

Rule (RI-231):	Type:	Active (Insert)
	Rule Name:	ValidateInsertSucceeds
	Description:	If a record exists in devicenumplanmap then update the corresponding numplan record to set its isCallable field to true
	Test Condition:	?
	Error Message:	Could not update isCallable field for this numplan record.
	Remedy:	?
Rule (RI-232):	Type:	Active (Update)
	Rule Name:	checkIsCallableOnUpdate
	Description:	Set isCallable field in numplan to true or false based on the fact if that numplan is referenced in DeviceNumPlanMap table.
	Test Condition:	?
	Error Message:	resetIsCallable update did not succeed
	Remedy:	?
Rule (RI-266):	Type:	Validation (Insert/Update)
	Rule Name:	Assign numplan to class template for pattern_device
	Description:	A numplan record with (tkpatternusage = PATTERN_DEVICE_TEMPLATE) can only be assigned to a device of class template
	Test Condition:	?
	Error Message:	Could not associate fknumplan to fkdevice of class template
	Remedy:	?
Rule (RI-277):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	devicenumplanmap versionstamp
	Description:	on change to anything in devicenumplanmap table, update device versionstamp
	Test Condition:	update device

Rule (RI-366):	Type:	Validation (Insert/Update)
	Rule Name:	Intercom Line is not Shareable
	Description:	An Intercom DN can appear on only one real device (but can also appear on a device profile)
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap IF (SELECT COUNT(*) INTO nRows FROM DeviceNumPlanMap map INNER JOIN NumPlan ON NumPlan.pkid = map.fkNumPlan INNER JOIN Device ON Device.pkid = map.fkDevice WHERE NumPlan.tkPatternUsage = 13 AND Device.tkDeviceProfile = 0 AND map.fkNumPlan = new_fkNumPlan) > 1 THEN throw exception
	Error Message:	Intercom DNs cannot appear on multiple devices
	Remedy:	Create a separate Intercom DN for each device that requires intercom.
Rule (RI-419):	Type:	Validation (Insert/Update)
	Rule Name:	Intercom not compatible with Extension Mobility
	Description:	An Intercom DN cannot be configured for a User Device Profile, even if that profile has a phone button template with the Intercom Feature.
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap: SELECT tkpatternusage INTO patternusage FROM NUMPLAN WHERE pkid = new_fkNumPlan; SELECT tkDeviceProfile INTO profiletype FROM Device WHERE pkid = new_fkDevice; IF (patternusage = 13 AND profiletype <> 0) THEN throw exception END IF;
	Error Message:	Cannot assign an Intercom DN to a Device Profile or BAT Template
	Remedy:	Intercom DN is not compatible with Extension Mobility. Assign Intercom DN directly to phones.
Rule (RI-473):	Type:	Validation (Insert/Update)
	Rule Name:	DN restrictions for Protected device (secure tone)
	Description:	Do not allow a "protected" phone to have a shared line, and all lines on a protected phone must have max calls (and busy trigger) set to 1
	Test Condition:	ON INSERT/UPDATE IN Device, DeviceNumplanMap:
	Error Message:	Protected device can not support shared line.
	Remedy:	Protected device does not support shared line.

2.3.60.11 fkrecordingprofile (FI-3260)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Profile used for Call Recording if supported by associated device

Rule (RI-363):	Type:	Validation (Insert/Update)
	Rule Name:	Recording feature restriction
	Description:	The recording profile can only be set on a line if the device supports the Recording feature
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap IF (@fkRecordingProfile IS NOT NULL) AND (SELECT tkProduct from Device where pkid = @fkDevice) NOT IN (Select tkproduct from PSF where tkSupportsFeature = SUPPORTS_FEATURE_RECORD) THEN throw exception
	Error Message:	Recording is not supported on the device where this line appears
	Remedy:	Do not set a Recording Profile.

2.3.60.12 label (FI-288)

Type:	string [120]
Default Value:	EMPTY
Validation:	^[^"""]{0,30}$
Migration Source:	NULL
Remarks:	The text that appears for the line button (allows Unicode).

2.3.60.13 labelascii (FI-1788)

Type:	string [30]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+<>=,./:;?@^[_`{\|}~\\-]{0,30}$
Remarks:	A safe version of the Line Button Label using only English letters (a to Z) and punctuation.

2.3.60.14 logmissedcalls (FI-3712)

Type:	bool
Default Value:	TRUE
Remarks:	Determines whether missed calls on this line appearance are shown in the call history for the phone.

Rule (RI-488):	Type:	Validation (Insert/Update)
	Rule Name:	Log Missed Calls Option Restriction
	Description:	Log Missed Calls Option (DeviceNumPlanMap.LogMissedCalls) can only be enabled if the device product and protocol support the Log Missed Calls Option feature (typesupportsfeature = 92)
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap: IF (NOT default option) THEN SELECT count(*) INTO nRows FROM ProductSupportsFeature WHERE tksupportsfeature = 92 and tkproduct = (new_tkproduct) and tkdeviceprotocol IN (new_tkdeviceprotocol, 99); IF (nRows = 0) THEN throw exception; END IF; END IF;
	Error Message:	Log Missed Calls option can only be set for devices that support the feature.
	Remedy:	Make sure the product and protocol support setting Log Missed Calls options, or leave the setting at its default.

2.3.60.15 maxnumcalls (FI-1349)

Type:	long	
Default Value:	2	
Check Constraint:	(MaxNumCalls > 0)	
Rule (RFI-145):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPartitionUsage = 13
	Constraint:	(MaxNumCalls = 1)
	Remarks:	MaxNumCalls for an Intercom line must be set to 1
Rule (RI-80):	Type:	Default (Defines a default value)
	Rule Name:	Max Calls Default Setting
	Description:	Maximum Calls for a Line Appearance is calculated on a per-line basis as follows: If the device supports feature Multiple Call Display (ProductSupportsFeature.tkSupportsFeature = SUPPORTS_FEATURE_MULTIPLE_CALL_DISPLAY), defaults are read from the parameter in ProductSupportsFeature. The parameter indicates MaxCalls (total for device) : Default Max Calls : Default Busy Trigger. The default MaxCalls for a device that supports this feature is the lesser of a) the Default MaxCalls setting in the parameter value or b) the total MaxCalls for the device minus the sum of MaxCalls settings for all other lines on the current device (excluding the current line). If the feature is not supported, MaxCalls is set to 2.
	Test Condition:	SELECT ParamValue FROM ProductSupportsFeature WHERE (tkSupportsFeature = 30) AND (tkProduct = @Device.tkProduct)

Rule (RI-94):	Type:	Validation (Insert/Update)
	Rule Name:	Maximum MaxCalls Per Device/Line
	Description:	The upper limit for Maximum Calls for a Line Appearance (DeviceNumPlanMap.MaxCalls) is calculated on a per-line basis as follows: If the device supports feature Multiple Call Display (ProductSupportsFeature.tkSupportsFeature = SUPPORTS_FEATURE_MULTIPLE_CALL_DISPLAY), the limit is read from the parameter in ProductSupportsFeature. The parameter indicates MaxCalls (total for device) : Default Max Calls : Default Busy Trigger. The current value must be less than MaxCalls limit for the device minus the sum of MaxCalls configured for all lines on the phone excluding the current line. If Multiple Call Display is not supported, MaxCalls is set to 2
	Test Condition:	?
Rule (RI-473):	Type:	Validation (Insert/Update)
	Rule Name:	DN restrictions for Protected device (secure tone)
	Description:	Do not allow a "protected" phone to have a shared line, and all lines on a protected phone must have max calls (and busy trigger) set to 1
	Test Condition:	ON INSERT/UPDATE IN Device, DeviceNumplanMap:
	Error Message:	Protected device can not support shared line.
	Remedy:	Protected device does not support shared line.

2.3.60.16 numplanindex (FI-282)

Type:	long	
Migration Source:	NumPlan.Line	
Remarks:	While this is unique per device, there is no requirement for the index to be sequential nor to begin with a particular value per device.	
Rule (RI-86):	Type:	Validation (Insert/Update)
	Rule Name:	Associate DNs with Devices
	Description:	A Directory Number (NumPlan.tkPatternUsage = 2) can only be associated with Phones (including Device Profiles), CTI Route Points, and FXS Gateway Ports
	Test Condition:	?

Rule (RI-87):	Type:	Validation (Insert/Update)
	Rule Name:	Associate Route Pattern with Devices
	Description:	A Route Pattern (NumPlan.tkPatternUsage = 5) can only be associated with a single Gateway, Trunk, Hunt List or Route List.
	Test Condition:	?
Rule (RI-89):	Type:	Validation (Insert/Update)
	Rule Name:	Route Group Member Exclusion
	Description:	A Route Group cannot contain a device that already has an association to a Route Pattern, nor devices that are already members of a Route Group.
	Test Condition:	?
Rule (RI-90):	Type:	Validation (Insert/Update)
	Rule Name:	Gateway Port in Route Group
	Description:	If an individual port on a gateway is assigned to a Route Group, the entire device cannot be assigned to a Route Group, nor can it be associated with a Route Pattern. The remaining individual ports can be assigned to the same or a different Route Group.
	Test Condition:	?
Rule (RI-95):	Type:	Warning (Message for UI only)
	Rule Name:	Deleting Line 1 from Phone
	Description:	Warn user if Line 1 of a phone is not configured (or DN is removed)
	Test Condition:	IF (SELECT COUNT (*) FROM DeviceNumPlanMap WHERE (NumPlanIndex = 1) AND (fkDevice = @Device.pkid) = 0) THEN warn
	Error Message:	Deleting the directory number for Line 1 is not recommended because basic phone features require Line 1 to operate correctly.
	Remedy:	Add a new DN to Line 1 of this phone to ensure that the other lines on this phone will work properly.

Rule (RI-229):	Type:	Validation (Insert/Update)
	Rule Name:	ValidateDevNumPlanIndex
	Description:	A device (phone) cannot have the same line more than once.
	Test Condition:	ON INSERT/UPDATE INTO DeviceNumPlanMap IF (SELECT COUNT(*) INTO nRows FROM DeviceNumPlanMap WHERE (fkDevice = new_fkDevice) AND NumPlanIndex = new_NumPlanIndex) AND (fkPartitionUsage = new_tkPartitionUsage)) > 1 THEN throw exception;
	Error Message:	Duplicate phone line.
	Remedy:	?

2.3.60.17 pkid (FI-280)

Type:	guid (Unique, Indexed, Not Modifiable)	
Default Value:	newid()	
Migration Source:	generated, new table gets all records in NumPlan	
Remarks:	Unique ID to identify a record.	
Rule (RI-94):	Type:	Validation (Insert/Update)
	Rule Name:	Maximum MaxCalls Per Device/Line
	Description:	The upper limit for Maximum Calls for a Line Appearance (DeviceNumPlanMap.MaxCalls) is calculated on a per-line basis as follows: If the device supports feature Multiple Call Display (ProductSupportsFeature.tkSupportsFeature = SUPPORTS_FEATURE_MULTIPLE_CALL_DISPLAY), the limit is read from the parameter in ProductSupportsFeature. The parameter indicates MaxCalls (total for device) : Default Max Calls : Default Busy Trigger. The current value must be less than MaxCalls limit for the device minus the sum of MaxCalls configured for all lines on the phone excluding the current line. If Multiple Call Display is not supported, MaxCalls is set to 2
	Test Condition:	?
Rule (RI-225):	Type:	Active (Insert)
	Rule Name:	Increment DevNumPlanMap Ctiid
	Description:	On Insert only
	Test Condition:	?

Rule (RI-228):	Type:	Validation (Insert/Update)
	Rule Name:	ValidateFXSPortDN
	Description:	For CAT6K FXS ports. Model_Elvis type devices if there are more than one device/same dn associations in devicenumplanmap then its an error.
	Test Condition:	?
	Error Message:	FXS port is not shareable.
	Remedy:	?
Rule (RI-362):	Type:	Active (Insert)
	Rule Name:	Insert RecordDynamic record if recording is supported
	Description:	For each line on a device that supports Recording, insert a record in RecordDynamic with a reference back to the new DeviceNumPlanMap record
	Test Condition:	ON INSERT into DeviceNumPlanMap: INSERT INTO RecordDynamic (pkid, fkDeviceNumPlanMap) VALUES (newid(), @DeviceNumPlanMap.pkid)

2.3.60.18 speeddial (FI-3254)

Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL
Validation:	^[0-9*#+]{0,48}$
Remarks:	This is the number that the system dials when the user presses the feature (Intercom) button.

2.3.60.19 tkmwlpolicy (FI-1076)

Type:	enum	
Default Value:	0	
Rule (RFI-146):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPartitionUsage = 13
	Constraint:	(tkMWLPolicy = 0)
	Remarks:	MWL Policy cannot be set for an Intercom line

Rule (RI-287):	Type:	Validation (Insert/Update)
	Rule Name:	MWL Policy feature restriction
	Description:	MWL Policy can be set to non-default only on devices that support the Message Waiting Lamp Policy feature
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap IF (@tkMWLPolicy<>0) AND (SELECT tkProduct from Device where pkid = @fkDevice) NOT IN (Select tkproduct from PSF where tkSupportsFeature = SUPPORTS_FEATURE_MWL_POLICY) THEN throw exception
	Error Message:	Message Waiting Lamp Policy is not supported on the device where this line appears
	Remedy:	Use the default MWL Policy setting.

2.3.60.20 tkpartitionusage (FI-3253)

Type:	enum (Not Modifiable)
Default Value:	99
Remarks:	Identifies entries belonging to Line or Intercom features

Rule (RI-93):	Type:	Validation (Insert/Update)
	Rule Name:	Shared Line Support Required
	Description:	If product support for shared line is not present, DN cannot be associated with more than one device.
	Test Condition:	IF (SELECT COUNT(*) FROM ProductSupportsFeature WHERE (tkSupportsFeature = 8) AND (tkProduct = @Device.tkProduct) = 0) AND (SELECT COUNT(*) FROM DeviceNumPlanMap WHERE (fkNumPlan = @NumPlan.pkid) > 1) THEN throw exception
Rule (RI-94):	Type:	Validation (Insert/Update)
	Rule Name:	Maximum MaxCalls Per Device/Line
	Description:	The upper limit for Maximum Calls for a Line Appearance (DeviceNumPlanMap.MaxCalls) is calculated on a per-line basis as follows: If the device supports feature Multiple Call Display (ProductSupportsFeature.tkSupportsFeature = SUPPORTS_FEATURE_MULTIPLE_CALL_DISPLAY), the limit is read from the parameter in ProductSupportsFeature. The parameter indicates MaxCalls (total for device) : Default Max Calls : Default Busy Trigger. The current value must be less than MaxCalls limit for the device minus the sum of MaxCalls configured for all lines on the phone excluding the current line. If Multiple Call Display is not supported, MaxCalls is set to 2
	Test Condition:	?

Rule (RI-229):	Type:	Validation (Insert/Update)
	Rule Name:	ValidateDevNumPlanIndex
	Description:	A device (phone) cannot have the same line more than once.
	Test Condition:	ON INSERT/UPDATE INTO DeviceNumPlanMap IF (SELECT COUNT(*) INTO nRows FROM DeviceNumPlanMap WHERE (fkDevice = new_fkDevice) AND NumPlanIndex = new_NumPlanIndex) AND (fkPartitionUsage = new_tkPartitionUsage)) > 1 THEN throw exception;
	Error Message:	Duplicate phone line.
	Remedy:	?

2.3.60.21 tkringsetting (FI-575)

Type:	enum	
Default Value:	4	
Migration Source:	DeviceNumPlanMap.ringDisable	
Rule (RFI-147):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPartitionUsage = 13
	Constraint:	(tkRingSetting = 4)
	Remarks:	Ring Setting (Idle) cannot be set for an Intercom line
Rule (RI-175):	Type:	Validation (Insert/Update)
	Rule Name:	Ring Setting Options for Idle Device
	Description:	The options for Ring Setting on an idle phone do not include the beep option that is available when the phone is off-hook. Beep is not a valid option for the idle ring setting of a line (tkRingSetting), but is valid for the ring setting in active state (tkRingSetting_Consecutive).
	Test Condition:	IF (@DeviceNumPlanMap.tkRingSetting NOT IN (SELECT Enum FROM TypeRingSetting WHERE isLineCompatible = 1)) THEN throw exception
	Error Message:	The specified Ring Setting is not valid.
	Remedy:	Use a Ring Setting that is line compatible (TypeRingSetting.isLineCompatible = 1).

Rule (RI-288):	Type:	Validation (Insert/Update)
	Rule Name:	Ring Setting feature restriction
	Description:	Ring Settings can be set to non-default value only for devices that support the Disable Ring feature
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap IF (tkRingSetting<>0) OR (tkRingSetting_Consecutive<>0) AND (SELECT tkProduct from Device where pkid = @fkDevice) NOT IN (Select tkproduct from PSF where tkSupportsFeature = SUPPORTS_FEATURE_DISABLE_RING) THEN throw exception
	Error Message:	Ring settings are not supported on the device where this line appears.
	Remedy:	Use the default ring settings.

2.3.60.22 tkringsetting_activepickupalert (FI-3177)

Type:	enum (Null OK)
Default Value:	NULL
Check Constraint:	(tkRingSetting_ActivePickupAlert = 0) OR (tkRingSetting_ActivePickupAlert = 1) OR (tkRingSetting_ActivePickupAlert = 5)
Remarks:	Pickup Audio Alert Settings

Rule (RFI-149):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPartitionUsage = 13
	Constraint:	(tkRingSetting_ActivePickupAlert IS NULL)
	Remarks:	Ring Setting (Idle Pickup Alert) cannot be set for an Intercom line (must be NULL)
Rule (RI-350):	Type:	Validation (Insert/Update)
	Rule Name:	Ring Setting for Pickup Alert must be supported by device type
	Description:	Ring Setting for Pickup Alert can only be set on lines associated with devices that support the feature
	Test Condition:	ON INSERT/UPDATE in DeviceNumPlanMap: SELECT tkProduct, tkDeviceProtocol INTO product, protocol FROM Device WHERE pkid = new_fkDevice; SELECT count(*) INTO nRows FROM ProductSupportsFeature WHERE tkSupportsFeature = SUPPORTS_DISABLE_RING AND tkProduct = product AND tkProtocol IN (protocol, 99); IF (nRows = 0) AND (new_tkRingSetting_IdlePickupAlert IS NOT NULL) OR (new_tkRingSetting_ActivePickupAlert IS NOT NULL) THEN throw exception END IF;
	Error Message:	This device does not support the Pickup Alert feature

2.3.60.23 tkringsetting_consecutive (FI-1220)

Type:	enum (Null OK)	
Default Value:	0	
Rule (RFI-148):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPartitionUsage = 13
	Constraint:	(tkRingSetting_Consecutive IS NULL) OR (tkRingSetting_Consecutive = 0)
	Remarks:	Ring Setting (Active) cannot be set for an Intercom line
Rule (RI-288):	Type:	Validation (Insert/Update)
	Rule Name:	Ring Setting feature restriction
	Description:	Ring Settings can be set to non-default value only for devices that support the Disable Ring feature
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap IF (tkRingSetting<>0) OR (tkRingSetting_Consecutive<>0) AND (SELECT tkProduct from Device where pkid = @fkDevice) NOT IN (Select tkproduct from PSF where tkSupportsFeature = SUPPORTS_FEATURE_DISABLE_RING) THEN throw exception
	Error Message:	Ring settings are not supported on the device where this line appears.
	Remedy:	Use the default ring settings.

2.3.60.24 tkringsetting_idlepickupalert (FI-3178)

Type:	enum (Null OK)	
Default Value:	NULL	
Check Constraint:	(tkRingSetting_IdlePickupAlert =0) OR (tkRingSetting_IdlePickupAlert =1) OR (tkRingSetting_IdlePickupAlert =3)	
Remarks:	Pickup Audio Alert Settings	
Rule (RFI-150):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPartitionUsage = 13
	Constraint:	(tkRingSetting_IdlePickupAlert IS NULL)
	Remarks:	Ring Setting (Active Pickup Alert) cannot be set for an Intercom line (must be NULL)

	Rule (RI-350):	Type:	Validation (Insert/Update)
		Rule Name:	Ring Setting for Pickup Alert must be supported by device type
		Description:	Ring Setting for Pickup Alert can only be set on lines associated with devices that support the feature
		Test Condition:	ON INSERT/UPDATE in DeviceNumPlanMap: SELECT tkProduct, tkDeviceProtocol INTO product, protocol FROM Device WHERE pkid = new_fkDevice; SELECT count(*) INTO nRows FROM ProductSupportsFeature WHERE tkSupportsFeature = SUPPORTS_DISABLE_RING AND tkProduct = product AND tkProtocol IN (protocol, 99); IF (nRows = 0) AND (new_tkRingSetting_IdlePickupAlert IS NOT NULL) OR (new_tkRingSetting_ActivePickupAlert IS NOT NULL) THEN throw exception END IF;
		Error Message:	This device does not support the Pickup Alert feature

2.3.60.25 tkstatus_audiblemwi (FI-3277)

	Type:	enum	
	Default Value:	2	
	Remarks:	On/Off/Default setting for Audible Message Waiting Indication on a line appearance	
	Rule (RI-361):	Type:	Validation (Insert/Update)
		Rule Name:	Audible MWI feature restriction
		Description:	Audible MWI status can be set to non-default only on devices that support the Message Waiting Lamp Policy feature
		Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap IF (@tkMWLPolicy<>0) AND (SELECT tkProduct from Device where pkid = @fkDevice) NOT IN (Select tkproduct from PSF where tkSupportsFeature = SUPPORTS_FEATURE_MWL_POLICY) THEN throw exception
		Error Message:	Audible Message Waiting Indicator is not supported on the device where this line appears
		Remedy:	Use the default Audible MWI status setting.
Uniqueness:	fkdevice + fknumplan is unique. (MFI-6)		
Constraints:	Rule (RFI-109):	Type:	Inter-field Condition and Constraint
		Constraint:	BusyTrigger <= MaxNumCalls
		Remarks:	Busy Trigger must be less than or equal to Max Calls setting for a line appearance.

Rules:			
	Rule (RI-2):	Type:	Active (Insert) Rule applied when record is inserted.
		Rule Name:	Generate CTI ID value
		Description:	On insert of a new record generate a unique 32-bit integer value and store the result in the CTI ID field
		Test Condition:	On Insert
	Rule (RI-84):	Type:	Active (Insert/Update/Delete records) Rule applied when record is inserted or updated.
		Rule Name:	AutoAnswer Off for Shared Line
		Description:	If the number of devices (not including Extension Mobility Device Profiles) associated with a DN is greater than 1, the AutoAnswer setting must be OFF (0).
		Test Condition:	?
	Rule (RI-85):	Type:	Active (Delete) Rule applied when record is inserted or updated.
		Rule Name:	Set unassociated DN IsCallable to False
		Description:	When the last association between a DN and a device or profile is removed, set the IsCallable field for the DN's NumPlan record to false.
		Test Condition:	ON DELETE from DeviceNumPlanMap IF (SELECT COUNT(*) FROM DeviceNumPlanMap WHERE (fkNumPlan = @NumPlan.pkid) = 0) THEN SET NumPlan.isCallable = 'F'
	Rule (RI-93):	Type:	Validation (Insert/Update) Rule applied when record is inserted or updated.
		Rule Name:	Shared Line Support Required
		Description:	If product support for shared line is not present, DN cannot be associated with more than one device.
		Test Condition:	IF (SELECT COUNT(*) FROM ProductSupportsFeature WHERE (tkSupportsFeature = 8) AND (tkProduct = @Device.tkProduct) = 0) AND (SELECT COUNT(*) FROM DeviceNumPlanMap WHERE (fkNumPlan = @NumPlan.pkid) > 1) THEN throw exception

Rule (RI-94):	Type:	Validation (Insert/Update) Rule applied when record is inserted or updated.
	Rule Name:	Maximum MaxCalls Per Device/Line
	Description:	The upper limit for Maximum Calls for a Line Appearance (DeviceNumPlanMap.MaxCalls) is calculated on a per-line basis as follows: If the device supports feature Multiple Call Display (ProductSupportsFeature.tkSupportsFeature = SUPPORTS_FEATURE_MULTIPLE_CALL_DISPLAY), the limit is read from the parameter in ProductSupportsFeature. The parameter indicates MaxCalls (total for device) : Default Max Calls : Default Busy Trigger. The current value must be less than MaxCalls limit for the device minus the sum of MaxCalls configured for all lines on the phone excluding the current line. If Multiple Call Display is not supported, MaxCalls is set to 2
	Test Condition:	?
Rule (RI-101):	Type:	Active (Insert/Update/Delete records) Rule applied when record is updated. This table is modified by this rule.
	Rule Name:	Sync Device Profile on Device Changes
	Description:	If the information related to a device with an autogenerated device profile changes, and the enterprise parameter for autosync profiles is true, then the autogenerated device profile must be re-generated. This includes changes to the DeviceAddonModuleMap, Telecaster, Telecaster SubscribedServices, SpeedDial, and DeviceNumPlanMap tables.
	Test Condition:	(SELECT COUNT(*) FROM ProcessConfig WHERE (ParamName = 'AutosyncDeviceProfile') AND (ParamValue = 'T') > 0) AND (SELECT tkDeviceProfile FROM Device WHERE (pkid = @Device. ikDevice_DefaultDeviceProfile) = 2) AND (SELECT LoginTime FROM Device WHERE (pkid = @Device.pkid) != 0)
Rule (RI-170):	Type:	Active (Insert/Update/Delete records) Rule applied when record is deleted.
	Rule Name:	DN Not Callable when removed from last Device
	Description:	If a DN is no longer used by any device, it is automatically marked not callable in the database. The Administrator may then manually mark the DN callable again so that forwarding is enabled for that DN.
	Test Condition:	ON DELETE FROM DeviceNumPlanMap IF ((SELECT COUNT(*) FROM DeviceNumPlanMap WHERE DeviceNumPlanMap.fkNumPlan = @fkNumPlan) = 0) THEN UPDATE NumPlan SET IsCallable = 0 WHERE pkid = @fkNumPlan

Rule (RI-171):	Type:	Validation (Insert/Update) Rule applied when record is inserted.
	Rule Name:	Multiple DeviceNumPlanMap for Shared DN Only
	Description:	DeviceNumPlanMap may contain multiple records with the same fkNumPlan only if the referenced NumPlan record is a DN (type = Device).
	Test Condition:	IF ((SELECT Count(*) FROM DeviceNumPlanMap WHERE fkNumPlan = @DeviceNumPlanMap.fkNumPlan) > 1 AND (SELECT tkPatternUsage FROM NumPlan WHERE pkid = @DeviceNumPlanMap.fkNumPlan) != 2) THEN throw exception
	Error Message:	Only directory numbers can be shared by more than one device.
	Remedy:	Check the type of NumPlan record you are associating with a device to make sure it is a DN, or if it is not a DN, check to make sure no other devices are associated with it.
Rule (RI-212):	Type:	Validation (Insert/Update) Rule applied when record is inserted or updated.
	Rule Name:	Only one DN (line) associated with Pilot Point
	Description:	CTI Route Point used as Pilot Point may have only one associated DN (DeviceNumPlanMap record).
	Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMap IF (SELECT COUNT(*) FROM DeviceNumPlanMap WHERE DeviceNumPlanMap.fkDevice = Device.pkid) > 1 THEN throw exception.
	Error Message:	Pilot Point may have only one line (associated Directory Number).
	Remedy:	Remove existing DN from Pilot Point and try again.
Rule (RI-215):	Type:	Validation (Insert/Update) Rule applied when record is inserted or updated.
	Rule Name:	CTI Device lines must allow CTI Control
	Description:	The lines (NumPlan records) associated with a CTI Route Point or CTI Port must allow CTI Control. CTI Control can be restricted only for other non-CTI types of devices.
	Test Condition:	ON INSERT/UPDATE IN NumPlan, DeviceNumPlanMap IF (SELECT COUNT(*) FROM NumPlan n INNER JOIN DeviceNumPlanMap map ON n.pkid = map.fkNumPlan INNER JOIN Device d ON d.pkid = map.fkDevice WHERE n.pkid = @NumPlan.pkid AND n.AllowCTIControlFlag = FALSE AND d.tkModel IN (72,73)) > 0 THEN throw exception
	Error Message:	Cannot disable CTI Control on a line that is associated with a CTI Port or CTI Route Point.
	Remedy:	Allow CTI Control for the line (NumPlan record), or remove any association with CTI Port or CTI Route Point devices.

2.3.61 devicenumplanmapendusermap (TI-438)

Description:	Settings for SIP Publication of line status for presence

Fields:

2.3.61.1 fkdevicenumplanmap (FI-3274)

Type:	guid (Cascade Delete)
Remarks:	Line appearance being monitored for status

Rule (RI-365):

Type:	Validation (Insert/Update)
Rule Name:	Maximum 5 EndUsers per line appearance for SIP Publish
Description:	No more than 5 endusers can be associated with a line appearance (DeviceNumPlanMap record) for SIP Publish feature
Test Condition:	ON INSERT/UPDATE IN DeviceNumPlanMapEndUserMap: IF (SELECT COUNT(*) INTO nRows FROM DeviceNumPlanMapEndUserMap WHERE fkDeviceNumPlanMap = new_fkDeviceNumPlanMap) > 5 THEN throw exception
Error Message:	No more than 5 EndUsers can be subscribed to receive status for a line appearance.

2.3.61.2 fkenduser (FI-3275)

Type:	guid (Cascade Delete)
Remarks:	EndUser to whom status information is be published

2.3.61.3 pkid (FI-3273)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Uniqueness:	fkdevicenumplanmap + fkenduser is unique. (MFI-100)

2.3.62 devicenumplanmapremdestmap (TI-454)

Description:	Maps Remote Destinations to the template or dual mode phone lines with which they are used

Fields:		
	2.3.62.1 fkdevicenumplanmap (FI-3407)	
	Type:	guid (Cascade Delete)
	Remarks:	Line from template or Dual Mode phone that is used for Remote Destination
	2.3.62.2 fkremotedestination (FI-3406)	
	Type:	guid (Cascade Delete)
	Remarks:	Remote Destination using the line for Single Number Reach (SNR)
	2.3.62.3 pkid (FI-3405)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.63 devicepool (TI-13)

Description:	Common collections of device attributes	
Fields:	**2.3.63.1 connectionmonitorduration (FI-2096)**	
	Type:	long
	Default Value:	-1
	Check Constraint:	(ConnectionMonitorDuration >= -1) AND (ConnectionMonitorDuration <= 2592000)
	2.3.63.2 fkaarneighborhood (FI-3179)	
	Type:	guid (Null OK)
	Default Value:	NULL
	2.3.63.3 fkcallingsearchspace_aar (FI-3180)	
	Type:	guid (Null OK)
	Default Value:	NULL
	2.3.63.4 fkcallingsearchspace_autoregistration (FI-589)	
	Type:	guid (Null OK)
	Default Value:	NULL

Remarks:	This is the calling search space to assign to devices in this device pool that auto-registers with Cisco CallManager. The calling search space specifies partitions that devices can search when attempting to complete a call.

2.3.63.5 fkcallingsearchspace_cdpntransform (FI-3508)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	If useDevicePoolCdpnTransformCSS is set to True this transformation will be applied on the called party

2.3.63.6 fkcallingsearchspace_cgpnintl (FI-5120)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Calling Party International Number

2.3.63.7 fkcallingsearchspace_cgpnnational (FI-5119)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Calling Party National Number

2.3.63.8 fkcallingsearchspace_cgpnsubscriber (FI-5122)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Calling Party Subscriber Number

2.3.63.9 fkcallingsearchspace_cgpntransform (FI-3520)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Calling Party Transformation Number

2.3.63.10 fkcallingsearchspace_cgpnunknown (FI-5121)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Calling Party Unknown Number

2.3.63.11 fkcallingsearchspace_mobility (FI-3181)

Type:	guid (Null OK)

Default Value:	NULL

2.3.63.12 fkcallmanagergroup (FI-151)

Type:	guid
Migration Source:	convert from CallManagerGroup
Remarks:	This is the Cisco CallManager group to assign to devices in this device pool. A Cisco CallManager group specifies a prioritized list of up to three Cisco CallManagers. The first Cisco CallManager in the list serves as the primary Cisco CallManager for that group, and the other members of the group serve as backup Cisco CallManagers for redundancy.

2.3.63.13 fkdatetimesetting (FI-150)

Type:	guid
Migration Source:	convert from DateTimeGroup
Remarks:	This is the date/time group to assign to devices in this device pool. The date/time group specifies the time zone and the display formats for date and time.

2.3.63.14 fkdevicemobilitygroup (FI-3182)

Type:	guid (Null OK)
Default Value:	NULL

2.3.63.15 fkgeolocation (FI-5004)

Type:	guid (Null OK)
Default Value:	NULL

2.3.63.16 fkgeolocationfilter_lp (FI-5005)

Type:	guid (Null OK)
Default Value:	NULL

2.3.63.17 fklocation (FI-3183)

Type:	guid (Null OK)
Default Value:	NULL

2.3.63.18 fkmediaresourcelist (FI-995)

Type:	guid (Null OK)
Default Value:	NULL

Remarks:	This is the media resource group list associated with the device pool. A media resource group list specifies a prioritized list of media resource groups. An application selects the required media resource (for example, a music on hold server, transcoder, or conference bridge) from the available media resource groups according to the priority order that is defined in a media resource group list.

2.3.63.19 fkphysicallocation (FI-3184)

Type:	guid (Null OK)
Default Value:	NULL

2.3.63.20 fkregion (FI-149)

Type:	guid
Migration Source:	convert from Region
Remarks:	This is the Cisco CallManager region to assign to devices in this device pool. The Cisco CallManager region settings specify voice codec that can be used for calls within a region and between other regions.

2.3.63.21 fkroutegroup_local (FI-3507)

Type:	guid (Null OK)
Default Value:	NULL
Check Constraint:	fkRouteGroup_Local != '00000000-1111-0000-0000-000000000000'
Remarks:	RouteGroup used in Route/Hunt Lists where the special Local Route Group option is included

2.3.63.22 fksrst (FI-1218)

Type:	guid
Default Value:	CD241E11-4A58-4D3D-9661-F06C912A18A3
Remarks:	This is the survivable remote site telephony (SRST) reference to assign to devices in this device pool.

2.3.63.23 internationalprefix (FI-3517)

Type:	string [16]
Default Value:	Default
Validation:	^([0-9*#+]{0,16}|[Dd]efault)$
Remarks:	International Prefix

2.3.63.24 internationalstripdigits (FI-5116)

Type:	long (Null OK)
Default Value:	NULL
Check Constraint:	(InternationalStripDigits >= 0) AND (InternationalStripDigits <= 24)

Remarks:	International Strip Digits

2.3.63.25 name (FI-148)

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,50}$
Migration Source:	DevicePoolName
Remarks:	A unique name.

2.3.63.26 nationalprefix (FI-3516)

Type:	string [16]
Default Value:	Default
Validation:	^([0-9*#+]{0,16}|[Dd]efault)$
Remarks:	National Prefix

2.3.63.27 nationalstripdigits (FI-5115)

Type:	long (Null OK)
Default Value:	NULL
Check Constraint:	(NationalStripDigits >= 0) AND (NationalStripDigits <= 24)
Remarks:	National Strip Digits

2.3.63.28 pkid (FI-147)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
Rule (RI-216):	Type: Active (Insert/Update) Rule Name: device versionstamp Description: on change to anything in device xml file, update versionstamp Test Condition: update device

2.3.63.29 resettoggle (FI-3072)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset

Rule (RI-216):	Type:	Active (Insert/Update)
	Rule Name:	device versionstamp
	Description:	on change to anything in device xml file, update versionstamp
	Test Condition:	update device

2.3.63.30 subscriberprefix (FI-3519)

Type:	string [16]
Default Value:	Default
Validation:	^([0-9*#+]{0,16}|[Dd]efault)$
Remarks:	Subscriber Prefix

2.3.63.31 subscriberstripdigits (FI-5118)

Type:	long (Null OK)
Default Value:	NULL
Check Constraint:	(SubscriberStripDigits >= 0) AND (SubscriberStripDigits <= 24)
Remarks:	Subscriber Strip Digits

2.3.63.32 tkbarge (FI-3468)

Type:	enum
Default Value:	3

2.3.63.33 tkcountry (FI-1037)

Type:	enum (Null OK)
Default Value:	NULL

2.3.63.34 tkreset (FI-3073)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.63.35 tkrevertpriority (FI-3185)

Type:	enum
Default Value:	0

2.3.63.36 tkstatus_joinacrosslines (FI-3467)

	Type:	enum
	Default Value:	2
	2.3.63.37 unknownprefix (FI-3518)	
	Type:	string [16]
	Default Value:	Default
	Validation:	^([0-9*#+]{0,16}|[Dd]efault)$
	Remarks:	Unknown Prefix
	2.3.63.38 unknownstripdigits (FI-5117)	
	Type:	long (Null OK)
	Default Value:	NULL
	Check Constraint:	(UnknownStripDigits >= 0) AND (UnknownStripDigits <= 24)
	Remarks:	Unknown Strip Digits
	2.3.63.39 versionstamp (FI-3116)	
	Type:	string [47] (Null OK)
	Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
	Remarks:	New guid plus seconds past midnight 1970 are concatenated
	Rule (RI-216):	Type: Active (Insert/Update) This field is modified by this rule. Rule Name: device versionstamp Description: on change to anything in device xml file, update versionstamp Test Condition: update device
	Rule (RI-216):	Type: Active (Insert/Update) Rule Name: device versionstamp Description: on change to anything in device xml file, update versionstamp Test Condition: update device
Uniqueness:	No multicolumn uniqueness constraints	

2.3.64 devicepooldevicemobilityinfomap (TI-422)

Description:	Used for DeviceMobility.
Fields:	**2.3.64.1 fkdevicemobilityinfo (FI-3186)**
	Type: guid (Cascade Delete)
	2.3.64.2 fkdevicepool (FI-3187)
	Type: guid (Cascade Delete)
	2.3.64.3 pkid (FI-3188)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Migration Source: Generated
	Remarks: Unique ID to identify a record.
Uniqueness:	fkdevicemobilityinfo + fkdevicepool is unique. (MFI-97)

2.3.65 deviceprivacydynamic (TI-435)

Description:	Frequently updated settings for Privacy Insert/Delete is not allowed.		
Fields:	**2.3.65.1 datetimestamp (FI-3302)**		
	Type:	long	
	Default Value:	0	
	Rule (RI-400):	Type:	Active (Insert/Update)
		Rule Name:	Update the DateTimeStamp for Dynamic records
		Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
		Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
	Rule (RI-400):	Type:	Active (Insert/Update) This field is modified by this rule.
		Rule Name:	Update the DateTimeStamp for Dynamic records
		Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
		Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);

2.3.65.2 fkdevice (FI-3301)	
Type:	guid (Unique, Cascade Delete)
2.3.65.3 pkid (FI-3300)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.65.4 tkstatus_callinfoprivate (FI-1305)	
Type:	enum
Default Value:	2
Remarks:	display call info to caller?
Uniqueness:	No multicolumn uniqueness constraints

2.3.66 devicereset (TI-253)

Description:	For device reset functionality. Records inserted into this table will inform CCM to reset the device. Records may be modified only by installation and/or DB triggers.
Fields:	
2.3.66.1 devicepkid (FI-2098)	
Type:	guid (Not Modifiable, Null OK)
Default Value:	NULL
Remarks:	Set by DeviceReset stored procedure.
2.3.66.2 fkcallmanager (FI-2046)	
Type:	guid (Cascade Delete, Not Modifiable)
Remarks:	Set by DeviceReset stored procedures.
2.3.66.3 name (FI-1781)	
Type:	string [129] (Not Modifiable, Null OK)
Default Value:	EMPTY
Remarks:	Set by DeviceReset stored procedure.
2.3.66.4 pkid (FI-1780)	
Type:	guid (Unique, Indexed, Not Modifiable)

	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.66.5 resetgrouping (FI-3021)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record. will be same for all reset requests
	2.3.66.6 tkmodel (FI-1783)	
	Type:	enum (Not Modifiable)
	Remarks:	Set by DeviceReset stored procedure.
	2.3.66.7 tkreset (FI-1782)	
	Type:	enum (Not Modifiable)
	Remarks:	Set by DeviceReset stored procedure.
	2.3.66.8 tkresethandshake (FI-3018)	
	Type:	enum (Not Modifiable)
	Remarks:	Set the reset to ensure tftp reacts to it before actual device reset.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.67 devicetftpdynamic (TI-465)		
Description:	VersionStamp Mismatch Recovery	
Fields:	**2.3.67.1 fkdevice (FI-3470)**	
	Type:	guid (Unique, Indexed, Cascade Delete, Not Modifiable)
	Migration Source:	convert from DeviceName
	Remarks:	Points to the device record being "subclassed." Device.tkModel must be tkclass=1.
	2.3.67.2 pkid (FI-3469)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.67.3 rebuildtoggle (FI-3471)	

	Type:	bool
	Default Value:	FALSE
	Remarks:	Should this device be rebuilt
Uniqueness:	No multicolumn uniqueness constraints	

2.3.68 dhcpserver (TI-292)

Description: (not supported yet)DHCP server configuration

Fields:

2.3.68.1 arpcachetimeout (FI-2055)

Type:	long
Default Value:	0
Check Constraint:	(ARPCacheTimeout >=0) AND (ARPCacheTimeout < 1073741824)
Remarks:	server

2.3.68.2 domainname (FI-2034)

Type:	string [64]
Default Value:	EMPTY
Validation:	^[a-zA-Z 0-9._-]{1,64}$
Remarks:	domain name

2.3.68.3 domainnameserver1 (FI-2029)

Type:	string [17]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	IP Address for primary dns

2.3.68.4 domainnameserver2 (FI-2030)

Type:	string [17]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	IP Address for secondary dsn

2.3.68.5 fkprocessnode (FI-2028)

Type:	guid (Unique, Cascade Delete)
Remarks:	Associated server
2.3.68.6 ipaddrleasetime (FI-2056)	
Type:	long
Default Value:	0
Check Constraint:	(IPAddrLeaseTime >=0) AND (IPAddrLeaseTime < 1073741824)
Remarks:	server
2.3.68.7 nextserver (FI-2033)	
Type:	string [17]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	IP Address for the next server cisco tftp
2.3.68.8 pkid (FI-2026)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
2.3.68.9 t1 (FI-2057)	
Type:	long
Default Value:	0
Check Constraint:	(T1 >= 0) AND (T1 < 1073741824)
Remarks:	server
2.3.68.10 t2 (FI-2058)	
Type:	long
Default Value:	0
Check Constraint:	(T2 >= 0) AND (T2 < 1073741824)
Remarks:	server
2.3.68.11 tftpserver1 (FI-2031)	
Type:	string [17]

Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	IP Address for the primary cisco tftp

2.3.68.12 tftpserver2 (FI-2032)

Type:	string [17]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	IP Address for secondary cisco tftp

2.3.68.13 tftpservername (FI-2082)

Type:	string [64]
Default Value:	EMPTY
Validation:	^[0-9a-zA-Z._-]{0,64}$
Remarks:	tftp server name (option 150)

Uniqueness:	No multicolumn uniqueness constraints

2.3.69 dhcpsubnet (TI-293)

Description:	(not supported yet)DHCP subnet configuration

Fields:

2.3.69.1 arpcachetimeout (FI-2045)

Type:	long
Default Value:	0
Check Constraint:	(ARPCacheTimeout >= 0) AND (ARPCacheTimeout < 1073741824)
Remarks:	subnet

2.3.69.2 domainname (FI-2044)

Type:	string [64]
Default Value:	EMPTY
Validation:	^[a-zA-Z 0-9._-]{1,64}$
Remarks:	subnet

2.3.69.3 domainnameserver1 (FI-2083)

Type:	string [17]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	IP Address for primary dns

2.3.69.4 domainnameserver2 (FI-2084)

Type:	string [17]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	IP Address for secondary dsn

2.3.69.5 fkdhcpserver (FI-2035)

Type:	guid (Cascade Delete)
Remarks:	Associated server

2.3.69.6 ipaddrfrom1 (FI-2037)

Type:	string [17]
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	subnet

2.3.69.7 ipaddrfrom2 (FI-2038)

Type:	string [17]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	subnet

2.3.69.8 ipaddrleasetime (FI-2088)

Type:	long
Default Value:	0
Check Constraint:	(IPAddrLeaseTime >= 0) AND (IPAddrLeaseTime < 1073741824)
Remarks:	server

2.3.69.9 ipaddrto1 (FI-2039)

Type:	string [17]
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$

Remarks:	subnet

2.3.69.10 ipaddrto2 (FI-2040)

Type:	string [17]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	subnet

2.3.69.11 nextserver (FI-2089)

Type:	string [17]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	IP Address for the next server cisco tftp

2.3.69.12 pkid (FI-2027)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.69.13 router1 (FI-2041)

Type:	string [17]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	subnet

2.3.69.14 router2 (FI-2042)

Type:	string [17]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	subnet

2.3.69.15 subnet (FI-2036)

Type:	string [17]
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$

Remarks:	subnet
2.3.69.16 subnetmask (FI-2043)	
Type:	string [17]
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	subnet
2.3.69.17 t1 (FI-2091)	
Type:	long
Default Value:	0
Check Constraint:	(T1 >= 0) AND (T1 < 1073741824)
Remarks:	server
2.3.69.18 t2 (FI-2092)	
Type:	long
Default Value:	0
Check Constraint:	(T2 >= 0) AND (T2 < 1073741824)
Remarks:	server
2.3.69.19 tftpserver1 (FI-2085)	
Type:	string [17]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	IP Address for the primary cisco tftp (option 66)
2.3.69.20 tftpserver2 (FI-2086)	
Type:	string [17]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9][0-9]|[0-9])$
Remarks:	IP Address for secondary cisco tftp (option 66)
2.3.69.21 tftpservername (FI-2093)	
Type:	string [64]
Default Value:	EMPTY
Validation:	^[0-9a-zA-Z._-]{0,64}$

	Remarks:	tftp server name (option 150)
Uniqueness:	fkdhcpserver + subnet is unique. (MFI-69)	

2.3.70 dialplan (TI-107)

Description:	List of known dial plans Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.70.1 description (FI-552)**	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,50}$
	Migration Source:	automatic
	2.3.70.2 name (FI-550)	
	Type:	string [50] (Unique, Not Modifiable)
	Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{1,50}$
	Migration Source:	automatic
	2.3.70.3 pkid (FI-549)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.70.4 version (FI-3032)	
	Type:	string [15]
	Default Value:	1.1(0)
	Remarks:	Version number of the installed Dial Plan
Uniqueness:	No multicolumn uniqueness constraints	

2.3.71 dialplantag (TI-97)

Description:	Tag name for a portion of a directory number used by digit analysis Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.71.1 fkdialplan (FI-561)	
	Type:	guid (Cascade Delete, Not Modifiable)
	2.3.71.2 pkid (FI-392)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.71.3 suppressfromroutefilter (FI-762)	
	Type:	bool (Not Modifiable)
	Default Value:	FALSE
	Remarks:	Don't show this tag in RouteFilterMember.
	2.3.71.4 tag (FI-455)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Migration Source:	automatic
	2.3.71.5 tkoperator_max (FI-761)	
	Type:	enum (Not Modifiable)
	Default Value:	3
	Remarks:	Maximum value for operator in RouteFilterMember for this tag
Uniqueness:	tag + fkdialplan is unique. (MFI-23)	

2.3.72 dialrules (TI-330)

Description:	Dial Rules

Fields:

2.3.72.1 description (FI-2854)

Type:	string [100] (Null OK)
Default Value:	EMPTY
Remarks:	Description of the dial rule

2.3.72.2 isstandard (FI-2459)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Whether standard dial rule

2.3.72.3 name (FI-2457)

Type:	string [50] (Unique, Indexed)
Remarks:	Name of dial rule

2.3.72.4 pkid (FI-2456)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
Rule (RI-301):	Type: Active (Insert/Update) Rule Name: dialrules versionstamp Description: on change to anything in dialrules, update versionstamp in dialrules table Test Condition: update dialrules

2.3.72.5 resettoggle (FI-3074)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset
Rule (RI-301):	Type: Active (Insert/Update) Rule Name: dialrules versionstamp Description: on change to anything in dialrules, update versionstamp in dialrules table Test Condition: update dialrules

2.3.72.6 tkdialpattern (FI-2458)

Type:	enum
Default Value:	2
Remarks:	Pkid of Dial Pattern record

2.3.72.7 tkreset (FI-3075)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.72.8 versionstamp (FI-3117)

Type:	string [47] (Null OK)
Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
Remarks:	New guid plus seconds past midnight 1970 are concatenated
Rule (RI-301):	Type: Active (Insert/Update) This field is modified by this rule. Rule Name: dialrules versionstamp Description: on change to anything in dialrules, update versionstamp in dialrules table Test Condition: update dialrules
Rule (RI-301):	Type: Active (Insert/Update) Rule Name: dialrules versionstamp Description: on change to anything in dialrules, update versionstamp in dialrules table Test Condition: update dialrules

Uniqueness:	No multicolumn uniqueness constraints

2.3.73 dialrulespatternmap (TI-329)

Description:	DialRules Pattern Map

Fields:		
	2.3.73.1 description (FI-2871)	
	Type:	string [100] (Null OK)
	Default Value:	EMPTY
	Remarks:	Description of pattern on dial rule
	2.3.73.2 fkdialrules (FI-2453)	
	Type:	guid (Cascade Delete)
	Remarks:	Pkid of DialRules record
	Rule (RI-260):	Type: Active (Insert/Update/Delete records) Rule Name: dialrules versionstamp Description: on change to anything in dialrulespatternmap, patternparametermap, update versionstamp in dialrules table Test Condition: update dialrules
	2.3.73.3 pkid (FI-2452)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.73.4 selectionorder (FI-2455)	
	Type:	long
	Remarks:	Selection order
	2.3.73.5 tkpattern (FI-2454)	
	Type:	enum
	Remarks:	Enum of TypePattern record
Uniqueness:	No multicolumn uniqueness constraints	

2.3.74 digitalaccessbri (TI-223)

Description:	Digital access BRI information not in Device table

Fields:

2.3.74.1 acceptinboundrdnis (FI-1608)

Type:	bool
Default Value:	FALSE

2.3.74.2 calleriddn (FI-1587)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,32}$

2.3.74.3 dchannelenable (FI-1600)

Type:	bool
Default Value:	TRUE

2.3.74.4 displayie (FI-1605)

Type:	bool
Default Value:	FALSE

2.3.74.5 firstdelay (FI-1584)

Type:	long

2.3.74.6 fkdevice (FI-1575)

Type:	guid (Indexed, Cascade Delete)
Remarks:	device::tModel must be digital access

Rule (RI-104):

Type:	Validation (Insert/Update)
Rule Name:	DigitalAccessBri device
Description:	The records in DigitalAccessBri table must reference a device using DigitalAccessBri device protocol (10).
Test Condition:	DigitalAccessBri.fkDevice IN (SELECT pkid FROM Device where tkDeviceProtocol = 10)
Error Message:	DigitalAccessBri table may only reference devices with matching Device Protocol (DigitalAccessBri).
Remedy:	Correct the fkDevice value to refer to a Digital Access BRI device.

2.3.74.7 intradelay (FI-1585)

Type:	long

2.3.74.8 numberie (FI-1606)	
Type:	bool
Default Value:	FALSE
2.3.74.9 numdigits (FI-1580)	
Type:	long
Check Constraint:	((NumDigits >= 0) AND (NumDigits <= 32)) OR (NumDigits = 99)
2.3.74.10 pkid (FI-1574)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.74.11 prefix (FI-1578)	
Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL
Validation:	^[0-9*#+]{0,50}$
2.3.74.12 sendrestart (FI-1583)	
Type:	bool
2.3.74.13 setupnonisdnpiflag (FI-1607)	
Type:	bool
Default Value:	FALSE
2.3.74.14 sigdigits (FI-1579)	
Type:	bool
Default Value:	FALSE
Remarks:	Must be 1 if (NumDigits >= 0) AND (NumDigits <= 32), or 0 if (NumDigits = 99)
2.3.74.15 stablein4 (FI-2166)	
Type:	bool
Default Value:	FALSE
2.3.74.16 statuspoll (FI-1581)	
Type:	bool

2.3.74.17 stripcountout (FI-1586)

Type:	long

2.3.74.18 tkbriprotocol (FI-1576)

Type:	enum

2.3.74.19 tkcallingpartyselection (FI-1589)

Type:	enum
Remarks:	Source of the calling party number: originator = 1, first redirect = 2, last redirect = 3

2.3.74.20 tkclockreference (FI-1588)

Type:	enum
Remarks:	Indicates if the device sync up with the Network clock or use it's own clock for timing

2.3.74.21 tkcsuparam (FI-1591)

Type:	enum
Remarks:	TX-level CSU parameter for PRI interface

2.3.74.22 tkencode (FI-1592)

Type:	enum
Default Value:	1
Migration Source:	chanie

2.3.74.23 tkfdlchannel (FI-1603)

Type:	enum
Default Value:	0

2.3.74.24 tkframing (FI-1602)

Type:	enum
Default Value:	1

2.3.74.25 tknumberingplan_called (FI-1595)

Type:	enum
Default Value:	0

2.3.74.26 tknumberingplan_calling (FI-1596)

Type:	enum

Default Value:	0

2.3.74.27 tkpresentationbit (FI-1590)

Type:	enum
Remarks:	CLID presentationBit: allowed = 1, restricted = 2

2.3.74.28 tkpriofnumber_called (FI-1594)

Type:	enum
Default Value:	0

2.3.74.29 tkpriofnumber_calling (FI-1593)

Type:	enum
Default Value:	0

2.3.74.30 tktrunklevel (FI-1599)

Type:	enum
Default Value:	7

2.3.74.31 tktrunkpad_rx (FI-1597)

Type:	enum
Default Value:	32

2.3.74.32 tktrunkpad_tx (FI-1598)

Type:	enum
Default Value:	32

2.3.74.33 tktrunkselectionorder (FI-1577)

Type:	enum
Default Value:	1
Migration Source:	Direction

2.3.74.34 tkyellowalarm (FI-1604)

Type:	enum
Default Value:	1

2.3.74.35 tkzerosuppression (FI-1601)

Type:	enum

	Default Value:	0
Uniqueness:	No multicolumn uniqueness constraints	

2.3.75 digitalaccesspri (TI-14)

Description: Digital access PRI information not in Device table

Fields:

2.3.75.1 acceptinboundrdnis (FI-1087)

Type:	bool
Default Value:	TRUE

2.3.75.2 calleriddn (FI-56)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,32}$
Migration Source:	CallerID

2.3.75.3 dchannelenable (FI-710)

Type:	bool
Default Value:	TRUE

2.3.75.4 displayie (FI-775)

Type:	bool
Default Value:	TRUE

2.3.75.5 enableprotectedfacilityie (FI-3686)

Type:	bool
Default Value:	FALSE
Remarks:	Allows use of secure calls (on PRI E1 trunks only)

Rule (RFI-192):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPriProtocol <> 9
	Constraint:	(EnableProtectedFacilityIE = 'f')
	Remarks:	EnableProtectedFacilityIE can be True only for DigitalAccessPri gateways configured to use the PRI-EURO protocol

2.3.75.6 firstdelay (FI-53)

Type:	long
Default Value:	32
Migration Source:	FirstDelay

2.3.75.7 fkdevice (FI-42)

Type:	guid (Indexed, Cascade Delete)	
Migration Source:	convert from Device	
Remarks:	device::tModel must be digital access	
Rule (RI-28):	Type:	Active (Insert/Update)
	Rule Name:	Set QSIG on DigitalAccessPri device
	Description:	Update the QSIG setting on the Digital Access device whenever the PRI Protocol settings is changed from QSIG to non-QSIG, or non-QSIG to QSIG.
	Test Condition:	ON INSERT/UPDATE/DELETE IN DigitalAccessPRI IF (@tkPriProtocol <> tkPriProtol) THEN (set tkqsig on device where device.pkid = digitalaccesspri.fkdevice)
Rule (RI-40):	Type:	Validation (Update)
	Rule Name:	QSIG Protocol Change Restriction
	Description:	If a Digital Access PRI gateway is a member of a Route Group, the PRI Protocol of the gateway cannot be changed from a non-QSIG protocol to QSIG, or from a QSIG to non-QSIG PRI Protocol.
	Test Condition:	SELECT COUNT(*) FROM RouteGroupDeviceMap WHERE fkDevice = @Device.pkid AND Device.tkDeviceProtocol = 1
	Error Message:	Cannot change a QSIG device to a non-QSIG PRI Protocol while the device is a member of a Route Group.
	Remedy:	Remove the device from the Route Group to which it belongs and then change the PRI Protocol.

Rule (RI-105):	Type:	Validation (Insert/Update)
	Rule Name:	DigitalAccessPri device
	Description:	The records in DigitalAccessPri table must reference a device using DigitalAccessPri device protocol (1)
	Test Condition:	DigitalAccessPri.fkDevice IN (SELECT pkid FROM Device where tkDeviceProtocol = 1)
	Error Message:	DigitalAccessPri table may only reference devices with matching Device Protocol (DigitalAccessPri).
	Remedy:	Correct the fkDevice value to refer to a Digital Access PRI device.
Rule (RI-716):	Type:	Validation (Insert/Update)
	Rule Name:	G.Clear is not supported on the PRI interface on this type of gateway. Make sure EnableGClear is set to false and try again.
	Description:	G.Clear is not supported on the PRI interface on this type of gateway. Make sure EnableGClear is set to false and try again.
	Test Condition:	On Insert or Update DigitalAccessPri
	Error Message:	G.Clear is not supported on the PRI interface on this type of gateway. Make sure EnableGClear is set to false and try again.

2.3.75.8 gclearenable (FI-3483)

Type:	bool
Default Value:	FALSE
Remarks:	Enables G.Clear support for a PRI trunk (using values specified in G.Clear related Service Parameters)

Rule (RI-716):	Type:	Validation (Insert/Update)
	Rule Name:	G.Clear is not supported on the PRI interface on this type of gateway. Make sure EnableGClear is set to false and try again.
	Description:	G.Clear is not supported on the PRI interface on this type of gateway. Make sure EnableGClear is set to false and try again.
	Test Condition:	On Insert or Update DigitalAccessPri
	Error Message:	G.Clear is not supported on the PRI interface on this type of gateway. Make sure EnableGClear is set to false and try again.

2.3.75.9 interfaceidentifierpresent (FI-773)

Type:	bool
Default Value:	FALSE

2.3.75.10 interfaceidentifiervalue (FI-774)	
Type:	long
Default Value:	0
2.3.75.11 intradelay (FI-54)	
Type:	long
Default Value:	4
Migration Source:	IntraDelay
2.3.75.12 mcdnenable (FI-1180)	
Type:	bool
Default Value:	FALSE
2.3.75.13 numberie (FI-776)	
Type:	bool
Default Value:	TRUE
2.3.75.14 numdigits (FI-48)	
Type:	long
Check Constraint:	((NumDigits >= 0) AND (NumDigits <= 32)) OR (NumDigits = 99)
Migration Source:	NumDigits
2.3.75.15 passingprecedencelevelthroughuuie (FI-2167)	
Type:	bool
Default Value:	FALSE
2.3.75.16 pkid (FI-41)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
2.3.75.17 prefix (FI-46)	
Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL

Validation:	^[0-9*#+]{0,50}$
Migration Source:	Prefix
2.3.75.18 protocolprofile91nameonly (FI-2168)	
Type:	bool
Default Value:	FALSE
2.3.75.19 securityaccesslevel (FI-2169)	
Type:	long
Default Value:	2
Check Constraint:	(SecurityAccessLevel >= 0) AND (SecurityAccessLevel <= 99)
2.3.75.20 sendcallingnameinfacilityie (FI-1361)	
Type:	bool
Default Value:	FALSE
2.3.75.21 sendexleadingcharindispie (FI-1026)	
Type:	bool
Default Value:	TRUE
2.3.75.22 sendrestart (FI-52)	
Type:	bool
Default Value:	TRUE
Migration Source:	SendRestart
2.3.75.23 setupnonisdnpiflag (FI-992)	
Type:	bool
Default Value:	FALSE
2.3.75.24 sigdigits (FI-47)	
Type:	bool
Default Value:	FALSE
Migration Source:	SigDigits
Remarks:	Must be 1 if (NumDigits >= 0) AND (NumDigits <= 32), or 0 if (NumDigits = 99)
2.3.75.25 smdibaseport (FI-1221)	
Type:	long

Default Value:	0
Check Constraint:	(SMDIBasePort>= 0) AND (SMDIBasePort<= 4096)

2.3.75.26 span (FI-43)

Type:	long
Check Constraint:	(Span >= 0) AND (Span <= 1)
Migration Source:	Span

2.3.75.27 statuspoll (FI-49)

Type:	bool
Migration Source:	StatusPoll

2.3.75.28 stripcountout (FI-55)

Type:	long
Default Value:	0
Migration Source:	StripCountOut

2.3.75.29 tkasn1roseoidencoding (FI-3766)

Type:	enum
Default Value:	0

Rule (RI-583):

Type:	Validation (Insert/Update)
Rule Name:	DigitalAccessPRI.tkASN1RoseOidEncoding and DigitalAccessPRI.tkQSIGVariant Change Restriction
Description:	If tkPriProtocol is not enabled for qsigthen tkASN1RoseOidEncoding or tkQSIGVariant in the DigitalAccessPRI table should not be allowed to change from DEFAULT to NON DEFAULT
Test Condition:	ON INSERT or UPDATE in DigitalAccessPRI: SELECT count(enum) INTO nRows from typepriprotocol where enum = new.tkpriprotocol and isqsig = 't'; IF (nrows=0) throw exception END IF;
Error Message:	Cannot modify the value since qsig is not enabled for this device
Remedy:	Enable the QSIG and change the value

2.3.75.30 tkcallingpartyselection (FI-59)

Type:	enum
Default Value:	1
Migration Source:	CallingPartySelection

Remarks:	Source of the calling party number: originator = 1, first redirect = 2, last redirect = 3

2.3.75.31 tkclockreference (FI-58)

Type:	enum
Migration Source:	ClockReference
Remarks:	Indicates if the device sync up with the Network clock or use it's own clock for timing

2.3.75.32 tkconnectedpbx (FI-1334)

Type:	enum
Default Value:	0

2.3.75.33 tkcsuparam (FI-62)

Type:	enum
Migration Source:	CSUParam
Remarks:	TX-level CSU parameter for PRI interface

2.3.75.34 tkencode (FI-640)

Type:	enum
Default Value:	1

2.3.75.35 tkfdlchannel (FI-715)

Type:	enum
Default Value:	0

2.3.75.36 tkframing (FI-713)

Type:	enum
Default Value:	1

2.3.75.37 tknumberingplan_called (FI-687)

Type:	enum
Default Value:	0

2.3.75.38 tknumberingplan_calling (FI-688)

Type:	enum
Default Value:	0

2.3.75.39 tkpresentationbit_callingline (FI-1335)

Type:	enum
Default Value:	0
Migration Source:	PresentationBit
Remarks:	CLID presentationBit: allowed = 1, restricted = 2

2.3.75.40 tkpresentationbit_connectedline (FI-1333)

Type:	enum
Default Value:	0
Migration Source:	PresentationBit
Remarks:	CLID presentationBit: allowed = 1, restricted = 2

2.3.75.41 tkprichanie (FI-50)

Type:	enum
Default Value:	2
Migration Source:	ChanIE

2.3.75.42 tkpriofnumber_called (FI-674)

Type:	enum
Default Value:	0
Migration Source:	based on TypePriOfNumber

2.3.75.43 tkpriofnumber_calling (FI-673)

Type:	enum
Default Value:	0
Migration Source:	based on TypePriOfNumber

2.3.75.44 tkpriprotocol (FI-44)

Type:	enum
Migration Source:	Protocol

Rule (RI-28):	Type:	Active (Insert/Update)
	Rule Name:	Set QSIG on DigitalAccessPri device
	Description:	Update the QSIG setting on the Digital Access device whenever the PRI Protocol settings is changed from QSIG to non-QSIG, or non-QSIG to QSIG.
	Test Condition:	ON INSERT/UPDATE/DELETE IN DigitalAccessPRI IF (@tkPriProtocol <> tkPriProtol) THEN (set tkqsig on device where device.pkid = digitalaccesspri.fkdevice)
Rule (RI-40):	Type:	Validation (Update)
	Rule Name:	QSIG Protocol Change Restriction
	Description:	If a Digital Access PRI gateway is a member of a Route Group, the PRI Protocol of the gateway cannot be changed from a non-QSIG protocol to QSIG, or from a QSIG to non-QSIG PRI Protocol.
	Test Condition:	SELECT COUNT(*) FROM RouteGroupDeviceMap WHERE fkDevice = @Device.pkid AND Device. tkDeviceProtocol = 1
	Error Message:	Cannot change a QSIG device to a non-QSIG PRI Protocol while the device is a member of a Route Group.
	Remedy:	Remove the device from the Route Group to which it belongs and then change the PRI Protocol.
Rule (RI-583):	Type:	Validation (Insert/Update)
	Rule Name:	DigitalAccessPRI.tkASN1RoseOidEncoding and DigitalAccessPRI.tkQSIGVariant Change Restriction
	Description:	If tkPriProtocol is not enabled for qsigthen tkASN1RoseOidEncoding or tkQSIGVariant in the DigitalAccessPRI table should not be allowed to change from DEFAULT to NON DEFAULT
	Test Condition:	ON INSERT or UPDATE in DigitalAccessPRI: SELECT count(enum) INTO nRows from typepriprotocol where enum = new.tkpriprotocol and isqsig = 't'; IF (nrows=0) throw exception END IF;
	Error Message:	Cannot modify the value since qsig is not enabled for this device
	Remedy:	Enable the QSIG and change the value

2.3.75.45 tkqsigvariant (FI-3768)

Type:	enum
Default Value:	0

Rule (RI-583):	Type:	Validation (Insert/Update)
	Rule Name:	DigitalAccessPRI.tkASN1RoseOidEncoding and DigitalAccessPRI.tkQSIGVariant Change Restriction
	Description:	If tkPriProtocol is not enabled for qsigthen tkASN1RoseOidEncoding or tkQSIGVariant in the DigitalAccessPRI table should not be allowed to change from DEFAULT to NON DEFAULT
	Test Condition:	ON INSERT or UPDATE in DigitalAccessPRI: SELECT count(enum) INTO nRows from typepriprotocol where enum = new.tkpriprotocol and isqsig = 't'; IF (nrows=0) throw exception END IF;
	Error Message:	Cannot modify the value since qsig is not enabled for this device
	Remedy:	Enable the QSIG and change the value

2.3.75.46 tktrunklevel (FI-709)

Type:	enum
Default Value:	7

2.3.75.47 tktrunkpad_rx (FI-707)

Type:	enum
Default Value:	32

2.3.75.48 tktrunkpad_tx (FI-708)

Type:	enum
Default Value:	32

2.3.75.49 tktrunkselectionorder (FI-45)

Type:	enum
Default Value:	1
Migration Source:	Direction

2.3.75.50 tkyellowalarm (FI-717)

Type:	enum
Default Value:	1

2.3.75.51 tkzerosuppression (FI-711)

Type:	enum
Default Value:	0

Uniqueness:	No multicolumn uniqueness constraints

2.3.76 digitalaccesst1 (TI-15)

Description:	Digital access T1 information not in Device table

Fields:

2.3.76.1 fkdevice (FI-64)

Type:	guid (Indexed, Cascade Delete)
Migration Source:	convert from Device

Rule (RI-108):

Type:	Validation (Insert/Update)
Rule Name:	DigitalAccessT1 device
Description:	The records in DigitalAccessT1 table must reference a device using DigitalAccessT1 device protocol.
Test Condition:	DigitalAccessT1.fkDevice IN (SELECT pkid FROM Device where tkDeviceProtocol = 4)
Error Message:	DigitalAccessT1 table may only reference devices with matching Device Protocol (DigitalAccessT1).
Remedy:	Correct the fkDevice value to refer to an Digital Access T1 device.

2.3.76.2 handledtmfprecedencesignals (FI-1336)

Type:	bool
Default Value:	FALSE

2.3.76.3 pkid (FI-63)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.76.4 smdibaseport (FI-1222)

Type:	long
Default Value:	0
Check Constraint:	(SMDIBasePort>= 0) AND (SMDIBasePort<= 4096)

2.3.76.5 tkclockreference (FI-67)

Type:	enum

Migration Source:	ClockReference
2.3.76.6 tkcsuparam (FI-69)	
Type:	enum
Migration Source:	CSUParam
2.3.76.7 tkdigitsending (FI-1024)	
Type:	enum
Default Value:	0
Remarks:	DTMF or MF
2.3.76.8 tkencode (FI-66)	
Type:	enum
Migration Source:	EncodeType
2.3.76.9 tkfdlchannel (FI-716)	
Type:	enum
Default Value:	3
2.3.76.10 tkframing (FI-714)	
Type:	enum
Default Value:	1
2.3.76.11 tktrunkselectionorder (FI-65)	
Type:	enum
Migration Source:	TrunkSelectionOrder
2.3.76.12 tkyellowalarm (FI-718)	
Type:	enum
Default Value:	1
2.3.76.13 tkzerosuppression (FI-712)	
Type:	enum
Default Value:	0
Uniqueness:	No multicolumn uniqueness constraints

2.3.77 digitalaccesst1port (TI-16)

Description: Ports on a Digital Access T1

Fields:

2.3.77.1 attendantdn (FI-75)

Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL
Validation:	^[0-9*#+]{0,50}$
Migration Source:	AttendantNumber
Remarks:	If Inbound type call and Loop Start are Ground Start Attendant Number is needed

2.3.77.2 calleriddn (FI-90)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,32}$
Migration Source:	CallerId

2.3.77.3 endpointid (FI-563)

Type:	string [129]
Default Value:	EMPTY
Migration Source:	new
Remarks:	User may only change the PhysicalLocation and not @domain part. Default is PhysicalLocation from MGCPDeviceTable + portNum + @domain

2.3.77.4 expecteddigits (FI-79)

Type:	long
Check Constraint:	(ExpectedDigits >= 0) AND (ExpectedDigits <= 32)
Migration Source:	ExpectedDigits

2.3.77.5 fkdevice (FI-71)

Type:	guid (Indexed, Cascade Delete)
Migration Source:	convert from Device

Rule (RI-109):	Type:	Validation (Insert/Update)
	Rule Name:	DigitalAccessT1Port device
	Description:	The records in DigitalAccessT1Port table must reference a device using DigitalAccessT1 device protocol (4).
	Test Condition:	DigitalAccessT1Port.fkDevice IN (SELECT pkid FROM Device where tkDeviceProtocol = 4)
	Error Message:	DigitalAccessT1Port table may only reference devices with matching Device Protocol (DigitalAccessT1).
	Remedy:	Correct the fkDevice value to refer to an Digital Access T1 device.

2.3.77.6 inboundcalleridenable (FI-89)

Type:	bool
Migration Source:	InboundCallerIdEnable

2.3.77.7 numdigits (FI-77)

Type:	long
Check Constraint:	(NumDigits >= 0) AND (NumDigits <= 32)
Migration Source:	NumDigits
Remarks:	Maximum number of digits to collect. Collects least significant to NumDigits selected

2.3.77.8 pkid (FI-70)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.77.9 portnum (FI-72)

Type:	long
Migration Source:	PortNum
Remarks:	fkDevice+PortNum are unique; 1-24; 1-8 For Vega

2.3.77.10 prefix (FI-76)

Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL

Validation:	^[0-9*#+]{0,50}$
Migration Source:	Prefix
Remarks:	Prefix digits to apply in inbound call only.

2.3.77.11 sigdigits (FI-78)

Type:	bool
Migration Source:	SigDigits
Remarks:	Obsolete - NumDigits is always used. Flag to allow only certain amount of digits.

2.3.77.12 timer1 (FI-83)

Type:	long
Check Constraint:	Timer1>= 0
Migration Source:	Timer1
Remarks:	In Milliseconds

2.3.77.13 timer2 (FI-84)

Type:	long
Check Constraint:	Timer2>= 0
Migration Source:	Timer2
Remarks:	In Milliseconds

2.3.77.14 timer3 (FI-85)

Type:	long
Check Constraint:	Timer3>= 0
Migration Source:	Timer3
Remarks:	In Milliseconds

2.3.77.15 timer4 (FI-86)

Type:	long
Check Constraint:	Timer4>= 0
Migration Source:	Timer4
Remarks:	In Milliseconds

2.3.77.16 timer5 (FI-87)

Type:	long

Check Constraint:	Timer5>= 0
Migration Source:	Timer5
Remarks:	In Milliseconds

2.3.77.17 timer6 (FI-88)

Type:	long
Check Constraint:	Timer6>= 0
Migration Source:	Timer6
Remarks:	In Milliseconds

2.3.77.18 tkcallerid (FI-720)

Type:	enum
Default Value:	0

2.3.77.19 tkcallingpartyselection (FI-92)

Type:	enum
Migration Source:	CallingPartySelection
Remarks:	Source of the calling party number: originator = 1, first redirect = 2, last redirect = 3

2.3.77.20 tkdigitsending (FI-564)

Type:	enum
Default Value:	0
Remarks:	DTMF or MF

2.3.77.21 tkpresentationbit (FI-93)

Type:	enum
Migration Source:	PresentationBit
Remarks:	CLID presentationBit:allowed = 1, restricted = 2

2.3.77.22 tksilencesuppressionthreshold (FI-91)

Type:	enum
Migration Source:	SilenceSuppressionThreshold
Remarks:	in dbm0

2.3.77.23 tkstartdialprotocol (FI-625)

Type:	enum

Default Value:	0

2.3.77.24 tktrunk (FI-73)

Type:	enum
Migration Source:	PortType

2.3.77.25 tktrunkdirection (FI-74)

Type:	enum
Migration Source:	Direction
Remarks:	Inbound Outbound and Both are valid Directions. Outbound equates to DOD. Both only allowed on Ground Start (GS)

2.3.77.26 tktrunklevel (FI-80)

Type:	enum
Migration Source:	ApplicationType
Remarks:	used to set PAD level

2.3.77.27 tktrunkpad_rx (FI-81)

Type:	enum
Migration Source:	RxPad
Remarks:	+/- 32db

2.3.77.28 tktrunkpad_tx (FI-82)

Type:	enum
Migration Source:	TxPad
Remarks:	+/- 32db

2.3.77.29 unattendedport (FI-2848)

Type:	bool (Null OK)
Default Value:	FALSE

2.3.77.30 versionstamp (FI-2170)

Type:	string [47] (Not Modifiable, Null OK)
Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
Remarks:	New Guid is generated when the port XML change

	Rule (RI-261):	Type:	Active (Insert/Update)
		Rule Name:	digitalaccesst1port versionstamp
		Description:	on change to anything in digitalaccesst1port, update versionstamp
		Test Condition:	update digitalaccesst1port
	Rule (RI-261):	Type:	Active (Insert/Update) This field is modified by this rule.
		Rule Name:	digitalaccesst1port versionstamp
		Description:	on change to anything in digitalaccesst1port, update versionstamp
		Test Condition:	update digitalaccesst1port
	2.3.77.31 xml (FI-936)		
	Type:	string [24000] (Null OK)	
	Default Value:	NULL	
	Remarks:	Product configuration XML not used by CCM	
	Rule (RI-197):	Type:	Validation (Insert/Update) This field is modified by this rule.
		Rule Name:	DigitalAccessT1Port.xml validation
		Description:	Product specific information for each digitalAcces Gateway Port needs to be validated before storing in xml column. Validation is now performed using client side script at Admin pages. This involves reading the display instance xml (from scratch table) for the specific product, then for each parameter , read the corresponding rule xml record (scratch table) and validate the parameter value as defined in the rule.
		Test Condition:	On Insert/Update of DigitalAccessT1 port (T1CAS gatewy ports)
Uniqueness:	fkdevice + portnum is unique. (MFI-5)		

2.3.78 digitdiscardinstruction (TI-105)

Description:	Digit Discard Instruction clauses Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.78.1 clause (FI-694)	
	Type:	memo (Not Modifiable, Null OK)
	Default Value:	NULL
	2.3.78.2 digitanalysisid (FI-619)	
	Type:	long (Unique, Not Modifiable)
	2.3.78.3 fkdialplan (FI-547)	
	Type:	guid (Cascade Delete, Not Modifiable)
	Migration Source:	automatic
	2.3.78.4 name (FI-541)	
	Type:	string [50] (Not Modifiable)
	Migration Source:	automatic
	Remarks:	Removed Unique key constraint on name field
	2.3.78.5 pkid (FI-540)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.78.6 resettoggle (FI-3076)	
	Type:	bool
	Default Value:	FALSE
	Remarks:	Should this device or group be reset
	2.3.78.7 tkreset (FI-3077)	
	Type:	enum
	Default Value:	2
	Remarks:	Set by DeviceReset stored procedure.
Uniqueness:	name + fkdialplan is unique. (MFI-36)	

2.3.79 digitdiscardinstructionmember (TI-100)

Description:	List of tags per Digit Discard Instruction Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.79.1 fkdialplantag (FI-469)**
	Type: guid (Not Modifiable)
	Migration Source: automatic
	2.3.79.2 fkdigitdiscardinstruction (FI-468)
	Type: guid (Indexed, Cascade Delete, Not Modifiable)
	Migration Source: automatic
	2.3.79.3 pkid (FI-556)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Migration Source: Generated
	Remarks: Unique ID to identify a record.
Uniqueness:	fkdialplantag + fkdigitdiscardinstruction is unique. (MFI-20)

2.3.80 directorypluginattribute (TI-259)

Description:	attributes to be synced from LDAP server
Fields:	**2.3.80.1 dirobjectclassattrname (FI-1832)**
	Type: string [128]
	Default Value: EMPTY
	2.3.80.2 fkdirectorypluginconfig (FI-1831)
	Type: guid (Cascade Delete, Not Modifiable)
	2.3.80.3 pkid (FI-1830)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.80.4 tkldapserverattr (FI-1833)
	Type: enum

Uniqueness:	fkdirectorypluginconfig + tkldapserverattr is unique. (MFI-43)

2.3.81 directorypluginconfig (TI-249)

Description:	Configuration data for the corporate Directory connector

Fields:

2.3.81.1 agreementstatus (FI-1711)

Type:	long

2.3.81.2 connectedldaphost (FI-1899)

Type:	string [128]
Default Value:	EMPTY

2.3.81.3 fullsyncstatus (FI-1894)

Type:	long (Null OK)
Default Value:	-1

2.3.81.4 highestcommittedusn (FI-1828)

Type:	string [128]
Default Value:	EMPTY

2.3.81.5 incsyncstatus (FI-1777)

Type:	long (Null OK)
Default Value:	-1

2.3.81.6 invocationid (FI-1893)

Type:	string [128]
Default Value:	EMPTY

2.3.81.7 ldapdn (FI-1714)

Type:	string [128]
Default Value:	Manager Distinguished Name

2.3.81.8 ldappassword (FI-1715)

Type:	string [129]
Default Value:	9e1cb76005b4b718276f4f3662d11f4474dbf844c91298f70fa00d71a9151211

	Rule (RI-763):	Type:	Validation (Insert/Update)
		Rule Name:	LDAPPassword length restriction for DirectoryPluginConfig Table
		Description:	on insert/update to check the lenght of the ldappassword field and throw an error accordingly
		Test Condition:	On Insert to DirectoryPluginConfig
		Error Message:	The encrypted form of the password is too large to be stored. Use a shorter or less complex password.
	2.3.81.9 ldapsynchronizationbase (FI-1716)		
	Type:	string [256]	
	Default Value:	Search Base	
	2.3.81.10 name (FI-1962)		
	Type:	string [40] (Unique, Indexed)	
	2.3.81.11 pkid (FI-1710)		
	Type:	guid (Unique, Indexed, Not Modifiable)	
	Default Value:	newid()	
	Remarks:	Unique ID to identify a record.	
	2.3.81.12 syncnow (FI-1892)		
	Type:	long (Null OK)	
	Default Value:	0	
Uniqueness:	No multicolumn uniqueness constraints		

2.3.82 directorypluginhost (TI-260)

Description:	Host names of LDAP servers

Fields:		
	2.3.82.1 fkdirectorypluginconfig (FI-1835)	
	Type:	guid (Cascade Delete, Not Modifiable)
	2.3.82.2 hostname (FI-1836)	
	Type:	string [128]
	Default Value:	Host Name
	2.3.82.3 ldapportnumber (FI-1938)	
	Type:	long
	2.3.82.4 pkid (FI-1834)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.82.5 priority (FI-1837)	
	Type:	long
	2.3.82.6 sslenabled (FI-1901)	
	Type:	bool
	Default Value:	FALSE
Uniqueness:	fkdirectorypluginconfig + hostname is unique. (MFI-44)	

2.3.83 directorypluginschedule (TI-261)

Description:	Schedule for directory plugin task	
Fields:	**2.3.83.1 active (FI-1840)**	
	Type:	bool
	Default Value:	FALSE
	2.3.83.2 fkdirectorypluginconfig (FI-1839)	
	Type:	guid (Unique, Cascade Delete, Not Modifiable)
	2.3.83.3 intervalvalue (FI-1843)	
	Type:	long (Null OK)
	2.3.83.4 nextexectime (FI-1841)	

	Type:	string [32]
	Default Value:	EMPTY
	2.3.83.5 pkid (FI-1838)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.83.6 repeatable (FI-1842)	
	Type:	bool
	Default Value:	TRUE
	2.3.83.7 tkscheduleunit (FI-1844)	
	Type:	enum
	Default Value:	2
Uniqueness:	No multicolumn uniqueness constraints	

2.3.84 dirgroup (TI-231)		
Description:	Categorizes users and Application users	
Fields:	**2.3.84.1 isstandard (FI-2002)**	
	Type:	bool (Not Modifiable)
	Default Value:	FALSE
	Remarks:	Created during installation.
	2.3.84.2 name (FI-1662)	
	Type:	string [128] (Unique, Indexed)
	Validation:	^[a-zA-Z 0-9._-]{1,128}$
	2.3.84.3 pkid (FI-1661)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

Rules:	Rule (RI-201):	Type:	Validation (Update/Delete) Rule applied when record is inserted or updated.
		Rule Name:	Standard CCM Super Users Group Restriction
		Description:	The CCM Super Users Group must contain at least one application user at all times to prevent locking primary administrator out of the system.
		Test Condition:	ON DELETE FROM ApplicationUserDirGroupMap IF (DirGroup = 'CCM Super User') AND (SELECT COUNT(*) FROM ApplicationUserDirGroupMap = 0) THEN throw exception; ON UPDATE ApplicationUserDirGroupMap IF (DirGroup = 'CCM Super User') AND (old_fkDirGroup <> new_fkDirGroup) THEN throw exception
		Error Message:	CCM Super User Group must contain at least one application user at all times.
		Remedy:	Add another Application User to be the CCM Super User before removing the current user.

2.3.85 dmmsdevice (TI-416)

Description:	Cellular Subscriber data not in Device Table

Fields:

2.3.85.1 cnumber (FI-3144)

Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL
Validation:	^[0-9*#+]{0,50}$
Remarks:	Subscriber cellular number

2.3.85.2 disableappdialrules (FI-3142)

Type:	bool
Default Value:	FALSE

2.3.85.3 enablefollowme (FI-3145)

Type:	bool
Default Value:	TRUE

2.3.85.4 fkdevice (FI-3141)

Type:	guid (Unique, Indexed, Cascade Delete)

2.3.85.5 fkdevice_wsm (FI-3143)

	Type:	guid (Indexed, Cascade Delete)
	2.3.85.6 pkid (FI-3140)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.86 dnddynamic (TI-440)

Description:	Frequently updated settings for Do Not Disturb (DND) Insert/Delete is not allowed.		
Fields:	**2.3.86.1 datetimestamp (FI-3292)**		
	Type:	long	
	Default Value:	0	
	Remarks:	for replication and conflict resolution	
	Rule (RI-400):	Type:	Active (Insert/Update)
		Rule Name:	Update the DateTimeStamp for Dynamic records
		Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
		Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
	Rule (RI-400):	Type:	Active (Insert/Update) This field is modified by this rule.
		Rule Name:	Update the DateTimeStamp for Dynamic records
		Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
		Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
	2.3.86.2 dndstatus (FI-3291)		
	Type:	bool	
	Default Value:	FALSE	
	2.3.86.3 fkdevice (FI-3290)		

	Type:	guid (Unique, Cascade Delete)
	2.3.86.4 pkid (FI-3289)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.87 drfcomponent (TI-288)

Description:	Disater recovery framework status and dependacy	
Fields:	**2.3.87.1 fkprocessnodeservice (FI-2009)**	
	Type:	guid (Cascade Delete)
	Remarks:	Associated server
	2.3.87.2 id (FI-2013)	
	Type:	long
	Default Value:	0
	Remarks:	ID from registration
	2.3.87.3 ikdrfcomponent (FI-2012)	
	Type:	guid (Null OK)
	Default Value:	NULL
	Remarks:	service that must be started first
	2.3.87.4 pkid (FI-2010)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.87.5 tkdrfregistered (FI-2011)	
	Type:	enum
	Default Value:	0

	Remarks:	Registration status
Uniqueness:	No multicolumn uniqueness constraints	

2.3.88 drfscript (TI-289)

Description:	Disater recovery framework configured scripts

Fields:

2.3.88.1 fkdrfcomponent (FI-2014)

Type:	guid (Cascade Delete)
Remarks:	Registered drf component associated with script

2.3.88.2 name (FI-2017)

Type:	string [255] (Unique)
Validation:	^[a-zA-Z0-9._-]{1,255}$
Remarks:	script name

2.3.88.3 orderid (FI-2018)

Type:	long
Default Value:	0
Remarks:	order of scripts to be run per component during backup or restore

2.3.88.4 pkid (FI-2015)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.88.5 tkdrfscript (FI-2019)

Type:	enum
Default Value:	0
Remarks:	type backup or restore

Uniqueness:	No multicolumn uniqueness constraints

2.3.89 enduser (TI-228)

Description:	Lists the end users for the system
Fields:	

2.3.89.1 allowcticontrolflag (FI-3054)

Type:	bool
Default Value:	TRUE
Remarks:	If true, when a user logins to device, the device allows CTI Control.

2.3.89.2 assocpc (FI-10)

Type:	string [50]
Default Value:	EMPTY
Migration Source:	DeviceList.AssocPC
Remarks:	pingable DNS name (not dotted IP address)

2.3.89.3 building (FI-1803)

Type:	string [64]
Default Value:	EMPTY

2.3.89.4 deletedtimestamp (FI-1996)

Type:	long (Null OK)

2.3.89.5 department (FI-1648)

Type:	string [64]
Default Value:	EMPTY
Remarks:	User's department number.

2.3.89.6 enablemobilevoice (FI-3389)

Type:	bool
Default Value:	FALSE
Remarks:	Enable IVR/Two-stage Dialing access

2.3.89.7 enablemobility (FI-3409)

Type:	bool (Indexed)
Default Value:	FALSE
Remarks:	Indicates whether a user has been licensed to use Mobility (SNR) features

Rule (RI-394):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Licensing for Mobility uses DLUs for enabled EndUser
	Description:	Charge 2 Device License Units (DLUs) when mobility is enabled on a new or existing end user if there is an associated primary device, or 4 DLUs with no device; credit back DLUs when mobility is disabled or an End User is deleted who had mobility enabled when deleted, taking into account the associated primary device if needed.
	Test Condition:	ON INSERT/UPDATE/DELETE INTO EndUser: IF (Mode = 'I' AND new_EnableMobility = 'T') OR (Mode = 'U' AND old_EnableMobility = 'F' AND new_EnableMobility = 'T') THEN charge 2 DLUs with assoc. device, or 4 without; ELSE IF (Mode = 'D' AND old_EnableMobility = 'T') OR (Mode = 'U' AND old_EnableMobility = 'T' AND new_EnableMobility = 'F') THEN release 2 DLUs with associated device or 4 without; END IF
Rule (RI-408):	Type:	Active (Update)
	Rule Name:	EndUser.EnableMobility disabled deletes Remote Destinations
	Description:	If the EnableMobility flag for an EndUser is changed from true to false, any configured Remote Destinations for that EndUser are deleted.
	Test Condition:	ON UPDATE IN EndUser: IF (old_EnableMobility = 'T' AND new_EnableMobility = 'F') THEN FOREACH SELECT pkid INTO deviceID FROM device WHERE fkenduser_mobility = old_pkid DELETE FROM remotedestination WHERE fkdevice_remotedestinationtemplate = deviceID OR fkdevice_dualmode = deviceID; END FOREACH; END IF;

2.3.89.8 facsimiletelephonenumber (FI-1798)

Type:	string [64]
Default Value:	EMPTY

2.3.89.9 firstname (FI-1641)

Type:	string [64] (Indexed)
Default Value:	EMPTY
Remarks:	User's first name.

2.3.89.10 fkcallingsearchspace_restrict (FI-3053)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Pkid of CallingSearchSpace record for restriction

2.3.89.11 fkdirectorypluginconfig (FI-1940)

Type:	guid (Null OK)

2.3.89.12 fkmatrix_presence (FI-2483)	
Type:	guid
Default Value:	ad243d17-98b4-4118-8feb-5ff2e1b781ac
Remarks:	Pkid for Presence Group Matrix record. This is required for extension mobility. Appuser table does not need this because appuser cannot do extension mobility.
2.3.89.13 homephone (FI-1801)	
Type:	string [64]
Default Value:	EMPTY
2.3.89.14 lastname (FI-1643)	
Type:	string [64] (Indexed)
Remarks:	User's last name.
2.3.89.15 mailid (FI-1652)	
Type:	string [255]
Default Value:	EMPTY
2.3.89.16 manager (FI-1647)	
Type:	string [128]
Default Value:	EMPTY
Remarks:	Name of the user manager ID.
2.3.89.17 maxdeskpickupwaittime (FI-3390)	
Type:	long
Default Value:	10000
Check Constraint:	(MaxDeskPickupWaitTime >= 0) AND (MaxDeskPickupWaitTime <= 30000)
Remarks:	Max wait time for desk phone pickup in milliseconds
2.3.89.18 middlename (FI-1642)	
Type:	string [32]
Default Value:	EMPTY
Remarks:	User's middle name.
2.3.89.19 mobile (FI-1799)	
Type:	string [64]

Default Value:	EMPTY

2.3.89.20 nickname (FI-1960)

Type:	string [64]
Default Value:	EMPTY

2.3.89.21 ocsprimaryuseraddress (FI-3701)

Type:	string [447] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Corresponds to the msRTCSIP-primaryuseraddress field in Active Directory schema

2.3.89.22 pager (FI-1800)

Type:	string [64]
Default Value:	EMPTY

2.3.89.23 passwordreverse (FI-2460)

Type:	string [128] (Null OK)
Default Value:	69c4f936f9cdf45f6bbca2570c31215629bb5d6fb97493478b8ff3db6fffbc55
Validation:	^[a-fA-F0-9]{0,128}$
Remarks:	Used for digest authentication
Rule (RI-280):	Type: Active (Update) Rule Name: enduser versionstamp Description: on change to anything in enduser table, update device versionstamp Test Condition: update device

2.3.89.24 pkid (FI-1640)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Rule (RI-58):	Type:	Active (Insert/Update)
	Rule Name:	EndUser UserID Uniqueness and Length Restriction
	Description:	An EndUser userid cannot be the same as an AppUser Name. When an EndUser is inserted associate the user to default dirgroup CCM End Users. The Length of the EndUser Userid should not be more than 128 bytes
	Test Condition:	IF (EndUser.userid IN (SELECT Name FROM AppUser)) THEN throw exception
	Error Message:	EndUser userid already exists as an AppUser. EndUser userid cannot be the same as an AppUsers name and the length of userid can not exceed 128 bytes.
	Remedy:	Provide a unique userid for the EndUser that is not the same as an AppUser Name and the byte length is less than 128
Rule (RI-102):	Type:	Active (Delete)
	Rule Name:	Remove Deleted EndUser from Device and IMPA and Log Out User
	Description:	If an EndUser is deleted while they are still referenced in Device or IPMA settings or logged into a phone, the enduser references (fk's) must be removed and the enduser must be logged out before the user is deleted.
	Test Condition:	SET Device.fkEndUser = NULL where Device.fkEndUser = @deletedUser; SET Device. fkEndUser_LastLogin = NULL where Device.fkEndUser_LastLogin = @deletedUser; SET ikIPMALineInfo = NULL WHERE ikIPMALineInfo IN (SELECT pkid FROM IPMALineInfo WHERE fkEndUser = old_fkEndUser);
Rule (RI-280):	Type:	Active (Update)
	Rule Name:	enduser versionstamp
	Description:	on change to anything in enduser table, update device versionstamp
	Test Condition:	update device
Rule (RI-300):	Type:	Validation (Insert/Update/Delete)
	Rule Name:	Cannot insert or delete EndUser with Sync Enabled
	Description:	If Directory Synchronization is enabled, records may only be inserted, updated, or deleted by the sync tool. No user insert or delete is allowed. (See also rules 111 and 112 regarding individual fields for EndUser).
	Test Condition:	ON INSERT OR DELETE IF (LDAPSystemConfig.syncenabled = 't') THEN throw exception
	Error Message:	Cannot add or remove EndUsers because data is synchronized with Corporate Directory (master).

	Remedy:	Use the Corporate Directory to add or remove users. Cisco CallManager user information will be updated automatically during synchronization.
Rule (RI-394):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Licensing for Mobility uses DLUs for enabled EndUser
	Description:	Charge 2 Device License Units (DLUs) when mobility is enabled on a new or existing end user if there is an associated primary device, or 4 DLUs with no device; credit back DLUs when mobility is disabled or an End User is deleted who had mobility enabled when deleted, taking into account the associated primary device if needed.
	Test Condition:	ON INSERT/UPDATE/DELETE INTO EndUser: IF (Mode = 'I' AND new_EnableMobility = 'T') OR (Mode = 'U' AND old_EnableMobility = 'F' AND new_EnableMobility = 'T') THEN charge 2 DLUs with assoc. device, or 4 without; ELSE IF (Mode = 'D' AND old_EnableMobility = 'T') OR (Mode = 'U' AND old_EnableMobility = 'T' AND new_EnableMobility = 'F') THEN release 2 DLUs with associated device or 4 without; END IF
Rule (RI-397):	Type:	Active (Insert)
	Rule Name:	Automatically Insert Credentials (Password/Pin) records for EndUsers
	Description:	When an EndUser is inserted, automatically generate Credential records for Password and PIN using defaults specified in CredentialPolicyDefault table. Policy is not applied until Credential is updated for the first time.
	Test Condition:	ON INSERT INTO EndUser:
Rule (RI-407):	Type:	Validation (Update)
	Rule Name:	EndUser.RemoteDestinationLimit restriction on lower limit
	Description:	The EndUser Remote Destination Limit cannot be reduced below the number of existing number of Remote Destinations for the EndUser.
	Test Condition:	ON UPDATE IN EndUser: SELECT COUNT(*) INTO nRows FROM remotedestination rd INNER JOIN Device d ON (d.pkid = rd.fkdevice_remotedestinationtemplate) OR (d.pkid = rd. fkdevice_dualmode) WHERE d.fkenduser_mobility = new_pkid; IF (nRows > new_RemoteDestinationLimit) THEN throw exception END IF;
	Error Message:	Cannot lower RemoteDestinationLimit below the number of currently configured Remote Destinations associated with this EndUser.
	Remedy:	Use a higher limit, or remove existing Remote Desintations for this user, and try again.

Rule (RI-408):	Type:	Active (Update)
	Rule Name:	EndUser.EnableMobility disabled deletes Remote Destinations
	Description:	If the EnableMobility flag for an EndUser is changed from true to false, any configured Remote Destinations for that EndUser are deleted.
	Test Condition:	ON UPDATE IN EndUser: IF (old_EnableMobility = 'T' AND new_EnableMobility = 'F') THEN FOREACH SELECT pkid INTO deviceID FROM device WHERE fkenduser_mobility = old_pkid DELETE FROM remotedestination WHERE fkdevice_remotedestinationtemplate = deviceID OR fkdevice_dualmode = deviceID; END FOREACH; END IF;
Rule (RI-410):	Type:	Active (Delete)
	Rule Name:	EndUser delete causes associated Mobiltiy devices to be deleted
	Description:	When an EndUser is deleted, any Remote Destination Templates or Dual-Mode devices associated with the User are deleted.
	Test Condition:	ON DELETE FROM EndUser: DELETE FROM Device WHERE ((IsDualMode = 'T') OR (tkClass = 20)) AND (fkEndUser_Mobility = old_pkid);

2.3.89.25 remotedestinationlimit (FI-3412)

Type:	long	
Default Value:	4	
Check Constraint:	(RemoteDestinationLimit >= 1) AND (RemoteDestinationLimit <= 10)	
Remarks:	Max number of remote desintations associated with the EndUser (Mobility must also be enabled)	
Rule (RI-407):	Type:	Validation (Update)
	Rule Name:	EndUser.RemoteDestinationLimit restriction on lower limit
	Description:	The EndUser Remote Destination Limit cannot be reduced below the number of existing number of Remote Destinations for the EndUser.
	Test Condition:	ON UPDATE IN EndUser: SELECT COUNT(*) INTO nRows FROM remotedestination rd INNER JOIN Device d ON (d.pkid = rd.fkdevice_remotedestinationtemplate) OR (d.pkid = rd. fkdevice_dualmode) WHERE d.fkenduser_mobility = new_pkid; IF (nRows > new_RemoteDestinationLimit) THEN throw exception END IF;
	Error Message:	Cannot lower RemoteDestinationLimit below the number of currently configured Remote Destinations associated with this EndUser.
	Remedy:	Use a higher limit, or remove existing Remote Desintations for this user, and try again.

2.3.89.26 site (FI-1804)

Type:	string [64]
Default Value:	EMPTY

2.3.89.27 status (FI-1653)

Type:	long
Default Value:	1
Remarks:	Active or Inactive

2.3.89.28 telephonenumber (FI-1649)

Type:	string [64]
Default Value:	EMPTY
Remarks:	This is the telephone number as synchronized from a corporate directory. It typically is the outbound directory number. It is used for reporting purposes and if blank, applications should rely on the directory numbers assigned to phones associated with this user.

2.3.89.29 title (FI-1802)

Type:	string [64]
Default Value:	EMPTY

2.3.89.30 tkuserlocale (FI-1650)

Type:	enum (Null OK)
Remarks:	This is the Locale that is associated with the user. The user locale identifies a set of detailed information to support users, including language and font.

2.3.89.31 tkuserprofile (FI-2655)

Type:	enum
Default Value:	1
Remarks:	ID to identify whether a real user or a template user

Rule (RI-300):	Type:	Validation (Insert/Update/Delete)
	Rule Name:	Cannot insert or delete EndUser with Sync Enabled
	Description:	If Directory Synchronization is enabled, records may only be inserted, updated, or deleted by the sync tool. No user insert or delete is allowed. (See also rules 111 and 112 regarding individual fields for EndUser).
	Test Condition:	ON INSERT OR DELETE IF (LDAPSystemConfig.syncenabled = 't') THEN throw exception
	Error Message:	Cannot add or remove EndUsers because data is synchronized with Corporate Directory (master).
	Remedy:	Use the Corporate Directory to add or remove users. Cisco CallManager user information will be updated automatically during synchronization.
Rule (RI-394):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Licensing for Mobility uses DLUs for enabled EndUser
	Description:	Charge 2 Device License Units (DLUs) when mobility is enabled on a new or existing end user if there is an associated primary device, or 4 DLUs with no device; credit back DLUs when mobility is disabled or an End User is deleted who had mobility enabled when deleted, taking into account the associated primary device if needed.
	Test Condition:	ON INSERT/UPDATE/DELETE INTO EndUser: IF (Mode = 'I' AND new_EnableMobility = 'T') OR (Mode = 'U' AND old_EnableMobility = 'F' AND new_EnableMobility = 'T') THEN charge 2 DLUs with assoc. device, or 4 without; ELSE IF (Mode = 'D' AND old_EnableMobility = 'T') OR (Mode = 'U' AND old_EnableMobility = 'T' AND new_EnableMobility = 'F') THEN release 2 DLUs with associated device or 4 without; END IF

2.3.89.32 uniqueidentifier (FI-1959)

Type:	string [64] (Indexed)
Default Value:	EMPTY
Remarks:	It will be ObjectGUID from ActiveDirectory or ciscoatUniqueIdentifier for ND/iPLanet

2.3.89.33 userid (FI-1644)

Type:	string [132] (Unique, Indexed)
Remarks:	User identification name.

	Rule (RI-58):	Type:	Active (Insert/Update)
		Rule Name:	EndUser UserID Uniqueness and Length Restriction
		Description:	An EndUser userid cannot be the same as an AppUser Name. When an EndUser is inserted associate the user to default dirgroup CCM End Users. The Length of the EndUser Userid should not be more than 128 bytes
		Test Condition:	IF (EndUser.userid IN (SELECT Name FROM AppUser)) THEN throw exception
		Error Message:	EndUser userid already exists as an AppUser. EndUser userid cannot be the same as an AppUsers name and the length of userid can not exceed 128 bytes.
		Remedy:	Provide a unique userid for the EndUser that is not the same as an AppUser Name and the byte length is less than 128
	Rule (RI-280):	Type:	Active (Update)
		Rule Name:	enduser versionstamp
		Description:	on change to anything in enduser table, update device versionstamp
		Test Condition:	update device
Uniqueness:	No multicolumn uniqueness constraints		
Rules:	Rule (RI-102):	Type:	Active (Delete) Rule applied when record is deleted.
		Rule Name:	Remove Deleted EndUser from Device and IMPA and Log Out User
		Description:	If an EndUser is deleted while they are still referenced in Device or IPMA settings or logged into a phone, the enduser references (fk's) must be removed and the enduser must be logged out before the user is deleted.
		Test Condition:	SET Device.fkEndUser = NULL where Device.fkEndUser = @deletedUser; SET Device. fkEndUser_LastLogin = NULL where Device.fkEndUser_LastLogin = @deletedUser; SET ikIPMALineInfo = NULL WHERE ikIPMALineInfo IN (SELECT pkid FROM IPMALineInfo WHERE fkEndUser = old_fkEndUser);

2.3.90 enduserappservermap (TI-376)

Description:	Which App servers service which end user(s)

Fields:	**2.3.90.1 content (FI-2775)**		
	Type:	text (Null OK)	
	Rule (RI-314):	Type:	Active (Delete)
		Rule Name:	cascade delete in NumPlanASMap
		Description:	on enduserASMap delete, delete NumPlanASMap
		Test Condition:	delete enduserASMap record
	2.3.90.2 fkappserver (FI-2774)		
	Type:	guid (Cascade Delete)	
	2.3.90.3 fkenduser (FI-2773)		
	Type:	guid (Cascade Delete)	
	2.3.90.4 pkid (FI-2772)		
	Type:	guid (Unique, Indexed, Not Modifiable)	
	Default Value:	newid()	
	Remarks:	Unique ID to identify a record.	
Uniqueness:	No multicolumn uniqueness constraints		

2.3.91 endusercapfmap (TI-354)

Description:	1-N relation between End User to CAPF		
Fields:	**2.3.91.1 authenticationstring (FI-2634)**		
	Type:	string [50]	
	Default Value:	EMPTY	
	2.3.91.2 fkenduser (FI-2642)		
	Type:	guid (Indexed, Cascade Delete, Not Modifiable)	
	Migration Source:	EndUser.pkid	
	2.3.91.3 instanceid (FI-2643)		
	Type:	string [128] (Unique, Indexed, Not Modifiable)	
	Default Value:	newid()	
	Validation:	^[a-zA-Z0-9]{1,128}$	

Remarks:	To distinguish multiplicity for a single user.
Rule (RI-321):	

Type:	Validation (Insert/Update)
Rule Name:	InstanceID unique across App and EndUserCAPFMaps
Description:	InstanceID must be unique across both UserCAPFMap tables (ApplicationUserCAPFMap and EndUserCAPFMap)
Test Condition:	ON INSERT/UPDATE IN ApplicationUserCAPFMap OR EndUserCAPFMap IF (SELECT COUNT(*) FROM <table> WHERE lower(InstanceID) = lower(@instanceID)) > 1 THEN throw exception
Error Message:	Cannot insert duplicate instance ID in EndUserCAPFMap or ApplicationUserCAPFMap
Remedy:	Make sure the instance ID is unique across both the Application and End-User CAPF instances and try again.

2.3.91.4 packetcaptureduration (FI-2633)

Type:	long (Null OK)
Default Value:	0

2.3.91.5 pkid (FI-2641)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
Rule (RI-374):	

Type:	Active (Insert)
Rule Name:	Insert Dynamic Records for EndUserCAPFMap Table
Description:	When an End User is mapped to a credentials (CAPF record), insert a record for the frequently updated fields
Test Condition:	ON INSERT INTO EndUserCAPFMap

2.3.91.6 subjectname (FI-2881)

Type:	string [128]
Default Value:	EMPTY
Remarks:	Subject name of the certificate

2.3.91.7 tkauthenticationmode (FI-2637)

Type:	enum
Default Value:	2

2.3.91.8 tkcertificate (FI-2639)	
Type:	enum
Default Value:	0
2.3.91.9 tkcertificateoperation (FI-2640)	
Type:	enum
Default Value:	1
Remarks:	Certificate Operation
2.3.91.10 tkcertificatestatus (FI-2635)	
Type:	enum
Default Value:	1
2.3.91.11 tkkeysize (FI-2638)	
Type:	enum
Default Value:	2
2.3.91.12 tkpacketcapturemode (FI-2632)	
Type:	enum
Default Value:	0
2.3.91.13 upgradefinishtime (FI-2636)	
Type:	string [50]
Default Value:	EMPTY
Uniqueness:	fkenduser + instanceid is unique. (MFI-83)

2.3.92 endusercapfmapdynamic (TI-443)

Description:	Frequently updated settings for End User CAPF settings

Fields:

2.3.92.1 datetimestamp (FI-3314)

Type:	long
Default Value:	0
Rule (RI-400):	Type: Active (Insert/Update) Rule Name: Update the DateTimeStamp for Dynamic records Description: When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value Test Condition: ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
Rule (RI-400):	Type: Active (Insert/Update) This field is modified by this rule. Rule Name: Update the DateTimeStamp for Dynamic records Description: When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value Test Condition: ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);

2.3.92.2 fkendusercapfmap (FI-3313)

Type:	guid (Unique, Cascade Delete)

2.3.92.3 fkprocessnode (FI-2880)

Type:	guid (Null OK)
Default Value:	NULL
Check Constraint:	fkProcessNode != '00000000-1111-0000-0000-000000000000'
Remarks:	The server to which this user, with this certificate, has opened a CTI provider.

2.3.92.4 pkid (FI-3312)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.92.5 userstate (FI-3017)

Type:	long
Default Value:	0

Uniqueness: No multicolumn uniqueness constraints

2.3.93 enduserdevicemap (TI-229)

Description:	Control association between users and devices (many to many)

Fields:

2.3.93.1 defaultprofile (FI-1657)

Type:	bool
Default Value:	FALSE
Remarks:	This device is the default EM profile for this user.

Rule (RI-185):

Type:	Validation (Insert/Update)
Rule Name:	End User Default Device Profile Restriction
Description:	The Default Device Profile for an End User must be a User Device Profile (DEVICE_PROFILE_USER_PROFILE), not a real device or autogenerated profile.
Test Condition:	IF (SELECT tkDeviceProfile FROM Device WHERE pkid = @EndUserDeviceMap.fkDevice) != 1 THEN throw exception
Error Message:	The Default Profile for an End User must be a User Device Profile.
Remedy:	Check the Device Profile type of the specified device is User Device Profile and try again.

Rule (RI-186):

Type:	Active (Insert/Update/Delete records) This field is modified by this rule.
Rule Name:	Set End User Default Profile on change
Description:	When an End User's associated Device Profile is made the default for that user, any previous default profile must be set to non-default. Rule must fire AFTER determining that current device is a valid default profile.
Test Condition:	IF (@EndUserDeviceMap.defaultprofile = TRUE) THEN (UPDATE EndUserDeviceMap SET defaultprofile = FALSE WHERE fkEndUser = @EndUserDeviceMap.fkEndUser AND fkDevice != @EndUserDeviceMap.fkDevice)

2.3.93.2 description (FI-1936)

Type:	string [200]
Default Value:	EMPTY
Validation:	^[^"""]{0,50}$
Remarks:	User-entered description of a controlled device (allows Unicode).

2.3.93.3 fkdevice (FI-1656)

Type:	guid (Cascade Delete)	
Rule (RI-185):	Type:	Validation (Insert/Update)
	Rule Name:	End User Default Device Profile Restriction
	Description:	The Default Device Profile for an End User must be a User Device Profile (DEVICE_PROFILE_USER_PROFILE), not a real device or autogenerated profile.
	Test Condition:	IF (SELECT tkDeviceProfile FROM Device WHERE pkid = @EndUserDeviceMap.fkDevice) != 1 THEN throw exception
	Error Message:	The Default Profile for an End User must be a User Device Profile.
	Remedy:	Check the Device Profile type of the specified device is User Device Profile and try again.
Rule (RI-281):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	enduserdevicemap versionstamp
	Description:	on change to anything in enduserdevicemap table, update device versionstamp
	Test Condition:	update device
Rule (RI-327):	Type:	Validation (Insert/Update)
	Rule Name:	No more than one EndUser Associated to device for Digest In
	Description:	Only one user may be specified as the user for Digest In association
	Test Condition:	ON INSERT/UPDATE IN EndUserDeviceMap IF (SELECT COUNT(*) FROM EndUserDeviceMap WHERE fkDevice = @deviceID AND tkUserAssociation = 3) > 1 THEN throw exception
	Error Message:	Cannot associate multiple users with a device for Digest In
	Remedy:	Make sure the User and Device are correct and try again.
Rule (RI-478):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	EndUserDeviceMap Association for Mobility Licensing
	Description:	When an association for Mobility Primary Device (tkuserassociation=6) is inserted or updated, validate the device to make sure it uses at least 2 DLUs, and that there is not another primary device for the mobility user. If mobility is enabled, adjust the DLUs (check in 2 DLU for new association) On delete, check out 2 DLU if the EndUser still exists (not cascade delete) and has Mobility enabled;
	Test Condition:	ON INSERT/UPDATE/DELETE IN EndUserDeviceMap: IF (tkuserassociation = 6) THEN validate and adjust license count END IF;

2.3.93.4 fkenduser (FI-1655)

Type:	guid (Cascade Delete)	
Rule (RI-327):	Type:	Validation (Insert/Update)
	Rule Name:	No more than one EndUser Associated to device for Digest In
	Description:	Only one user may be specified as the user for Digest In association
	Test Condition:	ON INSERT/UPDATE IN EndUserDeviceMap IF (SELECT COUNT(*) FROM EndUserDeviceMap WHERE fkDevice = @deviceID AND tkUserAssociation = 3) > 1 THEN throw exception
	Error Message:	Cannot associate multiple users with a device for Digest In
	Remedy:	Make sure the User and Device are correct and try again.
Rule (RI-478):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	EndUserDeviceMap Association for Mobility Licensing
	Description:	When an association for Mobility Primary Device (tkuserassociation=6) is inserted or updated, validate the device to make sure it uses at least 2 DLUs, and that there is not another primary device for the mobility user. If mobility is enabled, adjust the DLUs (check in 2 DLU for new association) On delete, check out 2 DLU if the EndUser still exists (not cascade delete) and has Mobility enabled;
	Test Condition:	ON INSERT/UPDATE/DELETE IN EndUserDeviceMap: IF (tkuserassociation = 6) THEN validate and adjust license count END IF;

2.3.93.5 pkid (FI-1654)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.93.6 tkuserassociation (FI-2484)

Type:	enum	
Rule (RI-327):	Type:	Validation (Insert/Update)
	Rule Name:	No more than one EndUser Associated to device for Digest In
	Description:	Only one user may be specified as the user for Digest In association
	Test Condition:	ON INSERT/UPDATE IN EndUserDeviceMap IF (SELECT COUNT(*) FROM EndUserDeviceMap WHERE fkDevice = @deviceID AND tkUserAssociation = 3) > 1 THEN throw exception
	Error Message:	Cannot associate multiple users with a device for Digest In
	Remedy:	Make sure the User and Device are correct and try again.

	Rule (RI-478):	Type:	Active (Insert/Update/Delete records)
		Rule Name:	EndUserDeviceMap Association for Mobility Licensing
		Description:	When an association for Mobility Primary Device (tkuserassociation=6) is inserted or updated, validate the device to make sure it uses at least 2 DLUs, and that there is not another primary device for the mobility user. If mobility is enabled, adjust the DLUs (check in 2 DLU for new association) On delete, check out 2 DLU if the EndUser still exists (not cascade delete) and has Mobility enabled;
		Test Condition:	ON INSERT/UPDATE/DELETE IN EndUserDeviceMap: IF (tkuserassociation = 6) THEN validate and adjust license count END IF;
Uniqueness:	fkdevice + fkenduser + tkuserassociation is unique. (MFI-80)		

2.3.94 enduserdirgroupmap (TI-232)

Description:	Many to many relationship between EndUser and DirGroup	
Fields:	**2.3.94.1 fkdirgroup (FI-1665)**	
	Type:	guid (Cascade Delete)
	2.3.94.2 fkenduser (FI-1664)	
	Type:	guid (Cascade Delete)
	2.3.94.3 pkid (FI-1663)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	fkdirgroup + fkenduser is unique. (MFI-74)	

2.3.95 enduserlicense (TI-418)

Description:	Licensable feature for end users

Fields:

2.3.95.1 enablecupc (FI-3163)

Type:	bool
Default Value:	FALSE
Remarks:	This defines the user as licensed to use Cisco Unified Personal Client if a CUPS server is present. Will request a license from the PHONE_UNIT pool. Without CUPC enabled, users are not able to log into CUPS via UPC client.
Rule (RI-344):	

Type:	Active (Insert/Update/Delete records)
Rule Name:	Do end user license requests
Description:	Acquires/releases licenses from the PHONE_UNITS pool when features are enabled/disabled for an end user
Test Condition:	ON INSERT/UPDATE/DELETE IN EndUserLicense IF(enableCUPS = 'f' and enableCUPC = 't') THEN THROW EXCEPTION
Error Message:	CUPC can not be enabled when CUPS is not enabled, CUPS can not be disabled if CUPC is enabled
Remedy:	Enable CUPS when CUPC is enabled and CUPC must be disabled when CUPS is disabled

2.3.95.2 enablecups (FI-3162)

Type:	bool
Default Value:	FALSE
Remarks:	This defines the user as licensed to use Cisco Unified Presence Sserver if a CUPS server is present. Will request a license from the PHONE_UNIT pool. A user licensed for CUPS gets a presence status in the Presence Engine and is able to use IPPM.
Rule (RI-344):	

Type:	Active (Insert/Update/Delete records)
Rule Name:	Do end user license requests
Description:	Acquires/releases licenses from the PHONE_UNITS pool when features are enabled/disabled for an end user
Test Condition:	ON INSERT/UPDATE/DELETE IN EndUserLicense IF(enableCUPS = 'f' and enableCUPC = 't') THEN THROW EXCEPTION
Error Message:	CUPC can not be enabled when CUPS is not enabled, CUPS can not be disabled if CUPC is enabled
Remedy:	Enable CUPS when CUPC is enabled and CUPC must be disabled when CUPS is disabled

2.3.95.3 fkenduser (FI-3161)

Type:	guid (Unique, Cascade Delete)

	Remarks:	Foreign key back to end user identifying the end user association
	2.3.95.4 pkid (FI-3160)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.96 endusernumplanmap (TI-240)

Description:	Many to many relationship between EndUsers and DNs.	
Fields:	**2.3.96.1 fkenduser (FI-1736)**	
	Type:	guid (Cascade Delete)
	2.3.96.2 fknumplan (FI-1737)	
	Type:	guid (Cascade Delete)
	2.3.96.3 pkid (FI-1735)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.96.4 tkdnusage (FI-1738)	
	Type:	enum
Uniqueness:	fkenduser + fknumplan + tkdnusage is unique. (MFI-108)	

2.3.97 enterprisephoneconfigxml (TI-551)

Description:	XML configuration for Common Phone Config Insert/Delete is not allowed.

Fields:	**2.3.97.1 pkid (FI-3753)**		
	Type:	guid (Unique, Indexed, Not Modifiable)	
	Remarks:	Unique ID to identify a record.	
	2.3.97.2 xml (FI-3754)		
	Type:	string [16000] (Null OK)	
	Default Value:	NULL	
	Remarks:	Product configuration XML not used by CCM	
	Rule (RI-590):	Type:	Active (Update)
		Rule Name:	Update GroupVersionStamp for EnterprisePhoneConfigXML changes
		Description:	When EnterprisePhoneConfigXML.XML changed, the GroupVersionStamp is updated.
		Test Condition:	ON UPDATE IN EnterprisePhoneConfigXML: THEN UPDATE TypeGroupVersionStamp SET versionstamp = versionstampgenerator() where enum = 1; END IF;
Uniqueness:	No multicolumn uniqueness constraints		

2.3.98 extensionmobilitydynamic (TI-444)

Description:	Settings updated for EM login/logout; record inserted by trigger when EM is enabled for a device, and deleted by trigger when EM is disabled. Insert/Delete is not allowed.		
Fields:	**2.3.98.1 allowcticontrolflag (FI-3323)**		
	Type:	bool	
	Default Value:	FALSE	
	2.3.98.2 ctiidbase (FI-3324)		
	Type:	long (Not Modifiable)	
	Default Value:	0	
	Remarks:	Used by CTI to uniquely identify lines and pick up changes	
	2.3.98.3 datetimestamp (FI-3325)		
	Type:	long (Not Modifiable)	
	Default Value:	0	

Rule (RI-400):	Type:	Active (Insert/Update)
	Rule Name:	Update the DateTimeStamp for Dynamic records
	Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
	Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
Rule (RI-400):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	Update the DateTimeStamp for Dynamic records
	Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
	Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);

2.3.98.4 fkcallingsearchspace_restrict (FI-3326)

Type:	guid (Null OK)
Default Value:	NULL

2.3.98.5 fkdevice (FI-3322)

Type:	guid (Unique, Cascade Delete, Not Modifiable)

2.3.98.6 fkdevice_currentloginprofile (FI-1021)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	GUID for current login device profile. Set by the Login stored procedure if AllowHotellingFlag is true.

2.3.98.7 fkenduser (FI-3327)

Type:	guid (Null OK)
Default Value:	NULL

2.3.98.8 fkenduser_lastlogin (FI-2888)

Type:	guid (Indexed, Null OK)
Default Value:	NULL
Remarks:	This is the id of the last logged on EM user

2.3.98.9 fkfeaturecontrolpolicy (FI-5717)

Type:	guid (Null OK)

Default Value:	NULL
Remarks:	Feature Control Policy Record

2.3.98.10 fkmatrix_presence (FI-3328)

Type:	guid (Null OK)
Default Value:	NULL

2.3.98.11 fkmlppdomain (FI-3329)

Type:	guid (Null OK)
Default Value:	NULL

2.3.98.12 fkphonetemplate (FI-3330)

Type:	guid (Null OK)
Default Value:	NULL

2.3.98.13 fksoftkeytemplate (FI-3331)

Type:	guid (Null OK)
Default Value:	NULL

2.3.98.14 ignorepi (FI-3332)

Type:	bool
Default Value:	FALSE

2.3.98.15 lastnumplanindex (FI-3333)

Type:	long
Default Value:	0

2.3.98.16 loginduration (FI-906)

Type:	long (Null OK)
Default Value:	NULL

Rule (RI-41):	Type:	Validation (Insert/Update)
	Rule Name:	(obsolete) Device Login Duration Restriction
	Description:	Login Duration is only valid on devices supporting Extension Mobility
	Test Condition:	IF (@Device.LoginDuration IS NOT NULL) AND ((SELECT COUNT(*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 9 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0) THEN Throw Exception
	Error Message:	Login Duration is valid only for devices that support Extension Mobility feature.
	Remedy:	Remove the Login Duration setting from the device and try again.

2.3.98.17 logintime (FI-830)

Type:	long (Not Modifiable, Null OK)	
Default Value:	NULL	
Remarks:	When the user logged in. This is a time_t value stored as a long. Set by the Login stored procedure.	
Rule (RI-42):	Type:	Validation (Insert/Update)
	Rule Name:	(obsolete) Device Login Time Restriction
	Description:	Login Time is only valid on devices supporting Extension Mobility
	Test Condition:	IF (@Device.LoginTime IS NOT NULL) AND ((SELECT COUNT(*) FROM ProductSupportsFeature WHERE tkSupportsFeature = 9 AND tkProduct = @Device.tkProduct AND tkDeviceProtocol IN (@Device.tkDeviceProtocol,99)) = 0) THEN Throw Exception
	Error Message:	Login Time is valid only for devices that support Extension Mobility feature.
	Remedy:	Remove the Login Time setting from the device and try again.
Rule (RI-100):	Type:	Validation (Insert/Update)
	Rule Name:	Cannot Delete Device with Logged In User
	Description:	Cannot delete a phone with Extension Mobility enabled while a User is logged into the device.
	Test Condition:	IF (Device.AllowHoteling = true) AND (Device.fkEndUser IS NOT NULL) THEN throw exception
	Error Message:	Extension Mobility Device cannot be deleted while a User is logged in.
	Remedy:	Log out the user and then delete the device.

Rule (RI-310):	Type:	Active (Update)
	Rule Name:	(obsolete) Insert DeviceEMSyn record if auto sync of auto generated profile is needed
	Description:	When EM is on (Device.AllowHotelingFlag = true), if the default Device Profile is the auto generated Device Profile for the current device, and the value of service parameter (enableAutoDeviceProfileSynChronize) is true, then insert a record into DeviceEMSyn table with the pkid of auto-generated profile and the pkid of the current device. Later DbMon will process the change notification of DeviceEMSyn to re-generate the auto-generated profile of the current device.
	Test Condition:	Device.AllowHotelingFlag = true

2.3.98.18 mismatchedlogin (FI-3334)

Type:	bool
Default Value:	FALSE

2.3.98.19 pkid (FI-3321)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Rule (RI-403):	Type:	Active (Update)
	Rule Name:	Update versionstamp for extensionmobilitydynamic table
	Description:	When the extensionmobilitydynamic record changes, the versionstamp needs to be re-generated
	Test Condition:	ON UPDATE IN ExtensionMobilityDynamic: versionstamp = versionStampGenerator()

2.3.98.20 tkbarge (FI-3477)

Type:	enum
Default Value:	0

2.3.98.21 tkdndoption (FI-3411)

Type:	enum
Default Value:	0
Remarks:	Type of call handling while DND is enabled (0=Ringer Off, 1=Call Reject); depends on product support; overrides Device setting while logged in

2.3.98.22 tkpreemption (FI-3335)

Type:	enum
Default Value:	2

2.3.98.23 tkringsetting_dnd (FI-3340)

Type:	enum (Null OK)
Default Value:	NULL
Check Constraint:	(tkRingSetting_DND IN (1,2,5))

2.3.98.24 tkstatus_alwaysuseprimeline (FI-3708)

Type:	enum
Default Value:	2
Remarks:	Determines off-hook behavior of phones with active calls present

2.3.98.25 tkstatus_alwaysuseprimelineforvm (FI-3709)

Type:	enum
Default Value:	2
Remarks:	Determines Voice Message retreival behavior of phones

2.3.98.26 tkstatus_joinacrosslines (FI-3476)

Type:	enum
Default Value:	0

2.3.98.27 tkstatus_mlppindicationstatus (FI-3336)

Type:	enum
Default Value:	0

2.3.98.28 tkuserlocale (FI-3337)

Type:	enum (Null OK)
Default Value:	NULL

2.3.98.29 userholdmohaudiosourceid (FI-3338)

Type:	long (Null OK)
Default Value:	NULL
Check Constraint:	(UserHoldMOHAudioSourceID >= 0) AND (UserHoldMOHAudioSourceID <= 51)

2.3.98.30 versionstamp (FI-3339)

Type:	string [47] (Not Modifiable)

Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963	
Rule (RI-403):	Type:	Active (Update) This field is modified by this rule.
	Rule Name:	Update versionstamp for extensionmobilitydynamic table
	Description:	When the extensionmobilitydynamic record changes, the versionstamp needs to be re-generated
	Test Condition:	ON UPDATE IN ExtensionMobilityDynamic: versionstamp = versionStampGenerator()
Rule (RI-403):	Type:	Active (Update)
	Rule Name:	Update versionstamp for extensionmobilitydynamic table
	Description:	When the extensionmobilitydynamic record changes, the versionstamp needs to be re-generated
	Test Condition:	ON UPDATE IN ExtensionMobilityDynamic: versionstamp = versionStampGenerator()
Uniqueness:	No multicolumn uniqueness constraints	

2.3.99 facinfo (TI-305)

Description: Contains the authorization information for For

Fields:

2.3.99.1 authorizationlevel (FI-2130)

Type:	long
Default Value:	0
Check Constraint:	(AuthorizationLevel >= 0) AND (AuthorizationLevel <= 255)

2.3.99.2 code (FI-2131)

Type:	string [16] (Unique, Indexed)
Validation:	^[0-9]{0,16}$
Remarks:	All digits

2.3.99.3 name (FI-2129)

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,50}$
Remarks:	Used in CDR

2.3.99.4 pkid (FI-2132)

	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.100 featurecontrolpolicy (TI-564)

Description:	FeatureControlPolicy	
Fields:	**2.3.100.1 clause (FI-5713)**	
	Type:	string [128]
	Default Value:	EMPTY
	Validation:	^(\d+:[01](;\d+:[01]){0,31})?$
	Remarks:	String indicating the feature by enum and the policy setting for that feature which overrides its default. Formatted as feature:setting;feature:setting
	2.3.100.2 description (FI-5712)	
	Type:	string [512]
	Default Value:	EMPTY
	Validation:	^[^\x00-\x1F""%\\&<>]{0,128}$
	Migration Source:	FeatureControlPolicy.Description
	2.3.100.3 name (FI-5711)	
	Type:	string [50] (Unique)
	Validation:	^[a-zA-Z 0-9._-]{1,50}$
	Remarks:	Unique name
	2.3.100.4 pkid (FI-5710)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.100.5 versionstamp (FI-5714)	
	Type:	string [47] (Null OK)

Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963	
Remarks:	New guid plus seconds past midnight 1970 are concatenated	
Rule (RI-733):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	FeatureControlPolicy VersionStamp Update
	Description:	When the FeatureControlPolicy record changes, the versionstamp needs to be re-generated
	Test Condition:	ON UPDATE IN FeatureControlPolicy: versionstamp = versionStampGenerator()
Rule (RI-733):	Type:	Active (Insert/Update)
	Rule Name:	FeatureControlPolicy VersionStamp Update
	Description:	When the FeatureControlPolicy record changes, the versionstamp needs to be re-generated
	Test Condition:	ON UPDATE IN FeatureControlPolicy: versionstamp = versionStampGenerator()
Uniqueness:	No multicolumn uniqueness constraints	

2.3.101 functionrole (TI-233)

Description:	A role comprises a function which is a set of permissions on resource-action tuples.	
Fields:	**2.3.101.1 description (FI-1667)**	
	Type:	string [128]
	Default Value:	EMPTY
	2.3.101.2 isstandard (FI-1787)	
	Type:	bool (Not Modifiable)
	Default Value:	FALSE
	2.3.101.3 name (FI-1668)	
	Type:	string [128] (Unique)
	2.3.101.4 pkid (FI-1666)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.102 functionroledirgroupmap (TI-234)

Description:	Many to many relationship between FunctionRole and DirGroup

Fields:

2.3.102.1 fkdirgroup (FI-1671)

Type:	guid (Cascade Delete)
Rule (RI-334):	

Type:	Validation (Insert/Update/Delete)
Rule Name:	Standard DirGroup Functional Role Resctriction
Description:	The Functional Roles associated with a standard DirGroup may not be changed in any way
Test Condition:	ON INSERT/UPDATE/DELETE IN FunctionRoleDirGroupMap IF (SELECT isStandard FROM DirGroup WHERE pkid = @fkDirGroup) = 'T' THEN throw exception
Error Message:	Cannot modify the Functional Roles associated with a standard DirGroup
Remedy:	Create a new DirGroup with the desired Roles and assign users to that role instead.

2.3.102.2 fkfunctionrole (FI-1670)

Type:	guid (Cascade Delete)
Rule (RI-334):	

Type:	Validation (Insert/Update/Delete)
Rule Name:	Standard DirGroup Functional Role Resctriction
Description:	The Functional Roles associated with a standard DirGroup may not be changed in any way
Test Condition:	ON INSERT/UPDATE/DELETE IN FunctionRoleDirGroupMap IF (SELECT isStandard FROM DirGroup WHERE pkid = @fkDirGroup) = 'T' THEN throw exception
Error Message:	Cannot modify the Functional Roles associated with a standard DirGroup
Remedy:	Create a new DirGroup with the desired Roles and assign users to that role instead.

2.3.102.3 pkid (FI-1669)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Uniqueness:	fkfunctionrole + fkdirgroup is unique. (MFI-96)

2.3.103 functionroleresourcemap (TI-237)

Description:	Captures what roles have what permissions.

Fields:

2.3.103.1 fkfunctionrole (FI-1681)

Type:	guid (Cascade Delete)	
Rule (RI-335):	Type:	Validation (Insert/Update/Delete)
	Rule Name:	Standard Functional Role Resource Restriction
	Description:	The Resources and Permissions associated with a standard Functional Role may not be changed in any way
	Test Condition:	ON INSERT/UPDATE/DELETE IN FunctionRoleResourceMap IF (SELECT isStandard FROM FuntionRole WHERE pkid = @fkFunctionRole) = 'T' THEN throw exception
	Error Message:	Cannot modify the Permission and Resources associated with a standard Functional Role.
	Remedy:	Create a new Role with the desired resources and use that role instead.

2.3.103.2 permission (FI-1683)

Type:	long	
Rule (RI-335):	Type:	Validation (Insert/Update/Delete)
	Rule Name:	Standard Functional Role Resource Restriction
	Description:	The Resources and Permissions associated with a standard Functional Role may not be changed in any way
	Test Condition:	ON INSERT/UPDATE/DELETE IN FunctionRoleResourceMap IF (SELECT isStandard FROM FuntionRole WHERE pkid = @fkFunctionRole) = 'T' THEN throw exception
	Error Message:	Cannot modify the Permission and Resources associated with a standard Functional Role.
	Remedy:	Create a new Role with the desired resources and use that role instead.

2.3.103.3 pkid (FI-1680)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.103.4 tkresource (FI-1682)

Type:	enum

	Rule (RI-335):	Type:	Validation (Insert/Update/Delete)
		Rule Name:	Standard Functional Role Resource Restriction
		Description:	The Resources and Permissions associated with a standard Functional Role may not be changed in any way
		Test Condition:	ON INSERT/UPDATE/DELETE IN FunctionRoleResourceMap IF (SELECT isStandard FROM FuntionRole WHERE pkid = @fkFunctionRole) = 'T' THEN throw exception
		Error Message:	Cannot modify the Permission and Resources associated with a standard Functional Role.
		Remedy:	Create a new Role with the desired resources and use that role instead.
Uniqueness:	No multicolumn uniqueness constraints		

2.3.104 gatekeeper (TI-138)

Description: Gatekeeper information in not in Device table

Fields:

2.3.104.1 enabledevice (FI-1181)

Type:	bool
Default Value:	TRUE

2.3.104.2 fkdevice (FI-778)

Type:	guid (Indexed, Cascade Delete)	
Rule (RI-113):	Type:	Validation (Insert/Update)
	Rule Name:	Gatekeeper device
	Description:	A record in the Gatekeeper table must reference a device that is a Gatekeeper (Model = 122).
	Test Condition:	Gatekeeper.fkDevice IN (SELECT pkid FROM Device WHERE tkModel = 122
	Error Message:	Gatekeeper table may only reference devices that are Gatekeepers (model = 122).
	Remedy:	Correct the fkDevice value to refer to a Gatekeeper device.

2.3.104.3 pkid (FI-764)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.104.4 retrytimeout (FI-770)	
Type:	long
Default Value:	300
Check Constraint:	(RetryTimeout >= 30) AND (RetryTimeout <= 600)
2.3.104.5 rrqtimetolive (FI-766)	
Type:	long
Default Value:	60
Check Constraint:	(RRQTimeToLive >= 30) AND (RRQTimeToLive <= 300)
Uniqueness:	No multicolumn uniqueness constraints

2.3.105 gatewaylayout (TI-178)

Description:	Static table for MGCP gateway layout. Records may be modified only by installation and/or DB triggers.
Fields:	
2.3.105.1 endpointformatstring (FI-1097)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
Migration Source:	was ProductMGCPVicCompat.EndPointFormatString before
2.3.105.2 enum (FI-1090)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.105.3 lev1header (FI-1092)	
Type:	string [255] (Not Modifiable)
Default Value:	EMPTY
2.3.105.4 lev2header (FI-1093)	
Type:	string [255] (Not Modifiable)
Default Value:	EMPTY
2.3.105.5 slotposition (FI-1094)	
Type:	long (Not Modifiable)
Default Value:	1

	2.3.105.6 tkdeviceprotocol (FI-2171)
	Type: enum
	Default Value: 12
	2.3.105.7 tkmgcpslotmodule (FI-1095)
	Type: enum (Not Modifiable)
	Default Value: 0
	2.3.105.8 tkmgcpvic (FI-1096)
	Type: enum (Not Modifiable)
	Default Value: 0
	2.3.105.9 tkproduct (FI-1091)
	Type: enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.106 geolocation (TI-552)

Description:	Used to store the GeoLocation for devices
Fields:	**2.3.106.1 a1 (FI-5010)**
	Type: string [200]
	Default Value: EMPTY
	Validation: ^[^""%&\\<>:]{0,50}$
	Remarks: National Subdivision
	2.3.106.2 a2 (FI-5011)
	Type: string [200]
	Default Value: EMPTY
	Validation: ^[^""%&\\<>:]{0,50}$
	Remarks: District
	2.3.106.3 a3 (FI-5012)
	Type: string [200]
	Default Value: EMPTY

Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	Community Name
2.3.106.4 a4 (FI-5013)	
Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	City Division
2.3.106.5 a5 (FI-5014)	
Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	Neighbourhood
2.3.106.6 a6 (FI-5015)	
Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	Street
2.3.106.7 country (FI-5008)	
Type:	string [2]
Default Value:	EMPTY
Validation:	^[a-zA-Z]{0,2}$
Remarks:	Country name identified by two letter ISO
2.3.106.8 description (FI-5009)	
Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
2.3.106.9 flr (FI-5023)	
Type:	string [40]
Default Value:	EMPTY

Validation:	^[^""%&\\<>:]{0,10}$
Remarks:	Floor
2.3.106.10 hno (FI-5019)	
Type:	string [10]
Default Value:	EMPTY
Validation:	^[0-9]{0,10}$
Remarks:	House Number
2.3.106.11 hns (FI-5020)	
Type:	string [80]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,20}$
Remarks:	House Number Suffix
2.3.106.12 lmk (FI-5021)	
Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	Landmark
2.3.106.13 loc (FI-5022)	
Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	Location
2.3.106.14 nam (FI-5024)	
Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	Occupant Name
2.3.106.15 name (FI-5007)	
Type:	string [200] (Unique, Indexed)

Validation:	^[^""%&\\<>]{1,50}$
Remarks:	Unique Name to identify a record

2.3.106.16 pc (FI-5025)

Type:	string [80]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,20}$
Remarks:	Postal Code

2.3.106.17 pkid (FI-5006)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record
Rule (RI-582):	Type: Active (Update/Delete) Rule Name: Update/Delete restriction for Unspecified GeoLocation Record of GeoLocation table Description: The Unspecified GeoLocation Record cannot be updated or deleted Test Condition: On UPDATE/DELETE of GeoLocation table Error Message: Cannot Delete/Modify the Unspecified GeoLocation Record

2.3.106.18 pod (FI-5017)

Type:	string [40]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,10}$
Remarks:	Trailing Street Suffix

2.3.106.19 prd (FI-5016)

Type:	string [40]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,10}$
Remarks:	Leading Street Direction

2.3.106.20 sts (FI-5018)

Type:	string [200]
Default Value:	EMPTY

	Validation:	^[^""%&\\<>:]{0,50}$
	Remarks:	Street Suffix
Uniqueness:	No multicolumn uniqueness constraints	

2.3.107 geolocationfilter (TI-555)

Description:	Used to store GeoLocation filters

Fields:

2.3.107.1 description (FI-5034)	
Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
2.3.107.2 name (FI-5033)	
Type:	string [200] (Unique, Indexed)
Validation:	^[^""%&\\<>]{1,50}$
Remarks:	Unique Name to identify a record
2.3.107.3 pkid (FI-5032)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record
2.3.107.4 usea1 (FI-5036)	
Type:	bool
Default Value:	FALSE
Remarks:	If true A1 column is part of the filter string else not
2.3.107.5 usea2 (FI-5037)	
Type:	bool
Default Value:	FALSE
Remarks:	If true A2 column is part of the filter string else not
2.3.107.6 usea3 (FI-5038)	
Type:	bool

Default Value:	FALSE
Remarks:	If true A3 column is part of the filter string else not

2.3.107.7 usea4 (FI-5039)

Type:	bool
Default Value:	FALSE
Remarks:	If true A4 column is part of the filter string else not

2.3.107.8 usea5 (FI-5040)

Type:	bool
Default Value:	FALSE
Remarks:	If true A5 column is part of the filter string else not

2.3.107.9 usea6 (FI-5041)

Type:	bool
Default Value:	FALSE
Remarks:	If true A6 column is part of the filter string else not

2.3.107.10 usecountry (FI-5035)

Type:	bool
Default Value:	FALSE
Remarks:	If true Country column is part of the filter string else not

2.3.107.11 useflr (FI-5049)

Type:	bool
Default Value:	FALSE
Remarks:	If true FLR column is part of the filter string else not

2.3.107.12 usehno (FI-5045)

Type:	bool
Default Value:	FALSE
Remarks:	If true HNO column is part of the filter string else not

2.3.107.13 usehns (FI-5046)

Type:	bool
Default Value:	FALSE

Remarks:	If true HNS column is part of the filter string else not
2.3.107.14 uselmk (FI-5047)	
Type:	bool
Default Value:	FALSE
Remarks:	If true LMK column is part of the filter string else not
2.3.107.15 useloc (FI-5048)	
Type:	bool
Default Value:	FALSE
Remarks:	If true LOC column is part of the filter string else not
2.3.107.16 usenam (FI-5050)	
Type:	bool
Default Value:	FALSE
Remarks:	If true NAM column is part of the filter string else not
2.3.107.17 usepc (FI-5051)	
Type:	bool
Default Value:	FALSE
Remarks:	If true PC column is part of the filter string else not
2.3.107.18 usepod (FI-5043)	
Type:	bool
Default Value:	FALSE
Remarks:	If true POD column is part of the filter string else not
2.3.107.19 useprd (FI-5042)	
Type:	bool
Default Value:	FALSE
Remarks:	If true PRD column is part of the filter string else not
2.3.107.20 usests (FI-5044)	
Type:	bool
Default Value:	FALSE
Remarks:	If true STS column is part of the filter string else not

Uniqueness:	No multicolumn uniqueness constraints

2.3.108 geolocationpolicy (TI-556)

Description:	Used to store Logical Partition policy records

Fields:

2.3.108.1 a1 (FI-5056)

Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	National Subdivision

2.3.108.2 a2 (FI-5057)

Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	District

2.3.108.3 a3 (FI-5058)

Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	Community Name

2.3.108.4 a4 (FI-5059)

Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	City Division

2.3.108.5 a5 (FI-5060)

Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	Neighbourhood

2.3.108.6 a6 (FI-5061)	
Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	Street
2.3.108.7 country (FI-5054)	
Type:	string [2]
Default Value:	EMPTY
Validation:	^[a-zA-Z]{0,2}$
Remarks:	Country name identified by two letter ISO
2.3.108.8 description (FI-5055)	
Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
2.3.108.9 flr (FI-5069)	
Type:	string [40]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,10}$
Remarks:	Floor
2.3.108.10 hno (FI-5065)	
Type:	string [10]
Default Value:	EMPTY
Validation:	^[0-9]{0,10}$
Remarks:	House Number
2.3.108.11 hns (FI-5066)	
Type:	string [80]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,20}$
Remarks:	House Number Suffix

2.3.108.12 lmk (FI-5067)	
Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	Landmark
2.3.108.13 loc (FI-5068)	
Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	Location
2.3.108.14 nam (FI-5070)	
Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	Occupant Name
2.3.108.15 name (FI-5053)	
Type:	string [200] (Unique, Indexed)
Validation:	^[^""%&\\<>]{1,50}$
Remarks:	Unique Name to identify a record
2.3.108.16 pc (FI-5071)	
Type:	string [80]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,20}$
Remarks:	Postal Code
2.3.108.17 pkid (FI-5052)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record
2.3.108.18 pod (FI-5063)	

Type:	string [40]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,10}$
Remarks:	Trailing Street Suffix

2.3.108.19 prd (FI-5062)

Type:	string [40]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,10}$
Remarks:	Leading Street Direction

2.3.108.20 sts (FI-5064)

Type:	string [200]
Default Value:	EMPTY
Validation:	^[^""%&\\<>:]{0,50}$
Remarks:	Street Suffix

Uniqueness: No multicolumn uniqueness constraints

2.3.109 geolocationpolicymatrix (TI-557)

Description: Used to store Logical Partition Policies

Fields:

2.3.109.1 fkgeolocationpolicy_a (FI-5073)

Type:	guid (Cascade Delete, Null OK)
Default Value:	NULL

2.3.109.2 fkgeolocationpolicy_b (FI-5075)

Type:	guid (Cascade Delete, Null OK)
Default Value:	NULL

2.3.109.3 pkid (FI-5072)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record

2.3.109.4 tkgeolocationdevice_a (FI-5074)	
Type:	enum
Remarks:	Refers to the Logical Partition Device type
2.3.109.5 tkgeolocationdevice_b (FI-5076)	
Type:	enum
Remarks:	Refers to the Logical Partition Device type
2.3.109.6 tklogicalpartitionpolicy (FI-5077)	
Type:	enum
Remarks:	Refers to the Logical Partition Policy
Uniqueness:	fkgeolocationpolicy_a + tkgeolocationdevice_a + fkgeolocationpolicy_b + tkgeolocationdevice_b is unique. (MFI-109)

2.3.110 grtreport (TI-484)

Description:	A report
Fields:	
2.3.110.1 description (FI-3600)	
Type:	string [1000]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,1000}$
2.3.110.2 isstandard (FI-3599)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
2.3.110.3 name (FI-3598)	
Type:	string [50] (Unique, Not Modifiable)
Validation:	^[a-zA-Z 0-9._-]{1,50}$
2.3.110.4 pkid (FI-3597)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Uniqueness:	No multicolumn uniqueness constraints

2.3.111 grtreportsourcemap (TI-485)

Description:	A mapping table to map GRTSource and GRTReport

Fields:

2.3.111.1 fkgrtreport (FI-3606)

Type:	guid
Default Value:	EMPTY

2.3.111.2 fkgrtsource (FI-3607)

Type:	guid
Default Value:	EMPTY

2.3.111.3 isstandard (FI-3605)

Type:	bool (Not Modifiable)
Default Value:	FALSE

2.3.111.4 pkid (FI-3603)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.111.5 priority (FI-3608)

Type:	long (Null OK)
Check Constraint:	(priority >= 1) AND (priority < 499)

2.3.111.6 sourceparam (FI-3604)

Type:	string [5000]
Default Value:	EMPTY

Uniqueness:	No multicolumn uniqueness constraints

2.3.112 grtsource (TI-483)

Description:	Data sources for Reporting tool

Fields:

2.3.112.1 beforegenprompt (FI-3611)	
Type:	string [100]
Default Value:	EMPTY
Remarks:	Prompt to display before generating this report.
2.3.112.2 description (FI-3596)	
Type:	string [1000]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,1000}$
2.3.112.3 isstandard (FI-3595)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
2.3.112.4 javamethod (FI-3602)	
Type:	string [100] (Not Modifiable)
2.3.112.5 javaobj (FI-3601)	
Type:	string [100] (Not Modifiable)
2.3.112.6 name (FI-3594)	
Type:	string [50] (Unique, Not Modifiable)
Validation:	^[a-zA-Z 0-9._-]{1,50}$
2.3.112.7 pkid (FI-3593)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.112.8 remedy (FI-3609)	
Type:	string [1000]
Default Value:	EMPTY
Remarks:	possilbe remedy to resolve data under test
2.3.112.9 symptom (FI-3610)	
Type:	string [1000]
Default Value:	EMPTY

	Remarks:	possible symptoms if errors exist in data under test
Uniqueness:	No multicolumn uniqueness constraints	

2.3.113 h323device (TI-18)

Description:	H.323 information not in Device table

Fields:

2.3.113.1 acceptinboundrdnis (FI-1086)

Type:	bool
Default Value:	TRUE

2.3.113.2 activecap (FI-1233)

Type:	bool
Default Value:	FALSE

2.3.113.3 allowh235passthrough (FI-3795)

Type:	bool
Default Value:	FALSE
Remarks:	Pass through of the H.235 ClearToken encryption key through an Cisco Unifed CM H.323 ICT, H.323 Trunk or H.323 Gateway is Allowed

2.3.113.4 calleriddn (FI-98)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,32}$
Migration Source:	CallerId

2.3.113.5 displayie (FI-772)

Type:	bool
Default Value:	FALSE

2.3.113.6 e164 (FI-2172)

Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL

Validation:	^[0-9*#+X]{0,32}$	
Rule (RI-322):	Type:	Validation (Insert/Update)
	Rule Name:	Gatekeeper Controlled H323Device.E164 is unique
	Description:	The E.164 address associated with a gatekeeper controlled H.323 Client must be unique.
	Test Condition:	ON INSERT/UPDATE IF (SELECT COUNT(*) FROM H323Device WHERE E164 = @H323Device.E164) > 1 THEN throw exception
	Error Message:	Cannot insert duplicate E.164 address for H.323 Client
	Remedy:	Make sure the E.164 address is unique and try again.

2.3.113.7 enableinboundfaststart (FI-1613)

Type:	bool
Default Value:	FALSE

2.3.113.8 enableoutboundfaststart (FI-1612)

Type:	bool	
Default Value:	FALSE	
Rule (RI-297):	Type:	Validation (Insert/Update)
	Rule Name:	SRTP and Outbound Faststart Conflict
	Description:	The SRTPAllowed and EnableOutboundFastStart settings (for H.323 devices) are mutually exclusive - only one may be true at any given time.
	Test Condition:	IF (Device.SRTPAllowed = 't') AND (H323Device.EnableOutboundFastStart = 't') THEN throw exception
	Error Message:	SRTP and Outbound FastStart cannot be enabled at the same time.
	Remedy:	Disable either SRTP or Outbound FastStart and try again.

Rule (RI-404):	Type:	Validation (Insert/Update)
	Rule Name:	EnableOutboundFastStart on H.323 Gateway requires MTP and MRL
	Description:	When EnableOutboundFastStart is true for a H.323 Gateway device, the MTPRequired field must also be true, and a Media Resource Group List must be selected. The Media Resource Group List should contain at least one hardware MTP/Transcoder so that all necessary codecs are avialable for preallocation, which is necessary for FastStart. The validation in this rule does not guarantee that the correct resources are available because it does not check the content of Media Resource Groups.
	Test Condition:	ON INSERT/UPDATE in H323Device for H.323 Gateway (only when values change to protect migrated settings before this restriction was applied): IF (new_EnableOutboundFaststart = 'T') THEN SELECT mtpRequired, fkMediaResourceList INTO mtp, mrl FROM Device where pkid = new_fkDevice); IF (mtp = 'F') OR (mrl IS NULL) THEN throw exception;
	Error Message:	EnableOutboundFaststart cannot be True because the device does not have MTPRequired or is missing a Media Resource Group List
	Remedy:	Enable MTPRequired, and select a Media Resource Group List that contains hardware MTP/ Transcoder resources before enabling outbound faststart.

2.3.113.9 endpointaddress1 (FI-1101)

Type:	string [255]
Default Value:	EMPTY

Rule (RI-487):	Type:	Validation (Insert/Update)
	Rule Name:	ICT non-gatekeep trunk needs to have unique endpoint address
	Description:	ICT non-gatekeep trunk needs to have unique endpoint address
	Test Condition:	On Insert or Update H323Device
	Error Message:	ICT non-gatekeep trunk needs to have unique endpoint address

2.3.113.10 endpointaddress2 (FI-1102)

Type:	string [255]
Default Value:	EMPTY

Rule (RI-487):	Type:	Validation (Insert/Update)
	Rule Name:	ICT non-gatekeep trunk needs to have unique endpoint address
	Description:	ICT non-gatekeep trunk needs to have unique endpoint address
	Test Condition:	On Insert or Update H323Device
	Error Message:	ICT non-gatekeep trunk needs to have unique endpoint address

2.3.113.11 endpointaddress3 (FI-1103)

Type:	string [255]
Default Value:	EMPTY

Rule (RI-487):	Type:	Validation (Insert/Update)
	Rule Name:	ICT non-gatekeep trunk needs to have unique endpoint address
	Description:	ICT non-gatekeep trunk needs to have unique endpoint address
	Test Condition:	On Insert or Update H323Device
	Error Message:	ICT non-gatekeep trunk needs to have unique endpoint address

2.3.113.12 fkdevice (FI-95)

Type:	guid (Unique, Indexed, Cascade Delete)
Migration Source:	convert from Device

Rule (RI-297):	Type:	Validation (Insert/Update)
	Rule Name:	SRTP and Outbound Faststart Conflict
	Description:	The SRTPAllowed and EnableOutboundFastStart settings (for H.323 devices) are mutually exclusive - only one may be true at any given time.
	Test Condition:	IF (Device.SRTPAllowed = 't') AND (H323Device.EnableOutboundFastStart = 't') THEN throw exception
	Error Message:	SRTP and Outbound FastStart cannot be enabled at the same time.
	Remedy:	Disable either SRTP or Outbound FastStart and try again.

Rule (RI-307):	Type:	Validation (Insert/Update)
	Rule Name:	H323 Device
	Description:	The records in H323Device table must reference a device using H323 or Intercluster Trunk device protocol
	Test Condition:	H323Device.fkDevice IN (SELECT pkid FROM Device where tkDeviceProtocol IN (2, 8)
	Error Message:	H323Device table may only reference devices with matching Device Protocol (H225 or Intercluster Trunk).
	Remedy:	Correct the fkDevice value to refer to an H323 or Intercluster Trunk device.
Rule (RI-308):	Type:	Active (Insert/Update)
	Rule Name:	Set QSIG on Device when Tunneled Protocol changes
	Description:	When the H323Device.tkTunneledProtocol value changes, update the Device.tkQsig setting on the referenced device
	Test Condition:	IF H323.tkTunneledProtocol = QSIG THEN set device qsig = all pri qsig ELSE set to H323 for H323 or MIXED NON-QSIG for Intercluster Trunk
Rule (RI-351):	Type:	Validation (Insert/Update)
	Rule Name:	PassingPrecedenceLevelThroughUUIE on non gatekeeper ICT only
	Description:	The ICTPassingPrecedenceLevelThroughUUIE setting can be TRUE only for non-Gatekeeper Controlled Intercluser Trunk Devices
	Test Condition:	ON INSERT/UPDATE in H323Device: IF (new_IctPassingPrecedenceLevelThroughUUIE = 't') THEN SELECT tkProduct INTO product FROM Device WHERE pkid = new_fkDevice; IF (product <> PRODUCT_ICT_TRUNK) THEN throw exception; END IF;
	Error Message:	This device does not support Passing Precedence Level Through UUIE
Rule (RI-404):	Type:	Validation (Insert/Update)
	Rule Name:	EnableOutboundFastStart on H.323 Gateway requires MTP and MRL
	Description:	When EnableOutboundFastStart is true for a H.323 Gateway device, the MTPRequired field must also be true, and a Media Resource Group List must be selected. The Media Resource Group List should contain at least one hardware MTP/Transcoder so that all necessary codecs are avialable for preallocation, which is necessary for FastStart. The validation in this rule does not guarantee that the correct resources are available because it does not check the content of Media Resource Groups.

	Test Condition:	ON INSERT/UPDATE in H323Device for H.323 Gateway (only when values change to protect migrated settings before this restriction was applied): IF (new_EnableOutboundFaststart = 'T') THEN SELECT mtpRequired, fkMediaResourceList INTO mtp, mrl FROM Device where pkid = new_fkDevice); IF (mtp = 'F') OR (mrl IS NULL) THEN throw exception;
	Error Message:	EnableOutboundFaststart cannot be True because the device does not have MTPRequired or is missing a Media Resource Group List
	Remedy:	Enable MTPRequired, and select a Media Resource Group List that contains hardware MTP/ Transcoder resources before enabling outbound faststart.
Rule (RI-487):	Type:	Validation (Insert/Update)
	Rule Name:	ICT non-gatekeep trunk needs to have unique endpoint address
	Description:	ICT non-gatekeep trunk needs to have unique endpoint address
	Test Condition:	On Insert or Update H323Device
	Error Message:	ICT non-gatekeep trunk needs to have unique endpoint address

2.3.113.13 fkdevice_gatekeeper (FI-771)

Type:	guid (Null OK)
Default Value:	NULL

2.3.113.14 ictpassingprecedencelevelthroughuuie (FI-3189)

Type:	bool
Default Value:	FALSE
Remarks:	Valid for Non-Gatekeeper Controlled Inter-cluster Trunks only

Rule (RI-351):	Type:	Validation (Insert/Update)
	Rule Name:	PassingPrecedenceLevelThroughUUIE on non gatekeeper ICT only
	Description:	The ICTPassingPrecedenceLevelThroughUUIE setting can be TRUE only for non-Gatekeeper Controlled Intercluser Trunk Devices
	Test Condition:	ON INSERT/UPDATE in H323Device: IF (new_IctPassingPrecedenceLevelThroughUUIE = 't') THEN SELECT tkProduct INTO product FROM Device WHERE pkid = new_fkDevice; IF (product <> PRODUCT_ICT_TRUNK) THEN throw exception; END IF;
	Error Message:	This device does not support Passing Precedence Level Through UUIE

2.3.113.15 ictsecurityaccesslevel (FI-3190)

Type:	long
Default Value:	2

Check Constraint:	(IctSecurityAccessLevel >=0) AND (IctSecurityAccessLevel <= 99)
Remarks:	SAL is ignored when PassingPrecedenceLevelThroughUUIE is FALSE
2.3.113.16 numberie (FI-1088)	
Type:	bool
Default Value:	TRUE
2.3.113.17 numdigits (FI-789)	
Type:	long
Default Value:	0
Check Constraint:	((NumDigits >= 0) AND (NumDigits <= 32)) OR (NumDigits = 99)
Remarks:	99 is used for all digits instead of SigDigits = false
2.3.113.18 pathreplacementsupport (FI-2173)	
Type:	bool
Default Value:	FALSE
2.3.113.19 pkid (FI-94)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
2.3.113.20 prefix (FI-790)	
Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL
Validation:	^[0-9*#+]{0,50}$
2.3.113.21 runh225doneverynodeflag (FI-997)	
Type:	bool
Default Value:	FALSE
2.3.113.22 sigdigits (FI-791)	
Type:	bool
Default Value:	FALSE

Remarks:	Must be 1 if (NumDigits >= 0) AND (NumDigits <= 32), or 0 if (NumDigits = 99)

2.3.113.23 signalingport (FI-1231)

Type:	long
Default Value:	1720
Check Constraint:	(SignalingPort >= 1) AND (SignalingPort <= 65535)

2.3.113.24 technologyprefix (FI-1100)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[0-9*#+]{0,50}$

2.3.113.25 tkasn1roseoidencoding (FI-3767)

Type:	enum
Default Value:	0
Rule (RI-584):	

Type:	Validation (Insert/Update)
Rule Name:	H323Device.tkASN1RoseOidEncoding and H323Device.tkQSIGVariant Change Restriction
Description:	If tkTunneledProtocol is not enabled for qsig then tkASN1RoseOidEncoding or tkQSIGVariant in the H323Device table should not be allowed to change from DEFAULT to NON DEFAULT
Test Condition:	ON INSERT or UPDATE in H323Device: SELECT count(enum) INTO nRows FROM TunneledProtocol where enum = new_tkTunneledProtocol and name = 'QSIG'; IF (nrows=0) throw exception END IF;
Error Message:	Cannot modify the value since QSIG is not enabled for this device
Remedy:	Enable the QSIG and change the value

2.3.113.26 tkcallingpartyselection (FI-99)

Type:	enum
Default Value:	1
Migration Source:	CallingPartySelection
Remarks:	Source of the calling party number: originator = 1, first redirect = 2, last redirect = 3

2.3.113.27 tkmediapayload (FI-1614)

Type:	enum (Null OK)
Default Value:	4

2.3.113.28 tknumberingplan_called (FI-1005)

Type:	enum
Default Value:	0

2.3.113.29 tknumberingplan_calling (FI-1006)

Type:	enum
Default Value:	0

2.3.113.30 tkpresentationbit (FI-100)

Type:	enum
Default Value:	0
Migration Source:	PresentationBit
Remarks:	CLID presentationBit: allowed = 1, restricted = 2

2.3.113.31 tkpriofnumber_called (FI-1008)

Type:	enum
Default Value:	0
Migration Source:	based on TypePriOfNumber

2.3.113.32 tkpriofnumber_calling (FI-1007)

Type:	enum
Default Value:	0
Migration Source:	based on TypePriOfNumber

2.3.113.33 tkqsigvariant (FI-3769)

Type:	enum
Default Value:	0

Rule (RI-584):	Type:	Validation (Insert/Update)
	Rule Name:	H323Device.tkASN1RoseOidEncoding and H323Device.tkQSIGVariant Change Restriction
	Description:	If tkTunneledProtocol is not enabled for qsig then tkASN1RoseOidEncoding or tkQSIGVariant in the H323Device table should not be allowed to change from DEFAULT to NON DEFAULT
	Test Condition:	ON INSERT or UPDATE in H323Device: SELECT count(enum) INTO nRows FROM TunneledProtocol where enum = new_tkTunneledProtocol and name = 'QSIG'; IF (nrows=0) throw exception END IF;
	Error Message:	Cannot modify the value since QSIG is not enabled for this device
	Remedy:	Enable the QSIG and change the value

2.3.113.34 tkterminal (FI-1098)

Type:	enum (Null OK)
Default Value:	NULL

2.3.113.35 tktunneledprotocol (FI-2174)

Type:	enum	
Default Value:	0	
Rule (RI-308):	Type:	Active (Insert/Update)
	Rule Name:	Set QSIG on Device when Tunneled Protocol changes
	Description:	When the H323Device.tkTunneledProtocol value changes, update the Device.tkQsig setting on the referenced device
	Test Condition:	IF H323.tkTunneledProtocol = QSIG THEN set device qsig = all pri qsig ELSE set to H323 for H323 or MIXED NON-QSIG for Intercluster Trunk
Rule (RI-584):	Type:	Validation (Insert/Update)
	Rule Name:	H323Device.tkASN1RoseOidEncoding and H323Device.tkQSIGVariant Change Restriction
	Description:	If tkTunneledProtocol is not enabled for qsig then tkASN1RoseOidEncoding or tkQSIGVariant in the H323Device table should not be allowed to change from DEFAULT to NON DEFAULT
	Test Condition:	ON INSERT or UPDATE in H323Device: SELECT count(enum) INTO nRows FROM TunneledProtocol where enum = new_tkTunneledProtocol and name = 'QSIG'; IF (nrows=0) throw exception END IF;
	Error Message:	Cannot modify the value since QSIG is not enabled for this device
	Remedy:	Enable the QSIG and change the value

	2.3.113.36 useclientconfiguration (FI-1232)	
	Type:	bool
	Default Value:	FALSE
	2.3.113.37 zone (FI-1099)	
	Type:	string [50]
	Default Value:	EMPTY
	Validation:	^[a-zA-Z 0-9._-]{0,50}$
Uniqueness:	No multicolumn uniqueness constraints	

2.3.114 installmonitor (TI-212)		
Description:	Used to send change notification of subscriber install	
Fields:	**2.3.114.1 datetimestamp (FI-1409)**	
	Type:	long
	Default Value:	0
	Remarks:	Time stamp
	2.3.114.2 id (FI-1407)	
	Type:	identity (Unique)
	Remarks:	Unique orderable id.
	2.3.114.3 nodename (FI-1408)	
	Type:	string [255] (Unique)
	Default Value:	EMPTY
	Remarks:	Name of Subscriber pulling subscription
	2.3.114.4 pkid (FI-1406)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Used only to trigger MakeDB to generate Change Notification triggers
Uniqueness:	No multicolumn uniqueness constraints	

2.3.115 intercomdynamic (TI-490)

Description:	Reserved for future use; Current device association for Intercom line when used with EM. Insert/Delete is not allowed.

Fields:

2.3.115.1 datetimestamp (FI-3646)

Type:	long (Not Modifiable)
Default Value:	0
Remarks:	Time value for last change (for replication conflict resolution)

2.3.115.2 fkdevice (FI-3645)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Reserved for future use; References the current active device associated with an intercom for EM

2.3.115.3 fknumplan (FI-3644)

Type:	guid (Unique, Cascade Delete, Not Modifiable)
Remarks:	References Intercom pattern in NumPlan table

2.3.115.4 pkid (FI-3643)

Type:	guid (Unique, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.115.5 versionstamp (FI-3647)

Type:	string [47] (Null OK)
Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
Remarks:	New guid plus seconds past midnight 1970 are concatenated

Uniqueness:	No multicolumn uniqueness constraints

2.3.116 ipmalineinfo (TI-244)

Description:	IPMA relationship between two lines for two users

Fields:		
	2.3.116.1 fkenduser (FI-1764)	
	Type:	guid (Cascade Delete)
	Remarks:	Asst?
	2.3.116.2 fknumplan (FI-1765)	
	Type:	guid (Cascade Delete)
	2.3.116.3 ikipmalineinfo (FI-1767)	
	Type:	guid (Null OK)
	Remarks:	Manager's line
	2.3.116.4 isprimary (FI-1766)	
	Type:	bool
	Default Value:	FALSE
	2.3.116.5 lineindex (FI-1768)	
	Type:	long
	Remarks:	Ordering of lines.
	2.3.116.6 pkid (FI-1763)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.117 ipmamanagerassistant (TI-242)

Description:	Relationship for IPMA between a manager and an assistant

Fields:		
	2.3.117.1 fkenduser_assistant (FI-1744)	
	Type:	guid (Cascade Delete)
	2.3.117.2 fkenduser_manager (FI-1743)	
	Type:	guid (Cascade Delete)
	2.3.117.3 pkid (FI-1742)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.118 ipmastaticdata (TI-243)

Description:	IPMA data that used to be in a BLOB	
Fields:	**2.3.118.1 diverttargetnumber (FI-1756)**	
	Type:	dn
	DN Type:	DN_TYPE_ALL_DIGITS
	Default Value:	EMPTY
	2.3.118.2 filterexclusive (FI-1759)	
	Type:	string [1024]
	Default Value:	EMPTY
	Validation:	^(?!.{1025,})[0-9*+X]+(~&\^[0-9*+X]+)*$
	Remarks:	digit strings (0-9*+X) separated by delimiter "~&^"
	2.3.118.3 filterinclusive (FI-1758)	
	Type:	string [1024]
	Default Value:	EMPTY
	Validation:	^(?!.{1025,})[0-9*+X]+(~&\^[0-9*+X]+)*$
	Remarks:	digit strings (0-9*+X) separated by delimiter "~&^"
	2.3.118.4 fkdevice (FI-1747)	
	Type:	guid (Cascade Delete)

2.3.118.5 fkenduser (FI-1746)	
Type:	guid (Cascade Delete)
2.3.118.6 fkenduser_defaultasst (FI-1757)	
Type:	guid (Null OK)
2.3.118.7 fknumplan_intercomdn (FI-1748)	
Type:	guid (Null OK)
2.3.118.8 fknumplan_primarydn (FI-1761)	
Type:	guid (Null OK)
2.3.118.9 mobilemanager (FI-1760)	
Type:	bool
Default Value:	FALSE
2.3.118.10 pkid (FI-1745)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.118.11 settingsdata (FI-1762)	
Type:	string [25000]
Default Value:	EMPTY
2.3.118.12 shortcutkeys (FI-1749)	
Type:	string [1024]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_`{\|}~\\-]{0,1024}$
2.3.118.13 tkipmalinemode (FI-1750)	
Type:	enum
Default Value:	1
2.3.118.14 tkipmatarget_divert (FI-1754)	
Type:	enum
Default Value:	2

Uniqueness:	No multicolumn uniqueness constraints

2.3.119 ipmauser (TI-193)

Description:	Additional IPMA information not in EndUser

Fields:

2.3.119.1 alerttone (FI-3281)

Type:	bool
Default Value:	TRUE

2.3.119.2 assistantwatch (FI-1191)

Type:	bool
Default Value:	FALSE

2.3.119.3 available (FI-1190)

Type:	bool
Default Value:	FALSE

2.3.119.4 callplaneoverwriteenabled (FI-3154)

Type:	bool
Default Value:	TRUE
Remarks:	True to allow screen refresh while on call, false to prevent screen refresh while attending a call

2.3.119.5 desktopauthenticated (FI-1189)

Type:	bool
Default Value:	FALSE

2.3.119.6 dnd (FI-1192)

Type:	bool
Default Value:	FALSE

2.3.119.7 filter (FI-1194)

Type:	bool
Default Value:	FALSE

2.3.119.8 filtertype (FI-1195)

Type:	long (Null OK)
Default Value:	NULL

2.3.119.9 fkenduser (FI-1186)	
Type:	guid (Unique, Cascade Delete, Null OK)
Default Value:	NULL
Migration Source:	EndUser.pkid for userId
2.3.119.10 phoneauthenticated (FI-1188)	
Type:	bool
Default Value:	FALSE
2.3.119.11 pkid (FI-1185)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.119.12 pool (FI-3282)	
Type:	long
Default Value:	1
Check Constraint:	(pool >= 1) AND (pool <= 10)
Remarks:	IPMA Pool from Service Parameters (ID 1 to 10)
2.3.119.13 sac (FI-1193)	
Type:	bool
Default Value:	FALSE
2.3.119.14 secretkey (FI-1196)	
Type:	string [64]
Default Value:	EMPTY
2.3.119.15 selecteduserid (FI-1197)	
Type:	string [64]
Default Value:	EMPTY
2.3.119.16 smartsortenabled (FI-3155)	
Type:	bool
Default Value:	FALSE
Remarks:	True to sort display by call state, false to sort in defined order

	2.3.119.17 usertype (FI-1187)
	Type: long
	Default Value: 0
Uniqueness:	No multicolumn uniqueness constraints

2.3.120 ivruserlocale (TI-455)

Description:	Order of prompts for IVR menus
Fields:	**2.3.120.1 orderindex (FI-3418)**
	Type: long
	Check Constraint: (orderIndex >= 1) AND (orderIndex <= 9)
	Remarks: Sort order for locales offered for IVR prompts
	2.3.120.2 pkid (FI-3416)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.120.3 tkuserlocale (FI-3417)
	Type: enum (Unique)
	Remarks: Locale used for IVR prompts (Mobility features)
Uniqueness:	No multicolumn uniqueness constraints

2.3.121 ldapauthentication (TI-251)

Description:	Used for authentication with Corp. Dir. Insert/Delete is not allowed.

Fields:		
	2.3.121.1 authenticatewithcorpdir (FI-1778)	
	Type:	bool
	Default Value:	FALSE
	2.3.121.2 ldapdn (FI-1729)	
	Type:	string [256]
	Default Value:	EMPTY
	2.3.121.3 ldappassword (FI-1730)	
	Type:	string [129]
	Default Value:	EMPTY
	Rule (RI-764):	Type: Validation (Insert/Update) Rule Name: LDAPPassword length restriction for LDAPAuthentication Table Description: on insert/update to check the lenght of the ldappassword field and throw an error accordingly Test Condition: On Insert to LDAPAuthentication Error Message: The encrypted form of the password is too large to be stored. Use a shorter or less complex password.
	2.3.121.4 pkid (FI-1726)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.121.5 userbase (FI-1731)	
	Type:	string [256]
	Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints	

2.3.122 ldapauthenticationhost (TI-262)

Description:	LDAP Server host name for authentication

Fields:	**2.3.122.1 hostname (FI-1847)**
	Type: string [128]
	Default Value: Host Name
	2.3.122.2 pkid (FI-1845)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.122.3 portnumber (FI-1939)
	Type: long
	2.3.122.4 priority (FI-1848)
	Type: long
	2.3.122.5 sslenabled (FI-1905)
	Type: bool
	2.3.122.6 tkldapprotocol (FI-1846)
	Type: enum (Not Modifiable)
Uniqueness:	tkldapprotocol + hostname is unique. (MFI-46)

2.3.123 ldapfilter (TI-283)

Description:	LDAP Filter
Fields:	**2.3.123.1 filter (FI-1995)**
	Type: string [256]
	Default Value: EMPTY
	2.3.123.2 pkid (FI-1993)
	Type: guid (Unique, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.123.3 tkldapserver (FI-1994)
	Type: enum

	Default Value:	1
Uniqueness:	No multicolumn uniqueness constraints	

2.3.124 ldapserverattribute (TI-267)

Description:	Prepopulated ldap attribute names for each server type
Fields:	**2.3.124.1 dirobjectname (FI-1898)**
	Type: string [128] (Null OK)
	2.3.124.2 pkid (FI-1961)
	Type: guid (Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.124.3 tkldapserver (FI-1896)
	Type: enum
	2.3.124.4 tkldapserverattr (FI-1897)
	Type: enum
Uniqueness:	No multicolumn uniqueness constraints

2.3.125 ldapsystemconfig (TI-274)

Description:	LDAP System Config Insert/Delete is not allowed.
Fields:	**2.3.125.1 pkid (FI-1963)**
	Type: guid (Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.125.2 syncenabled (FI-1944)
	Type: bool
	Default Value: 0
	Remarks: Indicates whether plugin is enabled

2.3.125.3 tkldapserver (FI-1943)	
Type:	enum (Null OK)
Default Value:	1
2.3.125.4 useridattributename (FI-1941)	
Type:	string [64] (Null OK)
Default Value:	None
Remarks:	Attribute name to be used for Userid
Uniqueness:	No multicolumn uniqueness constraints

2.3.126 licensedistributionused (TI-362)

Description: Contains information about license units distributed and license units checked out to each license server for each feature
Records may be modified only by installation and/or DB triggers.

Fields:

2.3.126.1 distributedlicenseunits (FI-2683)	
Type:	long
Default Value:	0
Remarks:	Number of license units available on each license server for each feature.
2.3.126.2 fklicenseserver (FI-2681)	
Type:	guid (Cascade Delete)
2.3.126.3 pendinglicenseunits (FI-3591)	
Type:	long (Not Modifiable)
Default Value:	0
Remarks:	Number of DLUs required to convert BAT dummy phones (or other inactive device) to a real licenses phone
2.3.126.4 pkid (FI-2680)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.126.5 tklicensefeature (FI-2682)	
Type:	enum

2.3.126.6 usedlicenseunits (FI-2694)	
Type:	long
Default Value:	0
Remarks:	Cumulative license units checked out from each license server.
Uniqueness:	No multicolumn uniqueness constraints

2.3.127 licenseinfo (TI-394)

Description:	Licenseing acccounting for a server for a partincular fearture Records may be modified only by installation and/or DB triggers.
Fields:	
2.3.127.1 fklicenseserver (FI-2939)	
Type:	guid
2.3.127.2 isdemo (FI-3414)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	License is for demonstration (trial) only
2.3.127.3 isvalid (FI-5451)	
Type:	bool (Not Modifiable)
Default Value:	TRUE
2.3.127.4 licenselineid (FI-5078)	
Type:	long (Not Modifiable)
Default Value:	1
Check Constraint:	(LicenseLineID >= 0) AND (LicenseLineID <= 5000)
Remarks:	LicenseLineID
2.3.127.5 licenseunits (FI-2941)	
Type:	long
Default Value:	0
Remarks:	Number of license units available on each license server for each feature.
2.3.127.6 licfileid (FI-3051)	
Type:	string [50]

Default Value:	EMPTY
Remarks:	identifer of license file. example 20050826140539162
2.3.127.7 licfileversion (FI-3052)	
Type:	string [10]
Default Value:	EMPTY
Remarks:	version of license file. example 1.0
2.3.127.8 macaddress (FI-2943)	
Type:	string [50]
Default Value:	EMPTY
Remarks:	This is the media access control (MAC) address of the network interface card (NIC) of server where intial license was isuesed
2.3.127.9 origmacid (FI-3050)	
Type:	string [50]
Default Value:	EMPTY
Remarks:	This is a second media access control (MAC) address of the network interface card (NIC) of server where intial license was isuesed. example 000BCD4EE59D
2.3.127.10 overdraftunits (FI-2942)	
Type:	long
Default Value:	0
2.3.127.11 pkid (FI-2938)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.127.12 tklicensefeature (FI-2940)	
Type:	enum (Not Modifiable)
2.3.127.13 upgradefromwindows (FI-5079)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	The default for UpgradeFromWindows is false
2.3.127.14 version (FI-2944)	

	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints	

2.3.128 licenseserver (TI-359)

Description: The prioritized list of license servers is specified in this table
Records may be modified only by installation and/or DB triggers.

Fields:

2.3.128.1 description (FI-2983)

Type:	string [128]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,128}$

2.3.128.2 fkprocessnode (FI-2982)

Type:	guid (Indexed, Cascade Delete)
Remarks:	associated processnode to license server

2.3.128.3 graceleftdays (FI-5453)

Type:	long (Not Modifiable)
Default Value:	0

2.3.128.4 gracestarttime (FI-5452)

Type:	long (Not Modifiable)
Default Value:	0

2.3.128.5 name (FI-2669)

Type:	string [255] (Unique, Indexed)
Remarks:	Could be hostname or ip address

2.3.128.6 pkid (FI-2668)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

	Rule (RI-259):	Type:	Active (Insert)
		Rule Name:	Insert of LicenseServer inserts default 0 records to LicenseDistributionUsed table
		Description:	Active rule to ensure that admin stored procedure works fine with default values in LicenseDistributionUsed table
		Test Condition:	If cannot insert into LicenseDistributionUsed table throw error
		Error Message:	Could not insert into LicenseDistributionUsed on insert of LicenseServer

2.3.128.7 priority (FI-2670)

Type:	long (Unique)
Default Value:	0
Remarks:	Specifies which license server has greater priority for the cluster.

Uniqueness:	No multicolumn uniqueness constraints

2.3.129 linegroup (TI-203)

Description:	Used by Route/Hunt Lists

Fields:

2.3.129.1 name (FI-1354)

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,50}$
Remarks:	Unique name

2.3.129.2 pkid (FI-1352)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.129.3 rnareversiontimeout (FI-1353)

Type:	long
Default Value:	10
Check Constraint:	(rnaReversionTimeout >= 1) AND (rnaReversionTimeout <= 180)
Remarks:	Time, in seconds, after which call distribution will distribute a call to the next available or idle member of this line group if the call is not answered.

2.3.129.4 tkdistributealgorithm (FI-1355)

Type:	enum	
Default Value:	3	
Remarks:	Distribution algorithm. It could be Top Down, Circular, Longest Idle Time (default) or Broadcast.	
Rule (RI-177):	Type:	Validation (Insert/Update)
	Rule Name:	Distribution Algorithms for Line Groups
	Description:	Valid Distribution Algorithms for Line Groups (TypeGroup = 2) are defined by the mask value for each item in the TypeDistributeAlgorithm table. Only items where the mask value includes the group type (2) are allowed.
	Test Condition:	IF (@LineGroup.tkDistributeAlgorithm NOT IN (SELECT Enum FROM TypeDistributeAlgorithm WHERE (MaskOR2 = TRUE))) THEN throw exception.
	Error Message:	The specified Distribution Algorithm is not valid for Line Groups.
	Remedy:	Use a Distribution Algorithm that is compatible with Line Groups and try again.

2.3.129.5 tkhuntalgorithm_busy (FI-1628)

Type:	enum
Default Value:	1

2.3.129.6 tkhuntalgorithm_down (FI-1629)

Type:	enum
Default Value:	1

2.3.129.7 tkhuntalgorithm_rna (FI-1627)

Type:	enum
Default Value:	1

Uniqueness:	No multicolumn uniqueness constraints

2.3.130 linegroupnumplanmap (TI-202)

Description:	Maps Line Groups to NumPlans to be used by Route/Hunt Lists

Fields:

2.3.130.1 fklinegroup (FI-1357)

Type:	guid (Cascade Delete)

2.3.130.2 fknumplan (FI-1358)

Type:	guid (Cascade Delete)	
Rule (RI-200):	Type:	Validation (Insert/Update)
	Rule Name:	LineGroup member restriction
	Description:	Line Groups can contain (reference) Device and VM Port DNs (NumPlan.tkPatternUsage = 2 or 8).
	Test Condition:	ON INSERT/UPDATE IN LineGroupNumPlanMap IF (SELECT tkPatternUsage FROM NumPlan WHERE pkid = @LineGroupNumPlanMap.fkNumPlan) NOT IN (2, 8) THEN throw exception
	Error Message:	Line Groups can contain directory numbers and Voice Mail Port numbers only.
	Remedy:	Check the pattern usage for the number being added to the Line Group to make sure it is one of the allowed types and try again.
Rule (RI-253):	Type:	Validation (Insert/Update)
	Rule Name:	NumPlan associated with LineGroup
	Description:	If a cti port is already in a DeviceNumPlanMap, its LineGroup association is not allowed
	Test Condition:	?

2.3.130.3 lineselectionorder (FI-1359)

Type:	long
Remarks:	There is no requirment for this index to be sequential per LineGroup nor to begin with a particular value per Line Group.

2.3.130.4 pkid (FI-1356)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Uniqueness:

fklinegroup + lineselectionorder is unique. (MFI-48)
fklinegroup + fknumplan is unique. (MFI-90)

2.3.131 location (TI-111)

Description:	Location to specify the number/combined size of calls within a zone

Fields:

2.3.131.1 fkmatrix (FI-2576)

Type:	guid (Null OK)	
Default Value:	NULL	
Remarks:	Pkid of Matrix record for RSVP Policy	
Rule (RI-114):	Type:	Validation (Update/Delete)
	Rule Name:	Standard Location Update or Delete
	Description:	Can not update or delete a standard location.
	Test Condition:	On Update or Delete Location
Rule (RI-248):	Type:	Active (Insert) This field is modified by this rule.
	Rule Name:	BeforeInsLocation
	Description:	Before inserting into location table add a new record to Matrix and MatrixMember and set it to fkMatrix for Location record
	Test Condition:	?
	Error Message:	?
	Remedy:	?
Rule (RI-248):	Type:	Active (Insert)
	Rule Name:	BeforeInsLocation
	Description:	Before inserting into location table add a new record to Matrix and MatrixMember and set it to fkMatrix for Location record
	Test Condition:	?
	Error Message:	?
	Remedy:	?

Rule (RI-249):	Type:	Active (Delete)
	Rule Name:	BeforeDelLocation
	Description:	Before deleting from Location delete the corresponding fkMatrix from Matrix table
	Test Condition:	?
	Error Message:	?
	Remedy:	?

2.3.131.2 id (FI-760)

Type:	long (Unique, Not Modifiable)	
Rule (RI-114):	Type:	Validation (Update/Delete)
	Rule Name:	Standard Location Update or Delete
	Description:	Can not update or delete a standard location.
	Test Condition:	On Update or Delete Location
Rule (RI-303):	Type:	Active (Insert)
	Rule Name:	Generate Location ID on Insert
	Description:	When a record is inserted in the Location table, a unique numeric identifier is created (by incrementing highest existing ID value) and stored in the ID column.
	Test Condition:	@Location.ID = (SELECT MAX(ID) FROM Location) + 1
Rule (RI-303):	Type:	Active (Insert) This field is modified by this rule.
	Rule Name:	Generate Location ID on Insert
	Description:	When a record is inserted in the Location table, a unique numeric identifier is created (by incrementing highest existing ID value) and stored in the ID column.
	Test Condition:	@Location.ID = (SELECT MAX(ID) FROM Location) + 1

2.3.131.3 isstandard (FI-2887)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Whether it is standard

Rule (RI-114):	Type:	Validation (Update/Delete)
	Rule Name:	Standard Location Update or Delete
	Description:	Can not update or delete a standard location.
	Test Condition:	On Update or Delete Location

2.3.131.4 kbits (FI-596)

Type:	long
Check Constraint:	(Kbits >= 0) AND (Kbits <= 2147483647)
Remarks:	Maximum amount of audio bandwidth (in kbps) that is available for all audio calls on the link between this location and other locations. For audio calls, the audio bandwidth includes overhead.

Rule (RI-114):	Type:	Validation (Update/Delete)
	Rule Name:	Standard Location Update or Delete
	Description:	Can not update or delete a standard location.
	Test Condition:	On Update or Delete Location

2.3.131.5 name (FI-595)

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,50}$
Remarks:	Unique name.

Rule (RI-114):	Type:	Validation (Update/Delete)
	Rule Name:	Standard Location Update or Delete
	Description:	Can not update or delete a standard location.
	Test Condition:	On Update or Delete Location

Rule (RI-248):	Type:	Active (Insert)
	Rule Name:	BeforeInsLocation
	Description:	Before inserting into location table add a new record to Matrix and MatrixMember and set it to fkMatrix for Location record
	Test Condition:	?
	Error Message:	?
	Remedy:	?

2.3.131.6 pkid (FI-593)		
Type:	guid (Unique, Indexed, Not Modifiable)	
Default Value:	newid()	
Migration Source:	Generated	
Remarks:	Unique ID to identify a record.	
Rule (RI-114):	Type:	Validation (Update/Delete)
	Rule Name:	Standard Location Update or Delete
	Description:	Can not update or delete a standard location.
	Test Condition:	On Update or Delete Location
2.3.131.7 resynctoggle (FI-3152)		
Type:	bool	
Default Value:	FALSE	
Remarks:	Should this location be resyced	
2.3.131.8 videokbits (FI-1228)		
Type:	long	
Default Value:	384	
Check Constraint:	(videoKBits >= -1) AND (videoKBits <= 2147483647)	
Remarks:	Maximum amount of video bandwidth (in kbps) that is available for all video calls on the link between this location and other locations. For video calls, the video bandwidth does not include overhead.	
Rule (RI-114):	Type:	Validation (Update/Delete)
	Rule Name:	Standard Location Update or Delete
	Description:	Can not update or delete a standard location.
	Test Condition:	On Update or Delete Location
Uniqueness:	No multicolumn uniqueness constraints	

Rules:	Rule (RI-114):		
		Type:	Validation (Update/Delete) Rule applied when record is inserted.
		Rule Name:	Standard Location Update or Delete
		Description:	Can not update or delete a standard location.
		Test Condition:	On Update or Delete Location

2.3.132 matrix (TI-318)

Description:	Generic Matrix Table

Fields:

2.3.132.1 description (FI-2374)

Type:	string [100] (Null OK)
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,100}$
Remarks:	Description of the matrix record

2.3.132.2 ikmatrix (FI-2577)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Pkid of Matrix record for chaining.

2.3.132.3 isstandard (FI-2750)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Whether it is a standard security policy

2.3.132.4 name (FI-2373)

Type:	string [50]
Validation:	^[a-zA-Z 0-9._-]{1,50}$
Remarks:	A name to identify the record

2.3.132.5 pkid (FI-2372)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()

	Remarks:	Unique ID to identify a record.
	2.3.132.6 tkmatrix (FI-2375)	
	Type:	enum (Indexed, Not Modifiable)
	Remarks:	Type of Matrix record
Uniqueness:	name + tkmatrix is unique. (MFI-86)	

2.3.133 matrixmember (TI-320)

Description:	Member records for Matrix
Fields:	**2.3.133.1 fkmatrix_1 (FI-2380)**
	Type: guid (Cascade Delete)
	Remarks: Pkid of Matrix record
	2.3.133.2 fkmatrix_2 (FI-2381)
	Type: guid (Cascade Delete)
	Remarks: Pkid of Matrix related record
	2.3.133.3 pkid (FI-2379)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.133.4 tkmatrixvalue (FI-2382)
	Type: enum
	Remarks: Refers to the various types but for a particular Matrix type
Uniqueness:	fkmatrix_1 + fkmatrix_2 is unique. (MFI-88)

Rules:	Rule (RI-209):	Type:	Validation (Insert/Update) Rule applied when record is inserted or updated.
		Rule Name:	Cannot mix Matrix types in MatrixMember
		Description:	The two Matrix records referenced by a record in MatrixMember must be of the same type (Matrix.tkMatrix must match).
		Test Condition:	ON INSERT/UPDATE IN MatrixMember IF (SELECT tkMatrix FROM Matrix WHERE pkid = @MatrixMember.fkMatrix_1) <> (SELECT tkMatrix FROM Matrix WHERE pkid = @MatrixMember.fkMatrix_2) THEN throw exception
		Error Message:	Cannot mix Matrix types in Matrix Members.
		Remedy:	Make sure both Matrix records are of the same type and try to insert the MatrixMember record again.
	Rule (RI-211):	Type:	Validation (Insert/Update) Rule applied when record is inserted or updated. This table is modified by this rule.
		Rule Name:	MatrixMember Default Value Restriction
		Description:	The tkMatrixValue of a MatrixMember should not be the same as the MatrixMemberDefault for the referenced Matrix records.
		Test Condition:	?
		Error Message:	?
		Remedy:	?

2.3.134 mediamixer (TI-22)

Description:	Software conference bridge device settings

Fields:

2.3.134.1 basemulticastaddress (FI-223)

Type:	string [15]
Default Value:	EMPTY
Migration Source:	BaseMulticastAddress

2.3.134.2 basemulticastport (FI-224)

Type:	long (Null OK)
Default Value:	NULL
Migration Source:	BaseMulticastPort

2.3.134.3 fkdevice (FI-221)

Type:	guid (Unique, Indexed, Cascade Delete)
Migration Source:	convert from DeviceName

Rule (RI-115):

Type:	Validation (Insert/Update)
Rule Name:	Media Mixer Device
Description:	The records in MediaMixer table must reference a media resource device
Test Condition:	SELECT count(*) into nRows FROM ProductSupportsFeature WHERE (tkProduct IN (SELECT tkProduct FROM ProductSupportsFeature WHERE tkSupportsFeature = 14)) AND tkDeviceProtocol IN ((SELECT tkDeviceProtocol FROM Device where pkid = @mediamixer.fkDevice),99)
Error Message:	MediaMixer table may only reference Media Resource devices.
Remedy:	Correct the fkDevice value to refer to a Media Resource device.

2.3.134.4 maxstreams (FI-222)

Type:	long
Check Constraint:	MaxStreams >= 0
Migration Source:	MaxStreams
Remarks:	Number of ports supported.

	Rule (RI-116):	Type:	Validation (Insert/Update)
		Rule Name:	Max Streams for SUMMIT Device
		Description:	Sum of max streams for all media resources configured on a Summit device (CFB, MTP, XCODE, ANN) cannot exceed 128.
		Test Condition:	IF (SELECT SUM(MaxStreams) FROM MediaMixer WHERE fkDevice = @Device.pkid) > 128 THEN throw exception
		Error Message:	The sum of the streams configured for all media resources (CFB, MTP, XCODE, ANN) associated with this gateway cannot exceed 128.
		Remedy:	Reduce the MaxStreams for this device and try again. It may be necessary to reduce the streams used by another device associated with this gateway to allow enough streams to be allocated for the current device.

2.3.134.5 pkid (FI-220)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

Uniqueness:	No multicolumn uniqueness constraints

Rules:

Rule (RI-116):	Type:	Validation (Insert/Update) Rule applied when record is inserted or updated.
	Rule Name:	Max Streams for SUMMIT Device
	Description:	Sum of max streams for all media resources configured on a Summit device (CFB, MTP, XCODE, ANN) cannot exceed 128.
	Test Condition:	IF (SELECT SUM(MaxStreams) FROM MediaMixer WHERE fkDevice = @Device.pkid) > 128 THEN throw exception
	Error Message:	The sum of the streams configured for all media resources (CFB, MTP, XCODE, ANN) associated with this gateway cannot exceed 128.
	Remedy:	Reduce the MaxStreams for this device and try again. It may be necessary to reduce the streams used by another device associated with this gateway to allow enough streams to be allocated for the current device.

Rule (RI-188):	Type:	Active (Insert) Rule applied when record is inserted. This table is modified by this rule.
	Rule Name:	Insert Media Streaming Devices
	Description:	When a ProcessNodeService record for a Media Streaming service is inserted, database automatically inserts the four media streaming Device records for the service: Annunciator, Software Conference Bridge, Music On Hold, and Software MTP. In addition, a MOHServer record is inserted for the MOH device, and a MediaMixer record is inserted for the MTP device.
	Test Condition:	On Insert to ProcessNodeService WHERE tkService=3

2.3.135 mediaresourcegroup (TI-151)

Description: A group of media resources to be used by a device

Fields:

2.3.135.1 description (FI-858)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{0,50}$
Remarks:	Description for the Media Resource Group.

2.3.135.2 multicast (FI-956)

Type:	bool
Remarks:	Whether to use multicast for Music On Hold Audio.

2.3.135.3 name (FI-857)

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,50}$
Remarks:	Unique name to identify the Media Resource Group.

	Rule (RI-233):	Type:	Active (Insert/Update/Delete records)
		Rule Name:	buildMRLClause
		Description:	Updates the MediaResourceList Clause field with MediaResourceGroup.name values.
		Test Condition:	?
		Error Message:	FAILURE
		Remedy:	?

2.3.135.4 pkid (FI-856)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

Rule (RI-233):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	buildMRLClause
	Description:	Updates the MediaResourceList Clause field with MediaResourceGroup.name values.
	Test Condition:	?
	Error Message:	FAILURE
	Remedy:	?

2.3.135.5 resettoggle (FI-3094)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset

2.3.135.6 tkreset (FI-3095)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

Uniqueness:	No multicolumn uniqueness constraints

2.3.136 mediaresourcegroupmember (TI-152)

Description:	Ties devices to Media Resource Groups

Fields:

2.3.136.1 fkdevice (FI-862)

Type:	guid (Cascade Delete)
Remarks:	1-20 per group

Rule (RI-117):

Type:	Validation (Insert/Update)
Rule Name:	Media Resource Group Member Devices
Description:	Valid member device types for Media Resource Groups are products for which a record exists in ProductSupportsFeature where tkSupportsFeature = SUPPORTS_FEATURE_MEDIA_RESOURCE_MANAGED (14).
Test Condition:	SELECT count(*) into nRows FROM ProductSupportsFeature WHERE (tkProduct IN (SELECT tkProduct FROM ProductSupportsFeature WHERE tkSupportsFeature = 14)) AND tkDeviceProtocol IN ((SELECT tkDeviceProtocol FROM Device where pkid = @MediaResourceGroupMember.fkDevice),99)
Error Message:	Only Media Resource devices can be members of Media Resource Groups.
Remedy:	Correct the fkDevice value to refer to a Media Resource device.

2.3.136.2 fkmediaresourcegroup (FI-861)

Type:	guid (Cascade Delete)

2.3.136.3 pkid (FI-860)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Uniqueness:	fkmediaresourcegroup + fkdevice is unique. (MFI-61)

2.3.137 mediaresourcelist (TI-153)

Description:	A list of MediaResourceGroups to be used by a device

Fields:		
	2.3.137.1 clause (FI-869)	
	Type:	memo (Not Modifiable, Null OK)
	Default Value:	NULL
	Remarks:	Trigger updated. Colon separated list.
	2.3.137.2 name (FI-864)	
	Type:	string [50] (Unique)
	Validation:	^[a-zA-Z 0-9._-]{1,50}$
	Remarks:	Unique name to identify the Media Resource Group List.
	2.3.137.3 pkid (FI-863)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.137.4 resettoggle (FI-3092)	
	Type:	bool
	Default Value:	FALSE
	Remarks:	Should this device or group be reset
	2.3.137.5 tkreset (FI-3093)	
	Type:	enum
	Default Value:	2
	Remarks:	Set by DeviceReset stored procedure.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.138 mediaresourcelistmember (TI-154)

Description:	Ties Media Resource Groups to Media Resource Lists

Fields:

2.3.138.1 fkmediaresourcegroup (FI-867)

Type:	guid (Cascade Delete)
Remarks:	Media resource group that belongs to this Media Resource Group List.

2.3.138.2 fkmediaresourcelist (FI-866)

Type:	guid (Cascade Delete)	
Rule (RI-233):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	buildMRLClause
	Description:	Updates the MediaResourceList Clause field with MediaResourceGroup.name values.
	Test Condition:	?
	Error Message:	FAILURE
	Remedy:	?

2.3.138.3 pkid (FI-865)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.138.4 sortorder (FI-868)

Type:	long
Remarks:	There is no requirement for this index to be sequential nor to start with any particular value for a Media Resource Group.

Uniqueness:

fkmediaresourcelist + fkmediaresourcegroup is unique. (MFI-49)
fkmediaresourcelist + sortorder is unique. (MFI-62)

2.3.139 mgcp (TI-102)

Description: MGCP device information sometimes refered to as box level information

Fields:

2.3.139.1 description (FI-480)

Type:	string [100]
Default Value:	EMPTY
Migration Source:	new
Remarks:	Description of the MGCP gateway that clarifies the purpose of the device.

2.3.139.2 domainname (FI-479)

Type:	string [64] (Unique)
Default Value:	EMPTY
Migration Source:	new
Remarks:	Name that identifies the Cisco MGCP gateway.
Rule (RI-174):	

Type:	Active (Update)
Rule Name:	Update MGCP table with a device name change
Description:	When MGCP table is updated and there is a device name change, then all devices need a change in the device name. To get all devices, link to MGCPDeviceMember with MGCPDeviceMember.fkmgcp = MGCP.pkid and then link to Device table using MGCPDeviceMember.fkdevice = Device.pkid. For example - old domain name = 364xxgateway, old device names = S1/DS1-2@364xxgateway, S1/DS1-3@364xxgateway.. Etc. New domain name 26xxgateway, new device names should change to = S1/DS1-2@26xxgateway, S1/DS1-3@26xxgateway.. Etc. There is an exception to this rule, which is VGC Gateway. For VGC Gateway, the domainname will be like "VGCGW" + < 10 characters of Mac address> .(for example VGCGW345FFA3456). Device name will be "VGC" + < 10 characters of Mac address> + < 2 characters for port > . (for example a device name will be VGC345FFA345608). When there is a domain name change, what changes here is the 10 characters of Mac address, which need to be properly updated in the device name also.
Test Condition:	On update of MGCP. Here is the sql string currently used in Admin. Once it is active in DBL, we can remove this. "UPDATE device SET name = Replace(name, '" + oldName + "','" + newName + "') WHERE pkid in " + "(SELECT fkdevice FROM mgcpdevicemember where fkmgcp = '" + mgcpId + "')"

2.3.139.3 fkcallmanagergroup (FI-924)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Cisco CallManager redundancy group.

2.3.139.4 pkid (FI-478)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
Rule (RI-174):	Type: Active (Update) Rule Name: Update MGCP table with a device name change Description: When MGCP table is updated and there is a device name change, then all devices need a change in the device name. To get all devices, link to MGCPDeviceMember with MGCPDeviceMember.fkmgcp = MGCP.pkid and then link to Device table using MGCPDeviceMember.fkdevice = Device.pkid. For example - old domain name = 364xxgateway, old device names = S1/DS1-2@364xxgateway, S1/DS1-3@364xxgateway.. Etc. New domain name 26xxgateway, new device names should change to = S1/DS1-2@26xxgateway, S1/DS1-3@26xxgateway.. Etc. There is an exception to this rule, which is VGC Gateway. For VGC Gateway, the domainname will be like "VGCGW" + < 10 characters of Mac address> .(for example VGCGW345FFA3456). Device name will be "VGC" + < 10 characters of Mac address> + < 2 characters for port > . (for example a device name will be VGC345FFA345608). When there is a domain name change, what changes here is the 10 characters of Mac address, which need to be properly updated in the device name also. Test Condition: On update of MGCP. Here is the sql string currently used in Admin. Once it is active in DBL, we can remove this. "UPDATE device SET name = Replace(name, '" + oldName + "','" + newName + "') WHERE pkid in " + "(SELECT fkdevice FROM mgcpdevicemember where fkmgcp = '" + mgcpId + "')"

2.3.139.5 resettoggle (FI-3108)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset
Rule (RI-218):	Type: Active (Insert/Update) Rule Name: Gateway versionstamp Description: on change to anything in Gateway xml file, update versionstamp Test Condition: update device

2.3.139.6 scratch (FI-689)

Type:	string [50]
Default Value:	EMPTY

Remarks:	Used to store temporary info for GUI

2.3.139.7 specialloadinformation (FI-1184)

Type:	string [32] (Null OK)
Default Value:	NULL

2.3.139.8 tkclass (FI-2648)

Type:	enum (Not Modifiable)
Default Value:	2

2.3.139.9 tkdeviceprotocol (FI-2175)

Type:	enum
Default Value:	12

2.3.139.10 tkproduct (FI-798)

Type:	enum (Null OK)
Default Value:	43

2.3.139.11 tkreset (FI-3109)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.139.12 versionstamp (FI-977)

Type:	string [47] (Null OK)
Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
Remarks:	New guid is generated every time this gateway is updated
Rule (RI-218):	Type: Active (Insert/Update) Rule Name: Gateway versionstamp Description: on change to anything in Gateway xml file, update versionstamp Test Condition: update device

	Rule (RI-218):	Type:	Active (Insert/Update) This field is modified by this rule.
		Rule Name:	Gateway versionstamp
		Description:	on change to anything in Gateway xml file, update versionstamp
		Test Condition:	update device
	Rule (RI-220):	Type:	Active (Insert/Update/Delete records) This field is modified by this rule.
		Rule Name:	sip dialrules versionstamp
		Description:	on change to anything in sip dialrules xml file, update versionstamp
		Test Condition:	update sip dialrules
	2.3.139.13 xml (FI-934)		
	Type:	string [24000] (Null OK)	
	Default Value:	NULL	
	Remarks:	Product configuration XML not used by CCM	
	Rule (RI-195):	Type:	Validation (Insert/Update) This field is modified by this rule.
		Rule Name:	MGCP.xml validation
		Description:	Product specific information for each MGCP Gateway needs to be validated before storing in xml column. Validation is now performed using client side script at Admin pages. This involves reading the display instance xml (from scratch table) for the specific product, then for each parameter , read the corresponding rule xml record (scratch table) and validate the parameter value as defined in the rule.
		Test Condition:	On Insert/Update to MGCP table (MGCP Gateway)
Uniqueness:	No multicolumn uniqueness constraints		

Rules:	Rule (RI-118):	Type:	Active (Insert/Update) Rule applied when record is inserted.
		Rule Name:	MGCP Port copy to Device Subunit
		Description:	MGCPDeviceMember table's Port field value is copied to Device table's Subunit field.
		Test Condition:	UPDATE Device SET Subunit = MGCPDeviceMember.Port WHERE Device.pkid = MGCP.fkDevice
	Rule (RI-119):	Type:	Active (Insert/Update/Delete records) Rule applied when record is inserted.
		Rule Name:	MGCP Slot copy to Device Unit
		Description:	MGCPDeviceMember table's Slot field value is copied to Device table's Unit field.
		Test Condition:	UPDATE Device SET Unit = MGCPDeviceMember.Slot WHERE Device.pkid = MGCP.fkDevice

2.3.140 mgcpdevicemember (TI-103)

Description:	Relationships between MGCP and Devices.

Fields:

2.3.140.1 fkdevice (FI-482)

Type:	guid (Indexed)	
Migration Source:	new	
Rule (RI-118):	Type:	Active (Insert/Update)
	Rule Name:	MGCP Port copy to Device Subunit
	Description:	MGCPDeviceMember table's Port field value is copied to Device table's Subunit field.
	Test Condition:	UPDATE Device SET Subunit = MGCPDeviceMember.Port WHERE Device.pkid = MGCP.fkDevice

Rule (RI-173):	Type:	Active (Insert/Update)
	Rule Name:	Update MGCPdevicemember.port to device name
	Description:	When an MGCPDevicemember record is updated, if the port value is changed, that should reflect in the device name also. Device name for a gateway is built from endpointformat which is available in the gatewaylayout table. Check this value and re-build the device name with the new port value. [Example. Name format= "S[slot]/DS1-[port]" . Old device name in device table= "S1/DS1-3@3745gateway". New value for port = 5. New device name = "S1/DS1-5@3745gateway".] . To get the endpointformat, we need to link between mgcpdevicemember and mgcpslotconfig (using fkmgcp, slot and subunit) and then with gatewaylayout (with slot position, tkproduct, tkmgcpslotmodule and tkmgcpvic).
	Test Condition:	On update of MGCPDeviceMember
Rule (RI-358):	Type:	Active (Delete)
	Rule Name:	Remove MGCP Member Devices when MGCP is Deleted
	Description:	When the MGCP is deleted from database (MGCP table) the delete cascades to the MGCPDeviceMember table. When a member is deleted from that table, the corresponding device should be removed from the database automatically.
	Test Condition:	ON DELETE in MGCPDeviceMember: DELETE FROM Device WHERE pkid = @fkDevice;

2.3.140.2 fkmgcp (FI-481)

Type:	guid (Indexed, Cascade Delete)	
Migration Source:	new	
Rule (RI-118):	Type:	Active (Insert/Update)
	Rule Name:	MGCP Port copy to Device Subunit
	Description:	MGCPDeviceMember table's Port field value is copied to Device table's Subunit field.
	Test Condition:	UPDATE Device SET Subunit = MGCPDeviceMember.Port WHERE Device.pkid = MGCP.fkDevice

Rule (RI-173):	Type:	Active (Insert/Update)
	Rule Name:	Update MGCPdevicemember.port to device name
	Description:	When an MGCPDevicemember record is updated, if the port value is changed, that should reflect in the device name also. Device name for a gateway is built from endpointformat which is available in the gatewaylayout table. Check this value and re-build the device name with the new port value. [Example. Name format= "S[slot]/DS1-[port]" . Old device name in device table= "S1/DS1-3@3745gateway". New value for port = 5. New device name = "S1/DS1-5@3745gateway".] . To get the endpointformat, we need to link between mgcpdevicemember and mgcpslotconfig (using fkmgcp, slot and subunit) and then with gatewaylayout (with slot position, tkproduct, tkmgcpslotmodule and tkmgcpvic).
	Test Condition:	On update of MGCPDeviceMember
Rule (RI-358):	Type:	Active (Delete)
	Rule Name:	Remove MGCP Member Devices when MGCP is Deleted
	Description:	When the MGCP is deleted from database (MGCP table) the delete cascades to the MGCPDeviceMember table. When a member is deleted from that table, the corresponding device should be removed from the database automatically.
	Test Condition:	ON DELETE in MGCPDeviceMember: DELETE FROM Device WHERE pkid = @fkDevice;

2.3.140.3 pkid (FI-562)

Type:	guid (Unique, Indexed, Not Modifiable)	
Default Value:	newid()	
Migration Source:	Generated	
Remarks:	Unique ID to identify a record.	
Rule (RI-118):	Type:	Active (Insert/Update)
	Rule Name:	MGCP Port copy to Device Subunit
	Description:	MGCPDeviceMember table's Port field value is copied to Device table's Subunit field.
	Test Condition:	UPDATE Device SET Subunit = MGCPDeviceMember.Port WHERE Device.pkid = MGCP.fkDevice
Rule (RI-268):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	mgcpdevicemember versionstamp
	Description:	on change to anything in mgcpdevicemembermap table, update mgcp versionstamp
	Test Condition:	update mgcpdevicemember

2.3.140.4 port (FI-692)

Type:	long	
Default Value:	0	
Rule (RI-118):	Type:	Active (Insert/Update)
	Rule Name:	MGCP Port copy to Device Subunit
	Description:	MGCPDeviceMember table's Port field value is copied to Device table's Subunit field.
	Test Condition:	UPDATE Device SET Subunit = MGCPDeviceMember.Port WHERE Device.pkid = MGCP.fkDevice
Rule (RI-173):	Type:	Active (Insert/Update)
	Rule Name:	Update MGCPdevicemember.port to device name
	Description:	When an MGCPDevicemember record is updated, if the port value is changed, that should reflect in the device name also. Device name for a gateway is built from endpointformat which is available in the gatewaylayout table. Check this value and re-build the device name with the new port value. [Example. Name format= "S[slot]/DS1-[port]" . Old device name in device table= "S1/DS1-3@3745gateway". New value for port = 5. New device name = "S1/DS1-5@3745gateway".] . To get the endpointformat, we need to link between mgcpdevicemember and mgcpslotconfig (using fkmgcp, slot and subunit) and then with gatewaylayout (with slot position, tkproduct, tkmgcpslotmodule and tkmgcpvic).
	Test Condition:	On update of MGCPDeviceMember

2.3.140.5 slot (FI-690)

Type:	long	
Default Value:	0	
Rule (RI-118):	Type:	Active (Insert/Update)
	Rule Name:	MGCP Port copy to Device Subunit
	Description:	MGCPDeviceMember table's Port field value is copied to Device table's Subunit field.
	Test Condition:	UPDATE Device SET Subunit = MGCPDeviceMember.Port WHERE Device.pkid = MGCP.fkDevice

	Rule (RI-173):	Type:	Active (Insert/Update)
		Rule Name:	Update MGCPdevicemember.port to device name
		Description:	When an MGCPDevicemember record is updated, if the port value is changed, that should reflect in the device name also. Device name for a gateway is built from endpointformat which is available in the gatewaylayout table. Check this value and re-build the device name with the new port value. [Example. Name format= "S[slot]/DS1-[port]" . Old device name in device table= "S1/DS1-3@3745gateway". New value for port = 5. New device name = "S1/DS1-5@3745gateway".] . To get the endpointformat, we need to link between mgcpdevicemember and mgcpslotconfig (using fkmgcp, slot and subunit) and then with gatewaylayout (with slot position, tkproduct, tkmgcpslotmodule and tkmgcpvic).
		Test Condition:	On update of MGCPDeviceMember
	2.3.140.6 subunit (FI-691)		
	Type:	long (Null OK)	
	Default Value:	NULL	
	Rule (RI-173):	Type:	Active (Insert/Update)
		Rule Name:	Update MGCPdevicemember.port to device name
		Description:	When an MGCPDevicemember record is updated, if the port value is changed, that should reflect in the device name also. Device name for a gateway is built from endpointformat which is available in the gatewaylayout table. Check this value and re-build the device name with the new port value. [Example. Name format= "S[slot]/DS1-[port]" . Old device name in device table= "S1/DS1-3@3745gateway". New value for port = 5. New device name = "S1/DS1-5@3745gateway".] . To get the endpointformat, we need to link between mgcpdevicemember and mgcpslotconfig (using fkmgcp, slot and subunit) and then with gatewaylayout (with slot position, tkproduct, tkmgcpslotmodule and tkmgcpvic).
		Test Condition:	On update of MGCPDeviceMember
Uniqueness:	fkmgcp + fkdevice is unique. (MFI-63) fkmgcp + slot + subunit + port is unique. (MFI-68)		

2.3.141 mgcpslotconfig (TI-143)

Description:	Used by the GUI to show slots and VIC configurations for MGCP devices.

Fields:

2.3.141.1 beginningportnumber (FI-1202)

Type:	long (Null OK)	
Default Value:	NULL	
Rule (RI-180):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Update MGCPSlotConfig where beginportnumber change
	Description:	When beginPortNumber field of a MGCPSlotConfig table change, propagate that change to MGCPDevicemember table. This will affect MGCPDevicemember.port column. Example: Old value of MGCPSlotConfig.beginPortNumber = 3, New value is 6. That means for that slot / subunit, the port should start from 6. This will affect all MGCPDeviceMember records for that slot and subunit. Add 6 - 3 = 3 to the port value of MGCPDeviceMember record.
	Test Condition:	On Update of MGCPSlotConfig table. [When beginportnumber changes, link to MGCPDEviceMember table with fkmgcp, slot and subunit; set MGCPDeviceMember.port = MGCPDeviceMember.port + (new beginportnumber - old beginportnumber) ;]

2.3.141.2 fkmgcp (FI-802)

Type:	guid (Indexed, Cascade Delete)	
Rule (RI-180):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Update MGCPSlotConfig where beginportnumber change
	Description:	When beginPortNumber field of a MGCPSlotConfig table change, propagate that change to MGCPDevicemember table. This will affect MGCPDevicemember.port column. Example: Old value of MGCPSlotConfig.beginPortNumber = 3, New value is 6. That means for that slot / subunit, the port should start from 6. This will affect all MGCPDeviceMember records for that slot and subunit. Add 6 - 3 = 3 to the port value of MGCPDeviceMember record.
	Test Condition:	On Update of MGCPSlotConfig table. [When beginportnumber changes, link to MGCPDEviceMember table with fkmgcp, slot and subunit; set MGCPDeviceMember.port = MGCPDeviceMember.port + (new beginportnumber - old beginportnumber) ;]
Rule (RI-181):	Type:	Validation (Insert/Update)
	Rule Name:	Insert/Update of MGCPSlotConfig Slot field
	Description:	When a new record is inserted or a current record is updated in MGCPSlotConfig table, Slot value should be less than or equal to the maximum slot value allowed in Gateway layout table.
	Test Condition:	On Insert or Update of MGCP Gateway. Validation is required when updated through AXL.
	Error Message:	Slot value is not supported for this gateway

Rule (RI-182):	Type:	Validation (Insert/Update)
	Rule Name:	Insert/Update of MGCPSlotConfig MGCPSlotModule
	Description:	When a new record is inserted or a current record is updated in MGCPSlotConfig table MGCPSlotModule should be one of the allowed modules in Gateway layout table for that product in that slot position.
	Test Condition:	On Insert or Update of MGCP Gateway. Validation is required when updated through AXL.
	Error Message:	This Slot Module is not allowed at the current slot position for this gateway.
Rule (RI-183):	Type:	Validation (Insert/Update)
	Rule Name:	Insert/Update of MGCPSlotConfig MGCPVIC
	Description:	When a new record is inserted or a current record is updated in MGCPSlotConfig table MGCPVic should be one of the allowed VIC for that product, slot position and MGCPSlotModule.
	Test Condition:	On Insert or Update of MGCP Gateway. Validation is required when updated through AXL.
	Error Message:	This VIC card is not allowed for this gateway,under specified slot position and SlotModule.
Rule (RI-337):	Type:	Validation (Insert)
	Rule Name:	fkmgcp, slot, subunit should be unique in MGCPSlotConfig
	Description:	fkmgcp, slot, subunit should be unique in MGCPSlotConfig
	Test Condition:	fkmgcp, slot, subunit should be unique in MGCPSlotConfig

2.3.141.3 pkid (FI-799)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.141.4 slot (FI-800)

Type:	long
Default Value:	0

Rule (RI-180):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Update MGCPSlotConfig where beginportnumber change
	Description:	When beginPortNumber field of a MGCPSlotConfig table change, propagate that change to MGCPDevicemember table. This will affect MGCPDevicemember.port column. Example: Old value of MGCPSlotConfig.beginPortNumber = 3, New value is 6. That means for that slot / subunit, the port should start from 6. This will affect all MGCPDeviceMember records for that slot and subunit. Add 6 - 3 = 3 to the port value of MGCPDeviceMember record.
	Test Condition:	On Update of MGCPSlotConfig table. [When beginportnumber changes, link to MGCPDEviceMember table with fkmgcp, slot and subunit; set MGCPDeviceMember.port = MGCPDeviceMember.port + (new beginportnumber - old beginportnumber) ;]
Rule (RI-181):	Type:	Validation (Insert/Update)
	Rule Name:	Insert/Update of MGCPSlotConfig Slot field
	Description:	When a new record is inserted or a current record is updated in MGCPSlotConfig table, Slot value should be less than or equal to the maximum slot value allowed in Gateway layout table.
	Test Condition:	On Insert or Update of MGCP Gateway. Validation is required when updated through AXL.
	Error Message:	Slot value is not supported for this gateway
Rule (RI-182):	Type:	Validation (Insert/Update)
	Rule Name:	Insert/Update of MGCPSlotConfig MGCPSlotModule
	Description:	When a new record is inserted or a current record is updated in MGCPSlotConfig table MGCPSlotModule should be one of the allowed modules in Gateway layout table for that product in that slot position.
	Test Condition:	On Insert or Update of MGCP Gateway. Validation is required when updated through AXL.
	Error Message:	This Slot Module is not allowed at the current slot position for this gateway.
Rule (RI-183):	Type:	Validation (Insert/Update)
	Rule Name:	Insert/Update of MGCPSlotConfig MGCPVIC
	Description:	When a new record is inserted or a current record is updated in MGCPSlotConfig table MGCPVic should be one of the allowed VIC for that product, slot position and MGCPSlotModule.
	Test Condition:	On Insert or Update of MGCP Gateway. Validation is required when updated through AXL.
	Error Message:	This VIC card is not allowed for this gateway,under specified slot position and SlotModule.

Rule (RI-337):	Type:	Validation (Insert)
	Rule Name:	fkmgcp, slot, subunit should be unique in MGCPSlotConfig
	Description:	fkmgcp, slot, subunit should be unique in MGCPSlotConfig
	Test Condition:	fkmgcp, slot, subunit should be unique in MGCPSlotConfig

2.3.141.5 subunit (FI-801)

Type:	long (Null OK)
Default Value:	NULL

Rule (RI-180):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Update MGCPSlotConfig where beginportnumber change
	Description:	When beginPortNumber field of a MGCPSlotConfig table change, propagate that change to MGCPDevicemember table. This will affect MGCPDevicemember.port column. Example: Old value of MGCPSlotConfig.beginPortNumber = 3, New value is 6. That means for that slot / subunit, the port should start from 6. This will affect all MGCPDeviceMember records for that slot and subunit. Add 6 - 3 = 3 to the port value of MGCPDeviceMember record.
	Test Condition:	On Update of MGCPSlotConfig table. [When beginportnumber changes, link to MGCPDEviceMember table with fkmgcp, slot and subunit; set MGCPDeviceMember.port = MGCPDeviceMember.port + (new beginportnumber - old beginportnumber) ;]

Rule (RI-337):	Type:	Validation (Insert)
	Rule Name:	fkmgcp, slot, subunit should be unique in MGCPSlotConfig
	Description:	fkmgcp, slot, subunit should be unique in MGCPSlotConfig
	Test Condition:	fkmgcp, slot, subunit should be unique in MGCPSlotConfig

2.3.141.6 tkmgcpslotmodule (FI-805)

Type:	enum (Null OK)
Default Value:	NULL

	Rule (RI-182):	Type:	Validation (Insert/Update)
		Rule Name:	Insert/Update of MGCPSlotConfig MGCPSlotModule
		Description:	When a new record is inserted or a current record is updated in MGCPSlotConfig table MGCPSlotModule should be one of the allowed modules in Gateway layout table for that product in that slot position.
		Test Condition:	On Insert or Update of MGCP Gateway. Validation is required when updated through AXL.
		Error Message:	This Slot Module is not allowed at the current slot position for this gateway.
	Rule (RI-183):	Type:	Validation (Insert/Update)
		Rule Name:	Insert/Update of MGCPSlotConfig MGCPVIC
		Description:	When a new record is inserted or a current record is updated in MGCPSlotConfig table MGCPVic should be one of the allowed VIC for that product, slot position and MGCPSlotModule.
		Test Condition:	On Insert or Update of MGCP Gateway. Validation is required when updated through AXL.
		Error Message:	This VIC card is not allowed for this gateway,under specified slot position and SlotModule.
	2.3.141.7 tkmgcpvic (FI-804)		
	Type:	enum (Null OK)	
	Default Value:	NULL	
	Rule (RI-183):	Type:	Validation (Insert/Update)
		Rule Name:	Insert/Update of MGCPSlotConfig MGCPVIC
		Description:	When a new record is inserted or a current record is updated in MGCPSlotConfig table MGCPVic should be one of the allowed VIC for that product, slot position and MGCPSlotModule.
		Test Condition:	On Insert or Update of MGCP Gateway. Validation is required when updated through AXL.
		Error Message:	This VIC card is not allowed for this gateway,under specified slot position and SlotModule.
Uniqueness:	No multicolumn uniqueness constraints		

2.3.142 mlaparameter (TI-221)

Description:	Configuration parameters for MultiLevelAdmin

Fields:	**2.3.142.1 name (FI-1439)**
	Type: string [50] (Unique)
	2.3.142.2 pkid (FI-1438)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.142.3 value (FI-1440)
	Type: string [128]
	Default Value: EMPTY
Uniqueness:	No multicolumn uniqueness constraints

2.3.143 mlppdomain (TI-277)

Description:	Domains for Mlpp
Fields:	**2.3.143.1 id (FI-1953)**
	Type: string [6] (Unique)
	Default Value: EMPTY
	Validation: ^[0-9a-fA-F]{6}$
	Remarks: hex identity of domain
	2.3.143.2 name (FI-1952)
	Type: string [50] (Unique)
	Validation: ^[a-zA-Z 0-9._-]{1,50}$
	Remarks: name of domain
	2.3.143.3 pkid (FI-1951)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.

Rule (RI-272):	Type:	Active (Insert/Update)
	Rule Name:	mlppdomain versionstamp
	Description:	on change to anything in mlppdomain table, update device versionstamp
	Test Condition:	update device

2.3.143.4 usermodifiable (FI-1965)

Type:	bool (Not Modifiable)
Default Value:	TRUE

Rule (RI-204):	Type:	Validation (Update/Delete)
	Rule Name:	Default MLPP Domain Restriction
	Description:	The Default MLPP Domain is marked as not userModifiable, and cannot be modified in any way, nor deleted from the database.
	Test Condition:	ON UPDATE/DELETE IN MLPPDomain IF (userModifiable = FALSE) THEN throw exception
	Error Message:	The default MLPP Domain cannot be modified or deleted.

Rule (RI-205):	Type:	Validation (Insert)
	Rule Name:	One Default MLPP Domain per Cluster
	Description:	Only one MLPP Domain can be the default non-modifiable record (inserted at install time).
	Test Condition:	ON INSERT/UPDATE IN MLPPDomain IF (SELECT COUNT(*) FROM MLPPDomain WHERE userModifiable = FALSE) > 1 THEN throw exception
	Error Message:	Cannot have more than one default (non-modifiable) MLPP Domain in the cluster.
	Remedy:	The value of userModifiable must be True for all user-added MLPP Domains.

2.3.143.5 versionstamp (FI-3118)

Type:	string [47] (Null OK)
Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
Remarks:	New guid plus seconds past midnight 1970 are concatenated

	Rule (RI-272):	Type:	Active (Insert/Update) This field is modified by this rule.
		Rule Name:	mlppdomain versionstamp
		Description:	on change to anything in mlppdomain table, update device versionstamp
		Test Condition:	update device
	Rule (RI-272):	Type:	Active (Insert/Update)
		Rule Name:	mlppdomain versionstamp
		Description:	on change to anything in mlppdomain table, update device versionstamp
		Test Condition:	update device
Uniqueness:	No multicolumn uniqueness constraints		
Rules:	Rule (RI-204):	Type:	Validation (Update/Delete) Rule applied when record is updated or deleted.
		Rule Name:	Default MLPP Domain Restriction
		Description:	The Default MLPP Domain is marked as not userModifiable, and cannot be modified in any way, nor deleted from the database.
		Test Condition:	ON UPDATE/DELETE IN MLPPDomain IF (userModifiable = FALSE) THEN throw exception
		Error Message:	The default MLPP Domain cannot be modified or deleted.
	Rule (RI-205):	Type:	Validation (Insert) Rule applied when record is inserted or updated.
		Rule Name:	One Default MLPP Domain per Cluster
		Description:	Only one MLPP Domain can be the default non-modifiable record (inserted at install time).
		Test Condition:	ON INSERT/UPDATE IN MLPPDomain IF (SELECT COUNT(*) FROM MLPPDomain WHERE userModifiable = FALSE) > 1 THEN throw exception
		Error Message:	Cannot have more than one default (non-modifiable) MLPP Domain in the cluster.
		Remedy:	The value of userModifiable must be True for all user-added MLPP Domains.

2.3.144 mobilesmartclientprofile (TI-493)

Description:	Settings for Smart Client devices used with Mobility Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.144.1 enablecfauri (FI-3691)	
	Type:	string [255]
	Default Value:	x-cisco-serviceuri-cfwdall
	Remarks:	URI to enable call forward all
	2.3.144.2 enablesnruri (FI-3690)	
	Type:	string [255]
	Default Value:	x-cisco-serviceuri-mobileconnect
	Remarks:	URI to enable mobile connect
	2.3.144.3 handoffuri (FI-3692)	
	Type:	string [255]
	Default Value:	x-cisco-serviceuri-handoff
	Remarks:	URI for handoff
	2.3.144.4 isstandard (FI-3693)	
	Type:	bool
	Default Value:	FALSE
	Remarks:	Standard entry created by install that cannot be modified or removed
	2.3.144.5 name (FI-3688)	
	Type:	string [200] (Unique)
	Remarks:	Name of this profile
	2.3.144.6 pkid (FI-3687)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Remarks:	Unique ID to identify a record.
	2.3.144.7 tkmobilesmartclient (FI-3689)	
	Type:	enum
	Default Value:	0
	Remarks:	Smart client application model
Uniqueness:	No multicolumn uniqueness constraints	

2.3.145 modelfeaturemap (TI-84)

Description:	All feature types allowed for a particular model Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.145.1 enum (FI-648)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: Used for primary key so can be replicated by SQL
	2.3.145.2 tkdeviceprotocol (FI-2616)
	Type: enum
	Default Value: 99
	2.3.145.3 tkfeature (FI-284)
	Type: enum (Not Modifiable)
	Migration Source: prepopulated
	2.3.145.4 tkmodel (FI-285)
	Type: enum (Not Modifiable)
	Migration Source: prepopulated
Uniqueness:	No multicolumn uniqueness constraints

2.3.146 mohaudiosource (TI-149)

Description:	information on sources for music for Music on Hold	
Fields:	**2.3.146.1 highsourcefiledatetime (FI-888)**	
	Type:	long (Null OK)
	Default Value:	NULL
	Rule (RI-54):	Type: Active (Insert/Update/Delete records)
		Rule Name: MOH Audio Source Date Time Change
		Description: If the timestamp for a MOH Audio Source File on the server is more recent than the timestamp in the database, the newer version of the file is copied from the staging location to the distribution folder.
		Test Condition: Timestamp in DB is earlier than timestamp on source file in staging location.
	2.3.146.2 lowsourcefiledatetime (FI-848)	

Type:	long (Null OK)	
Default Value:	NULL	
Rule (RI-54):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	MOH Audio Source Date Time Change
	Description:	If the timestamp for a MOH Audio Source File on the server is more recent than the timestamp in the database, the newer version of the file is copied from the staging location to the distribution folder.
	Test Condition:	Timestamp in DB is earlier than timestamp on source file in staging location.

2.3.146.3 multicast (FI-849)

Type:	bool	
Default Value:	0	
Rule (RI-234):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	MOH Audio Source Rules
	Description:	Combines rules 47 and 49 along with delete BR on MOHAudioSource
	Test Condition:	?
	Error Message:	?
	Remedy:	?

2.3.146.4 name (FI-846)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[a-zA-Z 0-9._-]{1,50}$

2.3.146.5 pkid (FI-844)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.146.6 repeat (FI-873)

Type:	bool
Default Value:	0

2.3.146.7 sourcefile (FI-847)

Type:	string [255]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{1,255}$
Rule (RFI-139):	Type: Inter-field Condition and Constraint Test Condition: SourceID = 51 Constraint: (SourceFile = '') OR (SourceFile = '/dev/dsp') Remarks: MOH Fixed Audio Source stream (51) uses empty source file for disabled, /dev/dsp for enabled. Other values are invalid.
Rule (RI-53):	Type: Active (Insert/Update/Delete records) Rule Name: MOH Audio Source File Copy Description: When the source file for a MOH Audio Source is updated, the corresponding file must be copied from the staging location to the location where the MOH Server expects to find it. It must also be distributed to all MOH Servers. Exact locations may depend on OS and configuration. Test Condition: SET MOHAudioSource.SourceFile = (Non-blank name)

2.3.146.8 sourceid (FI-845)

Type:	long (Unique, Not Modifiable)
Check Constraint:	(SourceID >= 1) AND (SourceID <= 51)
Rule (RI-234):	Type: Active (Insert/Update/Delete records) Rule Name: MOH Audio Source Rules Description: Combines rules 47 and 49 along with delete BR on MOHAudioSource Test Condition: ? Error Message: ? Remedy: ?

Uniqueness:	No multicolumn uniqueness constraints

Rules:	Rule (RI-47):	Type:	Active (Insert/Update/Delete records) Rule applied when record is inserted or updated.
		Rule Name:	MOH Audio Source Multicast Enabled
		Description:	When MOH Audio Source Multicast is set to true, the MOHServerMulticastInfo table is automatically updated. For the MOH Audio Source that is marked as Multicast, one record is inserted for each combination of MOH Server that has multicast enabled and MOH Codec. The total number of records is always Multicast MOHAudioSources X Multicast MOHServers X MOHCodecs. The IP Address and Port Number for each entry are determined by the Multicast Base IP Address, Multicast Base Port, and Increment On IP setting for each MOH Server: For each MOH Server that has a Multicast Base IP Address (non-blank), start with the Multicast Base IP Address and Port and find the first available IP address and Port by incrementing as specified by MOHServer.IncrementOnIP. Insert a record for the first MOH Codec, then repeat for each of the other MOH Codecs.
		Test Condition:	SET MOHAudioSource.Multicast = TRUE
	Rule (RI-49):	Type:	Active (Insert/Update/Delete records) Rule applied when record is inserted or updated.
		Rule Name:	MOH Audio Source Multicast Disabled
		Description:	When MOH Audio Source Multicast is set to false, any existing MOHServerMulticastInfo records that reference the MOH Audio Source (by MOHAudioSourceID) must be deleted.
		Test Condition:	SET MOHAudioSource.Multicast = FALSE
	Rule (RI-50):	Type:	Active (Insert/Update) Rule applied when record is inserted or updated.
		Rule Name:	MOH Server Multicast Disabled
		Description:	When MOH Server Multicast settings are cleared, any existing MOHServerMulticastInfo records that reference the MOH Server (by fkDevice) must be deleted.
		Test Condition:	SET MOHServer.MulticastBaseIPAddress = '' AND MOHServer.MulticastBasePort = 0

2.3.147 mohserver (TI-148)

Description:	Music on Hold server information

Fields:

2.3.147.1 fixedaudiosourceid (FI-843)

Type:	string [255]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_`{\|}~\\-]{0,255}$
Remarks:	1-1000

2.3.147.2 fkdevice (FI-842)

Type:	guid (Unique, Cascade Delete, Not Modifiable)	
Rule (RI-48):	Type:	Active (Insert/Update)
	Rule Name:	MOH Server Multicast Enabled
	Description:	When MOH Server Multicast settings change the MOHServerMulticastInfo table is automatically updated. For the MOH Server for which Multicast is changed, one record is inserted for each combination of MOH Audio Source that has multicast enabled and MOH Codec. The IP Address and Port Number for each entry are determined by the Multicast Base IP Address, Multicast Base Port, and Increment On IP setting for the MOH Server: Starting with the Multicast Base IP Address and Port, find the first available IP address and Port by incrementing as specified by MOHServer.IncrementOnIP. Insert a record for the first MOH Codec, then repeat for each of the other MOH Codecs. On insert of MOH Server, all the MOHServerMulticastInfo records are inserted. On any subsequent change to the Multicast settings, all MOHServerMulticastInfo records for the current MOH Server are deleted, and a new set of records is inserted.
	Test Condition:	SET MOHServer.BaseMulticastIPAddress != '' and MOHServer.BaseMulticastPort != 0
Rule (RI-50):	Type:	Active (Insert/Update)
	Rule Name:	MOH Server Multicast Disabled
	Description:	When MOH Server Multicast settings are cleared, any existing MOHServerMulticastInfo records that reference the MOH Server (by fkDevice) must be deleted.
	Test Condition:	SET MOHServer.MulticastBaseIPAddress = '' AND MOHServer.MulticastBasePort = 0
Rule (RI-51):	Type:	Validation (Insert/Update)
	Rule Name:	MOH Server Device
	Description:	The records in MOHServer table must reference a MOHServer device
	Test Condition:	MOHServer.fkDevice IN (SELECT pkid FROM Device where tkClass = 12)
	Error Message:	MOHServer table may only reference MOH Server devices.
	Remedy:	Correct the fkDevice value to refer to a MOH Server device.

Rule (RI-55):	Type:	Active (Insert/Update)
	Rule Name:	MOH Server Multicast Settings Change
	Description:	If the Increment On IP setting, Base IP Address or Base Port is changed for a MOH Server that has Multicast enabled (defined Multicast Base IP Address and Port), the MOHServerMulticastInfo records for that server must be deleted and re-inserted. The IP Address and Port Number for each entry are determined by the Multicast Base IP Address, Multicast Base Port, and Increment On IP setting for the MOH Server: Starting with the Multicast Base IP Address and Port, find the first available IP address and Port by incrementing as specified by MOHServer.IncrementOnIP. If IncrementOnIP is true, the next available IP address is used, and the Port remains constant. If IncrementOnIP is false, the IP Address remains constant and the Port is incremented to the next available even numbered port. Records are inserted for each combination of Multicast Audio Source and MOH Codec.
	Test Condition:	MOHServer.BaseMulticastIPAddress != '' AND MOHServer.BaseMulticastPort != 0 AND MOHServer.IncrementOnIP != (previous setting) AND MOHServer.BaseMulticastIPAddress != (previous setting) AND MOHServer.BaseMulticastPort != (previous setting)

2.3.147.3 maxmulticaststreams (FI-931)

Type:	long
Default Value:	250000
Check Constraint:	(MaxMulticastStreams >= 1) AND (MaxMulticastStreams <= 999999)

2.3.147.4 maxunicaststreams (FI-841)

Type:	long
Default Value:	250
Check Constraint:	(MaxUnicastStreams >= 0) AND (MaxUnicastStreams <= 500)

2.3.147.5 multicastbaseipaddress (FI-989)

Type:	string [15]	
Default Value:	0.0.0.0	
Rule (RFI-16):	Type:	Inter-field Condition and Constraint
	Test Condition:	MulticastBasePort = 0
	Constraint:	MulticastBaseIPAddress = '0.0.0.0'
	Remarks:	Multicast base IP Address and Port must be set in tandem

Rule (RI-43):	Type:	Warning (Message for UI only)
	Rule Name:	MOH Multicast X.0.0.Y Address Warning
	Description:	If the Multicast Base IP Address for an MOH Server is in the form #.0.0.#, show a warning that the address does not conform to the recommendations of the Multicast standard.
	Test Condition:	MOHServer.MulticastBaseIPAddress LIKE "%.0.0.%"
	Error Message:	The Multicast IP Address you specified does not conform to the standards for IP Multicast. Address should not have a form of A.0.0.D.
Rule (RI-44):	Type:	Warning (Message for UI only)
	Rule Name:	MOH Multicast Address Range Warning
	Description:	If Multicast Base IP Address is not in the range 239.0.1.0 - 239.255.255.255 warn user that address is outside of recommended range for Administratively controlled multicast applications on private networks
	Test Condition:	Base Multicast IP Address below 239.0.1.0
	Error Message:	The Multicast Base IP Address is not in the recommended range for Administratively controlled multicast applications on private networks (239.0.1.0 - 239.255.255.255).
Rule (RI-45):	Type:	Validation (Insert/Update)
	Rule Name:	MOH Multicast Base Address Out Of Range
	Description:	MulticastBaseIPAddress is stored in dotted decimal format, and must be in the range of IP addresses from 224.0.1.0 to 239.255.255.255. Addresses outside this range are not valid.
	Test Condition:	(MOHServer.MulticastBaseIPAddress < 224.0.1.0) OR (MOHServer.MulticastBaseIPAddress > 239.255.255.255)
	Error Message:	All Multicast IP Addresses must be in the range 224.0.1.0 to 239.255.255.255. When incrementing on IP Address MOH multicast requires one address for each combination of Multicast MOH Audio Source and MOH Codec (# of Multicast MOH Audio Sources X 4 codecs)
	Remedy:	Adjust the Multicast Base IP Address and try again. When adding or updating multicast MOH Audio Sources, it may be necessary to change the Multicast settings for one or more MOH Servers.

Rule (RI-48):	Type:	Active (Insert/Update)
	Rule Name:	MOH Server Multicast Enabled
	Description:	When MOH Server Multicast settings change the MOHServerMulticastInfo table is automatically updated. For the MOH Server for which Multicast is changed, one record is inserted for each combination of MOH Audio Source that has multicast enabled and MOH Codec. The IP Address and Port Number for each entry are determined by the Multicast Base IP Address, Multicast Base Port, and Increment On IP setting for the MOH Server: Starting with the Multicast Base IP Address and Port, find the first available IP address and Port by incrementing as specified by MOHServer.IncrementOnIP. Insert a record for the first MOH Codec, then repeat for each of the other MOH Codecs. On insert of MOH Server, all the MOHServerMulticastInfo records are inserted. On any subsequent change to the Multicast settings, all MOHServerMulticastInfo records for the current MOH Server are deleted, and a new set of records is inserted.
	Test Condition:	SET MOHServer.BaseMulticastIPAddress != '' and MOHServer.BaseMulticastPort != 0
Rule (RI-50):	Type:	Active (Insert/Update)
	Rule Name:	MOH Server Multicast Disabled
	Description:	When MOH Server Multicast settings are cleared, any existing MOHServerMulticastInfo records that reference the MOH Server (by fkDevice) must be deleted.
	Test Condition:	SET MOHServer.MulticastBaseIPAddress = '' AND MOHServer.MulticastBasePort = 0
Rule (RI-52):	Type:	Validation (Insert/Update)
	Rule Name:	MOH Server Multicast Settings
	Description:	If the MOHServer.MulticastBaseIPAddress is not blank and MOHServer.MulticastBasePort is not 0, the combination of these two fields must be unique
	Test Condition:	IF (MOHServer.BaseMulticastIPAddress != '' and MOHServer.BaseMulticastPort != 0) THEN MOHServer.BaseMulticastIPAddress + MOHServer.BaseMulticastPort must be unique.
	Error Message:	Two MOH Servers cannot use the same Multicast Base IP Address and Port Number.
	Remedy:	Change the Multicast Base IP Address or Port and try again.

Rule (RI-55):	Type:	Active (Insert/Update)
	Rule Name:	MOH Server Multicast Settings Change
	Description:	If the Increment On IP setting, Base IP Address or Base Port is changed for a MOH Server that has Multicast enabled (defined Multicast Base IP Address and Port), the MOHServerMulticastInfo records for that server must be deleted and re-inserted. The IP Address and Port Number for each entry are determined by the Multicast Base IP Address, Multicast Base Port, and Increment On IP setting for the MOH Server: Starting with the Multicast Base IP Address and Port, find the first available IP address and Port by incrementing as specified by MOHServer.IncrementOnIP. If IncrementOnIP is true, the next available IP address is used, and the Port remains constant. If IncrementOnIP is false, the IP Address remains constant and the Port is incremented to the next available even numbered port. Records are inserted for each combination of Multicast Audio Source and MOH Codec.
	Test Condition:	MOHServer.BaseMulticastIPAddress != '' AND MOHServer.BaseMulticastPort != 0 AND MOHServer.IncrementOnIP != (previous setting) AND MOHServer.BaseMulticastIPAddress != (previous setting) AND MOHServer.BaseMulticastPort != (previous setting)

2.3.147.6 multicastbaseport (FI-990)

Type:	long	
Default Value:	0	
Rule (RFI-15):	Type:	Inter-field Condition and Constraint
	Test Condition:	MulticastBaseIPAddress = '0.0.0.0'
	Constraint:	MulticastBasePort = 0
	Remarks:	Multicast base IP Address and Port must be set in tandem
Rule (RI-46):	Type:	Validation (Insert/Update)
	Rule Name:	MOH Multicast Base Port Number
	Description:	The port numbers used for Multicast must be even numbers in the range 16384 to 32766, or 0 when Multicast is disabled (Multicast Base IP Address is empty).
	Test Condition:	IF (MOHServer.MulticastBasePort != 0) AND ((MOHServer.MulticastBasePort < 16384) OR (MOHServer.MulticastBasePort > 32766) OR ((MOHServer.MulticastBasePort MOD 2) != 0)) THEN throw exception
	Error Message:	Multicast Base Port number must be an even number in the range 16384 to 32766.
	Remedy:	Specify an even number in the valid range and try again.

Rule (RI-48):	Type:	Active (Insert/Update)
	Rule Name:	MOH Server Multicast Enabled
	Description:	When MOH Server Multicast settings change the MOHServerMulticastInfo table is automatically updated. For the MOH Server for which Multicast is changed, one record is inserted for each combination of MOH Audio Source that has multicast enabled and MOH Codec. The IP Address and Port Number for each entry are determined by the Multicast Base IP Address, Multicast Base Port, and Increment On IP setting for the MOH Server: Starting with the Multicast Base IP Address and Port, find the first available IP address and Port by incrementing as specified by MOHServer.IncrementOnIP. Insert a record for the first MOH Codec, then repeat for each of the other MOH Codecs. On insert of MOH Server, all the MOHServerMulticastInfo records are inserted. On any subsequent change to the Multicast settings, all MOHServerMulticastInfo records for the current MOH Server are deleted, and a new set of records is inserted.
	Test Condition:	SET MOHServer.BaseMulticastIPAddress != '' and MOHServer.BaseMulticastPort != 0
Rule (RI-50):	Type:	Active (Insert/Update)
	Rule Name:	MOH Server Multicast Disabled
	Description:	When MOH Server Multicast settings are cleared, any existing MOHServerMulticastInfo records that reference the MOH Server (by fkDevice) must be deleted.
	Test Condition:	SET MOHServer.MulticastBaseIPAddress = '' AND MOHServer.MulticastBasePort = 0
Rule (RI-52):	Type:	Validation (Insert/Update)
	Rule Name:	MOH Server Multicast Settings
	Description:	If the MOHServer.MulticastBaseIPAddress is not blank and MOHServer.MulticastBasePort is not 0, the combination of these two fields must be unique
	Test Condition:	IF (MOHServer.BaseMulticastIPAddress != '' and MOHServer.BaseMulticastPort != 0) THEN MOHServer.BaseMulticastIPAddress + MOHServer.BaseMulticastPort must be unique.
	Error Message:	Two MOH Servers cannot use the same Multicast Base IP Address and Port Number.
	Remedy:	Change the Multicast Base IP Address or Port and try again.

Rule (RI-55):	Type:	Active (Insert/Update)
	Rule Name:	MOH Server Multicast Settings Change
	Description:	If the Increment On IP setting, Base IP Address or Base Port is changed for a MOH Server that has Multicast enabled (defined Multicast Base IP Address and Port), the MOHServerMulticastInfo records for that server must be deleted and re-inserted. The IP Address and Port Number for each entry are determined by the Multicast Base IP Address, Multicast Base Port, and Increment On IP setting for the MOH Server: Starting with the Multicast Base IP Address and Port, find the first available IP address and Port by incrementing as specified by MOHServer.IncrementOnIP. If IncrementOnIP is true, the next available IP address is used, and the Port remains constant. If IncrementOnIP is false, the IP Address remains constant and the Port is incremented to the next available even numbered port. Records are inserted for each combination of Multicast Audio Source and MOH Codec.
	Test Condition:	MOHServer.BaseMulticastIPAddress != '' AND MOHServer.BaseMulticastPort != 0 AND MOHServer.IncrementOnIP != (previous setting) AND MOHServer.BaseMulticastIPAddress != (previous setting) AND MOHServer.BaseMulticastPort != (previous setting)

2.3.147.7 multicastincrementonip (FI-991)

Type:	bool
Default Value:	FALSE

Rule (RI-48):	Type:	Active (Insert/Update)
	Rule Name:	MOH Server Multicast Enabled
	Description:	When MOH Server Multicast settings change the MOHServerMulticastInfo table is automatically updated. For the MOH Server for which Multicast is changed, one record is inserted for each combination of MOH Audio Source that has multicast enabled and MOH Codec. The IP Address and Port Number for each entry are determined by the Multicast Base IP Address, Multicast Base Port, and Increment On IP setting for the MOH Server: Starting with the Multicast Base IP Address and Port, find the first available IP address and Port by incrementing as specified by MOHServer.IncrementOnIP. Insert a record for the first MOH Codec, then repeat for each of the other MOH Codecs. On insert of MOH Server, all the MOHServerMulticastInfo records are inserted. On any subsequent change to the Multicast settings, all MOHServerMulticastInfo records for the current MOH Server are deleted, and a new set of records is inserted.
	Test Condition:	SET MOHServer.BaseMulticastIPAddress != '' and MOHServer.BaseMulticastPort != 0

	Rule (RI-55):	Type:	Active (Insert/Update)
		Rule Name:	MOH Server Multicast Settings Change
		Description:	If the Increment On IP setting, Base IP Address or Base Port is changed for a MOH Server that has Multicast enabled (defined Multicast Base IP Address and Port), the MOHServerMulticastInfo records for that server must be deleted and re-inserted. The IP Address and Port Number for each entry are determined by the Multicast Base IP Address, Multicast Base Port, and Increment On IP setting for the MOH Server: Starting with the Multicast Base IP Address and Port, find the first available IP address and Port by incrementing as specified by MOHServer.IncrementOnIP. If IncrementOnIP is true, the next available IP address is used, and the Port remains constant. If IncrementOnIP is false, the IP Address remains constant and the Port is incremented to the next available even numbered port. Records are inserted for each combination of Multicast Audio Source and MOH Codec.
		Test Condition:	MOHServer.BaseMulticastIPAddress != '' AND MOHServer.BaseMulticastPort != 0 AND MOHServer.IncrementOnIP != (previous setting) AND MOHServer.BaseMulticastIPAddress != (previous setting) AND MOHServer.BaseMulticastPort != (previous setting)
	2.3.147.8 pkid (FI-840)		
	Type:	guid (Unique, Indexed, Not Modifiable)	
	Default Value:	newid()	
	Remarks:	Unique ID to identify a record.	
	2.3.147.9 runflag (FI-889)		
	Type:	bool	
	Default Value:	TRUE	
Uniqueness:	No multicolumn uniqueness constraints		
Rules:	Rule (RI-48):	Type:	Active (Insert/Update) Rule applied when record is inserted or updated.
		Rule Name:	MOH Server Multicast Enabled

		Description:	When MOH Server Multicast settings change the MOHServerMulticastInfo table is automatically updated. For the MOH Server for which Multicast is changed, one record is inserted for each combination of MOH Audio Source that has multicast enabled and MOH Codec. The IP Address and Port Number for each entry are determined by the Multicast Base IP Address, Multicast Base Port, and Increment On IP setting for the MOH Server: Starting with the Multicast Base IP Address and Port, find the first available IP address and Port by incrementing as specified by MOHServer.IncrementOnIP. Insert a record for the first MOH Codec, then repeat for each of the other MOH Codecs. On insert of MOH Server, all the MOHServerMulticastInfo records are inserted. On any subsequent change to the Multicast settings, all MOHServerMulticastInfo records for the current MOH Server are deleted, and a new set of records is inserted.
		Test Condition:	SET MOHServer.BaseMulticastIPAddress != '' and MOHServer.BaseMulticastPort != 0
	Rule (RI-54):	Type:	Active (Insert/Update/Delete records)
		Rule Name:	MOH Audio Source Date Time Change
		Description:	If the timestamp for a MOH Audio Source File on the server is more recent than the timestamp in the database, the newer version of the file is copied from the staging location to the distribution folder.
		Test Condition:	Timestamp in DB is earlier than timestamp on source file in staging location.
	Rule (RI-188):	Type:	Active (Insert) Rule applied when record is inserted. This table is modified by this rule.
		Rule Name:	Insert Media Streaming Devices
		Description:	When a ProcessNodeService record for a Media Streaming service is inserted, database automatically inserts the four media streaming Device records for the service: Annunciator, Software Conference Bridge, Music On Hold, and Software MTP. In addition, a MOHServer record is inserted for the MOH device, and a MediaMixer record is inserted for the MTP device.
		Test Condition:	On Insert to ProcessNodeService WHERE tkService=3

2.3.148 mohservermulticastinfo (TI-150)

Description:	ties multicast MOHAudioSources to MOHServers

Fields:

2.3.148.1 fkdevice (FI-851)

Type:	guid (Cascade Delete, Not Modifiable)

2.3.148.2 maxhops (FI-855)

Type:	long
Default Value:	2
Check Constraint:	(MaxHops >= 1) AND (MaxHops <= 127)

2.3.148.3 mohaudiosourceid (FI-852)

Type:	long (Not Modifiable)
Check Constraint:	(MOHAudioSourceID >= 1) AND (MOHAudioSourceID <= 51)

2.3.148.4 multicastaddress (FI-853)

Type:	string [15] (Not Modifiable)
Default Value:	0.0.0.0

Rule (RI-43):

Type:	Warning (Message for UI only)
Rule Name:	MOH Multicast X.0.0.Y Address Warning
Description:	If the Multicast Base IP Address for an MOH Server is in the form #.0.0.#, show a warning that the address does not conform to the recommendations of the Multicast standard.
Test Condition:	MOHServer.MulticastBaseIPAddress LIKE "%.0.0.%"
Error Message:	The Multicast IP Address you specified does not conform to the standards for IP Multicast. Address should not have a form of A.0.0.D.

Rule (RI-44):

Type:	Warning (Message for UI only)
Rule Name:	MOH Multicast Address Range Warning
Description:	If Multicast Base IP Address is not in the range 239.0.1.0 - 239.255.255.255 warn user that address is outside of recommended range for Administratively controlled multicast applications on private networks
Test Condition:	Base Multicast IP Address below 239.0.1.0
Error Message:	The Multicast Base IP Address is not in the recommended range for Administratively controlled multicast applications on private networks (239.0.1.0 - 239.255.255.255).

	Rule (RI-187):	Type:	Validation (Insert/Update)
		Rule Name:	MOH Multicast Address Out Of Range
		Description:	MulticastAddress is stored in dotted decimal format, and must be in the range of IP addresses from 224.0.1.0 to 239.255.255.255. Addresses outside this range are not valid.
		Test Condition:	(MOHServerMulticastInfo.MulticastAddress < 224.0.1.0) OR (MOHServerMulticastInfo. MulticastAddress > 239.255.255.255)
		Error Message:	All Multicast IP Addresses must be in the range 224.0.1.0 to 239.255.255.255. When incrementing on IP Address MOH multicast requires one address for each combination of Multicast MOH Audio Source and MOH Codec (# of Multicast MOH Audio Sources X 4 codecs)
		Remedy:	Adjust the Multicast Base IP Address and try again. When adding or updating multicast MOH Audio Sources, it may be necessary to change the Multicast settings for one or more MOH Servers.
	2.3.148.5 multicastport (FI-854)		
	Type:	long (Not Modifiable)	
	Default Value:	0	
	2.3.148.6 pkid (FI-850)		
	Type:	guid (Unique, Indexed, Not Modifiable)	
	Default Value:	newid()	
	Migration Source:	Generated	
	Remarks:	Unique ID to identify a record.	
	2.3.148.7 tkmohcodec (FI-878)		
	Type:	enum (Not Modifiable)	
	Default Value:	1	
Uniqueness:	multicastaddress + multicastport is unique. (MFI-29)		

Rules:			
	Rule (RI-47):	Type:	Active (Insert/Update/Delete records) This table is modified by this rule.
		Rule Name:	MOH Audio Source Multicast Enabled
		Description:	When MOH Audio Source Multicast is set to true, the MOHServerMulticastInfo table is automatically updated. For the MOH Audio Source that is marked as Multicast, one record is inserted for each combination of MOH Server that has multicast enabled and MOH Codec. The total number of records is always Multicast MOHAudioSources X Multicast MOHServers X MOHCodecs. The IP Address and Port Number for each entry are determined by the Multicast Base IP Address, Multicast Base Port, and Increment On IP setting for each MOH Server: For each MOH Server that has a Multicast Base IP Address (non-blank), start with the Multicast Base IP Address and Port and find the first available IP address and Port by incrementing as specified by MOHServer.IncrementOnIP. Insert a record for the first MOH Codec, then repeat for each of the other MOH Codecs.
		Test Condition:	SET MOHAudioSource.Multicast = TRUE
	Rule (RI-48):	Type:	Active (Insert/Update) This table is modified by this rule.
		Rule Name:	MOH Server Multicast Enabled
		Description:	When MOH Server Multicast settings change the MOHServerMulticastInfo table is automatically updated. For the MOH Server for which Multicast is changed, one record is inserted for each combination of MOH Audio Source that has multicast enabled and MOH Codec. The IP Address and Port Number for each entry are determined by the Multicast Base IP Address, Multicast Base Port, and Increment On IP setting for the MOH Server: Starting with the Multicast Base IP Address and Port, find the first available IP address and Port by incrementing as specified by MOHServer.IncrementOnIP. Insert a record for the first MOH Codec, then repeat for each of the other MOH Codecs. On insert of MOH Server, all the MOHServerMulticastInfo records are inserted. On any subsequent change to the Multicast settings, all MOHServerMulticastInfo records for the current MOH Server are deleted, and a new set of records is inserted.
		Test Condition:	SET MOHServer.BaseMulticastIPAddress != '' and MOHServer.BaseMulticastPort != 0
	Rule (RI-49):	Type:	Active (Insert/Update/Delete records) This table is modified by this rule.
		Rule Name:	MOH Audio Source Multicast Disabled
		Description:	When MOH Audio Source Multicast is set to false, any existing MOHServerMulticastInfo records that reference the MOH Audio Source (by MOHAudioSourceID) must be deleted.
		Test Condition:	SET MOHAudioSource.Multicast = FALSE

	Rule (RI-50):	Type:	Active (Insert/Update) This table is modified by this rule.
		Rule Name:	MOH Server Multicast Disabled
		Description:	When MOH Server Multicast settings are cleared, any existing MOHServerMulticastInfo records that reference the MOH Server (by fkDevice) must be deleted.
		Test Condition:	SET MOHServer.MulticastBaseIPAddress = '' AND MOHServer.MulticastBasePort = 0
	Rule (RI-55):	Type:	Active (Insert/Update) This table is modified by this rule.
		Rule Name:	MOH Server Multicast Settings Change
		Description:	If the Increment On IP setting, Base IP Address or Base Port is changed for a MOH Server that has Multicast enabled (defined Multicast Base IP Address and Port), the MOHServerMulticastInfo records for that server must be deleted and re-inserted. The IP Address and Port Number for each entry are determined by the Multicast Base IP Address, Multicast Base Port, and Increment On IP setting for the MOH Server: Starting with the Multicast Base IP Address and Port, find the first available IP address and Port by incrementing as specified by MOHServer.IncrementOnIP. If IncrementOnIP is true, the next available IP address is used, and the Port remains constant. If IncrementOnIP is false, the IP Address remains constant and the Port is incremented to the next available even numbered port. Records are inserted for each combination of Multicast Audio Source and MOH Codec.
		Test Condition:	MOHServer.BaseMulticastIPAddress != '' AND MOHServer.BaseMulticastPort != 0 AND MOHServer.IncrementOnIP != (previous setting) AND MOHServer.BaseMulticastIPAddress != (previous setting) AND MOHServer.BaseMulticastPort != (previous setting)

2.3.149 nsfinformationelement (TI-192)

Description:	For ISDN Network Specific Facilities information elements

Fields:

2.3.149.1 carrieridentificationcode (FI-1174)

Type:	string [10]
Default Value:	EMPTY

Rule (RI-124):

Type:	Validation (Insert/Update)
Rule Name:	NSF Information Element Service and Protocol
Description:	NSF Services are dependent on the PRI Protocol for the Information Element. Valid combinations are defined in the NSFProtocolServiceMap.
Test Condition:	@NSFInformationElement.tkNSFService IN (SELECT tkNSFService FROM NSFProtocolServiceMap WHERE tkPriProtocol = @NSFInformationElement.tkPriProtocol)
Error Message:	The specified NSF Service is not valid for the selected protocol.
Remedy:	Select a Service that is supported by the current Protocol, or change the protocol.

2.3.149.2 fknumplan (FI-1173)

Type:	guid (Cascade Delete)

Rule (RI-123):

Type:	Validation (Insert/Update)
Rule Name:	NSF Information
Description:	The records in NSFInformationElement table must reference a Route Pattern in the NumPlan table (tkPatternUsage = 5).
Test Condition:	NSFInformationElement.fkNumPlan IN (SELECT pkid FROM NumPlan WHERE tkPatternUsage = 5)
Error Message:	NSFInformationElements must be associated with a Route Pattern.
Remedy:	Correct the fkNumPlan value to refer to a Route Patter in the NumPlan table.

Rule (RI-245):

Type:	Active (Insert/Update)
Rule Name:	updTagAndClause
Description:	After insert or update of NSFInfoElement, update Numplan withTag and withValue fields.
Test Condition:	?
Error Message:	?
Remedy:	?

Rule (RI-246):	Type:	Active (Delete)
	Rule Name:	removeTagAndClause
	Description:	if the record is removed, set the withTag and withValueClause to the empty string
	Test Condition:	?
	Error Message:	?
	Remedy:	?

2.3.149.3 paramvalue (FI-1177)

Type:	string [50]
Default Value:	EMPTY

Rule (RI-124):	Type:	Validation (Insert/Update)
	Rule Name:	NSF Information Element Service and Protocol
	Description:	NSF Services are dependent on the PRI Protocol for the Information Element. Valid combinations are defined in the NSFProtocolServiceMap.
	Test Condition:	@NSFInformationElement.tkNSFService IN (SELECT tkNSFService FROM NSFProtocolServiceMap WHERE tkPriProtocol = @NSFInformationElement.tkPriProtocol)
	Error Message:	The specified NSF Service is not valid for the selected protocol.
	Remedy:	Select a Service that is supported by the current Protocol, or change the protocol.

2.3.149.4 pkid (FI-1172)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.149.5 tknsfservice (FI-1176)

Type:	enum

	Rule (RI-124):	Type:	Validation (Insert/Update)
		Rule Name:	NSF Information Element Service and Protocol
		Description:	NSF Services are dependent on the PRI Protocol for the Information Element. Valid combinations are defined in the NSFProtocolServiceMap.
		Test Condition:	@NSFInformationElement.tkNSFService IN (SELECT tkNSFService FROM NSFProtocolServiceMap WHERE tkPriProtocol = @NSFInformationElement.tkPriProtocol)
		Error Message:	The specified NSF Service is not valid for the selected protocol.
		Remedy:	Select a Service that is supported by the current Protocol, or change the protocol.
	2.3.149.6 tkpriprotocol (FI-1175)		
	Type:	enum	
	Rule (RI-124):	Type:	Validation (Insert/Update)
		Rule Name:	NSF Information Element Service and Protocol
		Description:	NSF Services are dependent on the PRI Protocol for the Information Element. Valid combinations are defined in the NSFProtocolServiceMap.
		Test Condition:	@NSFInformationElement.tkNSFService IN (SELECT tkNSFService FROM NSFProtocolServiceMap WHERE tkPriProtocol = @NSFInformationElement.tkPriProtocol)
		Error Message:	The specified NSF Service is not valid for the selected protocol.
		Remedy:	Select a Service that is supported by the current Protocol, or change the protocol.
Uniqueness:	No multicolumn uniqueness constraints		

2.3.150 nsfprotocolservicemap (TI-191)

Description:	Map NSF services to NSF supported Pri Protocols Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.150.1 cicvalidation (FI-3048)**
	Type: string [255] (Not Modifiable)
	2.3.150.2 enum (FI-1169)
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.150.3 paramvaluevalidation (FI-3049)
	Type: string [255] (Not Modifiable)
	2.3.150.4 tknsfservice (FI-1171)
	Type: enum (Not Modifiable)
	2.3.150.5 tkpriprotocol (FI-1170)
	Type: enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.151 ntpserver (TI-315)

Description:	Servers to get time value from
Fields:	**2.3.151.1 description (FI-2354)**
	Type: string [100]
	Default Value: EMPTY
	Remarks: Description of NTP Server
	2.3.151.2 name (FI-2353)
	Type: string [48] (Unique, Indexed)
	Remarks: Name of NTP Server
	Rule (RI-295): Type: Active (Insert/Update)
	Rule Name: NTP Name
	Description: Verify name as IP or host
	Test Condition: I/U of NTPServer
	Error Message: IP address or hostname does not conform to accepted standard
	2.3.151.3 pkid (FI-2352)

	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	Rule (RI-328):	Type: Active (Update) Rule Name: ntpserver versionstamp Description: on change to anything in ntpserver, update versionstamp in devicepool table Test Condition: update ntpserver

2.3.151.4 tkzzntpmode (FI-3063)

Type:	enum
Default Value:	3
Remarks:	NTP Mode

Uniqueness:	No multicolumn uniqueness constraints

2.3.152 ntpserverdatetimesettingmap (TI-316)

Description:	Mapping between NTP Server and DateTimeSetting

Fields:

2.3.152.1 fkdatetimesetting (FI-2357)

	Type:	guid (Cascade Delete)
	Remarks:	pkid of DateTimeSetting
	Rule (RI-329):	Type: Active (Insert/Update/Delete records) Rule Name: ntpserverdatetimesettingmap versionstamp Description: on change to anything in ntpserverdatetimesettingmap, update versionstamp in devicepool table Test Condition: update ntpserverdatetimesettingmap

	Rule (RI-455):	Type:	Validation (Insert/Update)
		Rule Name:	Limit NTP Reference to 8
		Description:	Rule to limit NTP Reference in a Date Time Group to maximum of 8. Rules fires on insert/ update and checks that there are no more than 8 records with the same fkDateTimeSetting in the NTPServerDateTimeSettingMap table
		Test Condition:	IF(Mode='I') OR (old_fkdatetimesetting <> new_fkdatetimesetting) THEN SELECT COUNT(*) INTO nRows FROM ntpserverdatetimesettingmap WHERE fkdatetimesetting = new_fkdatetimesetting; IF (nRows>8) THEN throw exception; END IF; END IF;
		Error Message:	There are more than 8 NTP entries for the same Date Time Group
		Remedy:	Please delete one or more records with the same fkDateTimeSetting in the NTPServerDateTimeSettingMap table to limit NTP Reference in a Date Time Group to maximum of 8

2.3.152.2 fkntpserver (FI-2356)

Type:	guid (Cascade Delete)
Remarks:	pkid of NTP Server record

2.3.152.3 pkid (FI-2355)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.152.4 selectionorder (FI-2358)

Type:	long (Null OK)
Default Value:	0
Remarks:	Identifies the order in which the NTP Server should be selected

Uniqueness:	fkdatetimesetting + selectionorder is unique. (MFI-77) fkdatetimesetting + fkntpserver is unique. (MFI-78)

2.3.153 numplan (TI-24)

Description:	List of all directory numbers and patterns

Fields:

2.3.153.1 aardestinationmask (FI-3191)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,24}$

2.3.153.2 aarkeepcallhistory (FI-3192)

Type:	bool
Default Value:	TRUE

2.3.153.3 aarvoicemailenabled (FI-3193)

Type:	bool
Default Value:	FALSE

2.3.153.4 alertingname (FI-2176)

Type:	string [50]
Default Value:	EMPTY

2.3.153.5 alertingnameascii (FI-2932)

Type:	string [30]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{0,30}$
Migration Source:	Alerting Name.label if all chars are less than 127
Remarks:	This is same as Alerting Name if all characters are ASCII.

2.3.153.6 allowcticontrolflag (FI-2619)

Type:	bool
Default Value:	TRUE
Remarks:	If true, this line allows CTI Control.

Rule (RI-215):	Type:	Validation (Insert/Update)
	Rule Name:	CTI Device lines must allow CTI Control
	Description:	The lines (NumPlan records) associated with a CTI Route Point or CTI Port must allow CTI Control. CTI Control can be restricted only for other non-CTI types of devices.
	Test Condition:	ON INSERT/UPDATE IN NumPlan, DeviceNumPlanMap IF (SELECT COUNT(*) FROM NumPlan n INNER JOIN DeviceNumPlanMap map ON n.pkid = map.fkNumPlan INNER JOIN Device d ON d.pkid = map.fkDevice WHERE n.pkid = @NumPlan.pkid AND n.AllowCTIControlFlag = FALSE AND d.tkModel IN (72,73)) > 0 THEN throw exception
	Error Message:	Cannot disable CTI Control on a line that is associated with a CTI Port or CTI Route Point.
	Remedy:	Allow CTI Control for the line (NumPlan record), or remove any association with CTI Port or CTI Route Point devices.

2.3.153.7 authorizationcoderequired (FI-2177)

Type:	bool
Default Value:	FALSE

Rule (RFI-137):	Type:	Inter-field Condition and Constraint
	Test Condition:	SupportOverlapSending = 't'
	Constraint:	AuthorizationCodeRequired = 'f'
	Remarks:	Authorization Code (FAC) cannot be used when Overlap Sending is allowed

2.3.153.8 authorizationlevelrequired (FI-2319)

Type:	long
Default Value:	0
Check Constraint:	(AuthorizationLevelRequired >=0) AND (AuthorizationLevelRequired <=255)
Remarks:	Configurable with AuthorizationRequired checked

2.3.153.9 blockenable (FI-191)

Type:	bool
Default Value:	FALSE
Migration Source:	BlockEnable
Remarks:	Block CallerID on outbound calls?

Rule (RFI-17):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,9,10,14,15,20)
	Constraint:	BlockEnable = 'f'
	Remarks:	Block enable is allowed only for Route and Translation

2.3.153.10 calledpartytransformationmask (FI-193)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$
Migration Source:	NULL
Remarks:	A transform

Rule (RFI-18):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,14,15,20)
	Constraint:	CalledPartyTransformationMask IS NULL
	Null Allowed:	null
	Remarks:	CalledPartyTransformationMask is set only for Route and Translation Patterns

2.3.153.11 callforwardexpansionmask (FI-901)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$

Rule (RFI-19):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,14,15,20)
	Constraint:	CallForwardExpansionMask IS NULL
	Null Allowed:	null
	Remarks:	CallForwardExpansionMask is set only for Route and Translation Patterns

2.3.153.12 callingpartyprefixdigits (FI-974)

Type:	dn (Null OK)

DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL
Validation:	^[0-9*#+]{0,50}$
Migration Source:	CallingPartyPrefixDigits
Remarks:	A transform - this is a mask pattern similar to PrefixDigitsOut
Rule (RFI-20):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage NOT IN (3,5,7,9,10,14,15,20) Constraint: CallingPartyPrefixDigits IS NULL Null Allowed: null Remarks: CallingPartyPrefixDigits is set only for Route and Translation Patterns

2.3.153.13 callingpartytransformationmask (FI-554)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$
Migration Source:	new, NULL
Remarks:	A transform
Rule (RFI-21):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage NOT IN (3,5,7,9,10,14,15,20) Constraint: CallingPartyTransformationMask IS NULL Null Allowed: null Remarks: CallingPartyTransformationMask is set only for Route and Translation Patterns

2.3.153.14 cfaptdestination (FI-1340)

Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL
Validation:	^[0-9*#+]{0,50}$
Remarks:	Call Forward Alternate Party Target Destination

Rule (RFI-23):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 11
	Constraint:	CFAPTDestination IS NULL
	Null Allowed:	null
	Remarks:	CFAPTDestination is set only for Directory Numbers

2.3.153.15 cfaptduration (FI-1348)

Type:	long (Null OK)
Default Value:	NULL
Check Constraint:	(CFAPTDuration >= 1) AND (CFAPTDuration <= 60)

Rule (RFI-24):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 11
	Constraint:	CFAPTDuration IS NULL
	Null Allowed:	null
	Remarks:	CFAPTDuration is set only for Directory Numbers

2.3.153.16 cfaptvoicemailenabled (FI-1339)

Type:	bool
Default Value:	FALSE

Rule (RFI-25):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 11
	Constraint:	CFAPTVoiceMailEnabled = 'f'
	Remarks:	CFAPTVoiceMailEnabled is TRUE only for Directory Numbers

2.3.153.17 cfbdestination (FI-184)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$
Migration Source:	convert from forward
Remarks:	Call Forward Busy (not a pattern)

Rule (RFI-27):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 7 AND tkPatternUsage != 11
	Constraint:	CFBDestination IS NULL
	Null Allowed:	null
	Remarks:	CFBDestination is set only for Directory Numbers

2.3.153.18 cfbintdestination (FI-2320)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$

2.3.153.19 cfbintvoicemailenabled (FI-2321)

Type:	bool
Default Value:	FALSE

2.3.153.20 cfbvoicemailenabled (FI-1081)

Type:	bool	
Default Value:	FALSE	
Rule (RFI-28):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 11
	Constraint:	CFBVoiceMailEnabled = 'f'
	Remarks:	CFBVoiceMailEnabled is TRUE only for Directory Numbers

2.3.153.21 cfdfvoicemailenabled (FI-1083)

Type:	bool	
Default Value:	FALSE	
Rule (RFI-29):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 11
	Constraint:	CFDFVoiceMailEnabled = 'f'
	Remarks:	CFDFVoiceMailEnabled is TRUE only for Directory Numbers.

2.3.153.22 cfhrdn (FI-3194)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$
Migration Source:	convert from forward
Remarks:	Call Forward On Hold Reversion Destination (not a pattern)

2.3.153.23 cfhrduration (FI-3227)

Type:	long (Null OK)
Default Value:	NULL
Check Constraint:	(CFHRDuration >= 0) AND (CFHRDuration <= 1200)
Remarks:	time (in seconds) before held call is forwarded to CFHRDN; -1 defaults to Service Parameter, 0 disables feature; timer starts when HRDuration is reached

2.3.153.24 cfhrintdn (FI-3195)

Type:	string [50] (Null OK)
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$

2.3.153.25 cfhrintvmenabled (FI-3196)

Type:	bool
Default Value:	FALSE

2.3.153.26 cfhrvmenabled (FI-3197)

Type:	bool
Default Value:	FALSE

2.3.153.27 cfnadestination (FI-185)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$
Migration Source:	convert from forward
Remarks:	Call Forward No Answer (not a pattern)

Rule (RFI-30):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 7 AND tkPatternUsage != 11
	Constraint:	CFNADestination IS NULL
	Null Allowed:	null
	Remarks:	CFNADestination is set only for Directory Numbers

2.3.153.28 cfnaduration (FI-1337)

Type:	long (Null OK)
Default Value:	NULL

Rule (RFI-31):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 7 AND tkPatternUsage != 11
	Constraint:	CFNADuration IS NULL
	Null Allowed:	null
	Remarks:	CFNADuration is set only for Directory Numbers
Rule (RFI-271):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 2 OR tkPatternUsage = 11
	Constraint:	((CFNADuration IS NULL) OR ((CFNADuration >= 1) AND (CFNADuration <= 300)))
	Null Allowed:	null
	Remarks:	CFNADuration should be greater than or equal to 1 and less than or equal to 300 for Directory Numbers
Rule (RFI-272):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 7
	Constraint:	((CFNADuration IS NULL) OR ((CFNADuration >= 1) AND (CFNADuration <= 3600)))
	Null Allowed:	null
	Remarks:	CFNADuration should be greater than or equal to 1 and less than or equal to 3600 for Hunt Pilots

2.3.153.29 cfnaintdestination (FI-2322)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK

Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$

2.3.153.30 cfnaintvoicemailenabled (FI-2323)

Type:	bool
Default Value:	FALSE

2.3.153.31 cfnavoicemailenabled (FI-1082)

Type:	bool
Default Value:	FALSE
Rule (RFI-32):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage != 2 AND tkPatternUsage != 11 Constraint: CFNAVoiceMailEnabled = 'f' Remarks: CFNAVoiceMailEnabled is TRUE only for Directory Numbers

2.3.153.32 cfurdestination (FI-3198)

Type:	string [50] (Null OK)
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$

2.3.153.33 cfurintdestination (FI-3199)

Type:	string [50] (Null OK)
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$

2.3.153.34 cfurintvoicemailenabled (FI-3200)

Type:	bool
Default Value:	FALSE

2.3.153.35 cfurvoicemailenabled (FI-3201)

Type:	bool
Default Value:	FALSE

2.3.153.36 clientcoderequired (FI-2324)

Type:	bool
Default Value:	FALSE

Rule (RFI-138):	Type:	Inter-field Condition and Constraint
	Test Condition:	SupportOverlapSending = 't'
	Constraint:	ClientCodeRequired = 'f'
	Remarks:	Client Matter Code (CMC) cannot be used when Overlap Sending is allowed

2.3.153.37 cssforcfa (FI-2325)

Type:	string [1024] (Null OK)
Migration Source:	will be removed in SD-GA
Remarks:	CSS pkid string combined device CSS and line CSS when fkCallingSearchSpace_CFA is Null

2.3.153.38 description (FI-1203)

Type:	string [50]	
Default Value:	EMPTY	
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{0,50}$	
Rule (RI-355):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Retrieval Code record not user modifiable
	Description:	If a NumPlan record is the Retrieval Code for a Directed Call Park, it is not user modifiable. DBMon manages those records
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = PATTERN_USAGE_DIRECTED_CALL_PARK) AND (USER = 'dbuser') THEN throw exception; END IF; -- need to skip on UPDATE if there are no changes
	Error Message:	The retrieval code record for Directed Call Park cannot be edited directly
	Remedy:	Make changes to the Park Code
Rule (RI-357):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Insert NumPlanDCPSyn for sync of DirectedCallPark Code and Retrieval Code
	Description:	If a record is inserted, updated or deleted in NumPlan table with a pattern usage of 12 (Directed Call Park) and empty ikNumPlan_ParkCode, insert a record into NumPlanDCPSyn table. DBMon checks for records in NumPlanDCPSyn table and takes necessary action to insert, update or delete the corresponding retrieval code record for the Directed Call Park.
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = 12) AND (ikNumPlan_ParkCode IS NULL) THEN Insert INTO NumPlanDCPSyn

2.3.153.39 devicefailuredn (FI-929)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$
Remarks:	Device failure
Rule (RFI-33):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage != 2 AND tkPatternUsage != 11 Constraint: DeviceFailureDN IS NULL Null Allowed: null Remarks: DeviceFailureDN is set only for Directory Numbers

2.3.153.40 deviceoverride (FI-2517)

Type:	bool
Default Value:	FALSE
Remarks:	Used to denote if RP associated can be overridden

2.3.153.41 dialplanwizardgenid (FI-680)

Type:	long (Indexed, Null OK)
Default Value:	NULL
Remarks:	This record created by DialPlanWizard

2.3.153.42 dnorpattern (FI-178)

Type:	dn (Indexed)
DN Type:	DN_TYPE_ALL_DIGITS
Migration Source:	DirectoryNum (or MeetMeConference.Pattern or CallPark.DIrectoryNum)
Remarks:	Depends on PatternUsage
Rule (RFI-66):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage = 0 OR tkPatternUsage = 12 Constraint: Validation: ^[]0-9*#X[^-]{1,50}$ Remarks: Call Park Number is invalid. Accepts numbers, X, and the following:*#[]^- Regular expression used to validate:^[]0-9*#X[^-]{1,50}$

Rule (RFI-67):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 1
	Constraint:	
	Validation:	^[]0-9*#X[^-]{1,50}$
	Remarks:	Meet Me Conference Number Range Invalid. Accepts numbers, X, and the following: []*#^- Regular expression used to validate:^[]0-9*#X[^-]{1,50}$
Rule (RFI-68):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 2 OR tkPatternUsage = 13
	Constraint:	
	Validation:	^[]0-9*#X[^+?!\\-]{1,24}$
	Remarks:	Device or Intercom Directory Number Invalid. Accepts numbers, X, \+ and the following: *#[]^ +?!- Regular expression used to validate:^[]0-9*#X[^+?!\\-]{1,24}$
Rule (RFI-69):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage IN (3,14,15,20)
	Constraint:	
	Validation:	^[]0-9A-D*#X[^+?.@!\\-]{0,50}$
	Remarks:	The Pattern is not valid for this usage: Accepts numbers, X, \+ and the following: *#[]^+?. @!- Regular expression used to validate:^[]0-9A-D*#X[^+?.@!\\-]{0,50}$
Rule (RFI-70):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 4
	Constraint:	
	Validation:	^[0-9]{1,24}$
	Remarks:	Call Pickup Number Invalid. Accepts up to 24 numbers. Regular expression used to validate:^ [0-9]{1,24}$

Rule (RFI-71):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 5
	Constraint:	
	Validation:	^[]0-9A-D*#X[^+?.@!\\-]{1,50}$
	Remarks:	Route Pattern Invalid. Accepts numbers, X, letters A,B,C,D, \+ and the following: *#[]^+?.@!- Regular expression used to validate:^[]0-9A-D*#X[^+?.@!\\-]{1,50}$
Rule (RFI-72):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 6
	Constraint:	
	Validation:	^[]0-9*#X[^+?!\\-]{1,50}$
	Remarks:	Message Waiting Indicator Number Invalid. Accepts numbers, X, \+ and the following: *#[]^ +?!- Regular expression used to validate:^[]0-9*#X[^+?!\\-]{1,50}$
Rule (RFI-73):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 7
	Constraint:	
	Validation:	^[]0-9A-D*#X[^+?.@!\\-]{1,50}$
	Remarks:	- allowed characters are numeric (0-9), alphabetic (A-D), X, close square bracket (]), open square bracket ([), at (@), dash (-), backslash (\\\\), question mark (?), exclamation mark (!), plus (+), dot (.), asterisk (*), carat (^), pound (#).
Rule (RFI-74):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 8
	Constraint:	
	Validation:	^[0-9]{1,24}$
	Remarks:	Voice Mail Port Directory Number Invalid. Accepts up to 24 numbers. Regular expression used to validate:^[0-9]{1,24}$
Rule (RFI-129):	Type:	Inter-field Condition and Constraint
	Test Condition:	fkDialPlan IS NOT NULL
	Constraint:	(DNOrPattern LIKE '%@%') OR (DNOrPattern LIKE '%.%')
	Remarks:	Dial Plan is not allowed for Patterns that do not have @ or .

Rule (RFI-131):	Type:	Inter-field Condition and Constraint
	Test Condition:	fkDialPlan IS NULL AND tkPatternUsage IN (3, 5, 7, 14, 15,20)
	Constraint:	(DNOrPattern NOT LIKE '%@%')
	Remarks:	Dial Plan is required for Non-SIP patterns that contain @
Rule (RFI-134):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 11
	Constraint:	
	Validation:	^[a-zA-Z 0-9._-]{1,50}$
	Remarks:	For patternusage device_template dnorpattern can have characters
Rule (RFI-140):	Type:	Inter-field Condition and Constraint
	Test Condition:	fkRoutePartition IS NULL
	Constraint:	DNOrPattern != ''
	Remarks:	Cannot have an empty pattern when no Partition is specified
Rule (RFI-141):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 9 AND tkPatternUsage = 10
	Constraint:	
	Validation:	^[]0-9a-zA-Z*+/[^.-]{1,255}$
	Remarks:	Only these characters allowed in SIP Route Pattern
Rule (RFI-161):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 16 OR tkPatternUsage = 17 OR tkPatternUsage = 18
	Constraint:	
	Validation:	^[0-9]{1,24}$
	Remarks:	Invalid pattern for Mobility number (Handoff or Enterprise Feature Access or Mobile Voice Access). Mobility patterns accept up to 24 digits. Regular expression used to validate:^[0-9]{1,24}$

Rule (RI-97):	Type:	Validation (Insert/Update)
	Rule Name:	NumPlan Uniqueness
	Description:	DN by itself is not unique. Uniqueness for records in the NumPlan table is determined by a combination of the DNOrPattern and Partition, with the exception of Route Patterns and Translation Patterns, which may be further defined by Dial Plan and Route Filter. A Route Pattern or Translation Pattern cannot have the same DNOrPattern and Partition as any other type of pattern even if the Dial Plan, Route Filter or both are different.
	Test Condition:	?
Rule (RI-120):	Type:	Validation (Insert/Update)
	Rule Name:	DNOrPattern Characters and Digits
	Description:	While the maximum number of digits for any destination (called number) in Cisco CallManager is 24 digits, the length of an entry in the NumPlan DNOrPattern field may contain up to 50 characters. This is necessary to allow for patterns that contain expressions where several characters are used to define a set or range of acceptable values for a particular digit. DNs and Patterns cannot contain more than 24 dialed digits once expressions are taken into account and reduced to a single digit.
	Test Condition:	NumPlan.dNOrPattern with wildcards and expressions collapsed to single character may not contain more than 24 digits
Rule (RI-238):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	doBeforeNumPlanInsOrUpd
	Description:	Before Insert/Update logic from NumPlan table
	Test Condition:	?
	Error Message:	?
	Remedy:	?
Rule (RI-238):	Type:	Active (Insert/Update)
	Rule Name:	doBeforeNumPlanInsOrUpd
	Description:	Before Insert/Update logic from NumPlan table
	Test Condition:	?
	Error Message:	?
	Remedy:	?

Rule (RI-279):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	numplan versionstamp
	Description:	on change to anything in numplan table, update device versionstamp
	Test Condition:	update device
Rule (RI-292):	Type:	Validation (Insert/Update)
	Rule Name:	SIP DomainName
	Description:	Verify SIP hostname is conforming
	Test Condition:	I/U where patternusage is 9
	Error Message:	Hostname does not conform to accepted standard
Rule (RI-293):	Type:	Validation (Insert/Update)
	Rule Name:	SIP CIDR IP
	Description:	Verify SIP CIDR IP is conforming
	Test Condition:	I/U where patternusage is 10
	Error Message:	IP address does not conform to accepted standard
Rule (RI-294):	Type:	Active (Insert/Update)
	Rule Name:	Lcase DnOrPatter
	Description:	Change DnOrPattern to lcase if patternusage = 9,10
	Test Condition:	I/U where patternusage = 9,10
Rule (RI-294):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	Lcase DnOrPatter
	Description:	Change DnOrPattern to lcase if patternusage = 9,10
	Test Condition:	I/U where patternusage = 9,10

Rule (RI-296):	Type:	Active (Insert/Update)
	Rule Name:	NumPlan Pattern 3,5,7
	Description:	Verify Translation, Hunt, and Route patterns
	Test Condition:	I/U where pattern usage = 3,5,7
	Error Message:	DNOrPattern does not conform to specification
Rule (RI-299):	Type:	Active (Insert/Update)
	Rule Name:	NumPlan Pattern 0
	Description:	Verify CallPark pattern
	Test Condition:	I/U where pattern = 0
	Error Message:	DNOrPattern does not conform to specification
Rule (RI-304):	Type:	Active (Insert/Update)
	Rule Name:	NumPlan Pattern 1,2,6
	Description:	Verify Conference, Device, MsgWaiting
	Test Condition:	I/U where pattern = 1,2,6
	Error Message:	DnOrPattern does not conform to specification
Rule (RI-353):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Reversion Number must be available
	Description:	The number created by combining the Park Code and Reversion Prefix must not already exist in the same partition as the Park Code. For example if the Park Code is 222 in PartitionX and the Reversion Prefix is 8, there cannot already be a pattern of any type in PartitionX with a pattern of 8222. On Update if neither the Park Code nor the prefix has been changed, skip this check.
	Test Condition:	ON INSERT/UPDATE in NumPlan: IF (new_tkPatternUsage = PATTERN_USAGE_DIRECTED_CALL_PARK) AND (new_ikNumPlan_ParkCode IS NULL) THEN SELECT count(*) INTO nRows FROM NumPlan WHERE fkRoutePartition = new_fkRoutePartition AND dnOrPattern = (new_PrefixDigitsOut || new_dnOrPattern); IF (nRows > 0) THEN throw exception; END IF; END IF
	Error Message:	The retrieval code (Prefix + Park Code) already exists.
	Remedy:	Change the Park Code or the Retrieval Prefix

Rule (RI-355):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Retrieval Code record not user modifiable
	Description:	If a NumPlan record is the Retrieval Code for a Directed Call Park, it is not user modifiable. DBMon manages those records
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = PATTERN_USAGE_DIRECTED_CALL_PARK) AND (USER = 'dbuser') THEN throw exception; END IF; -- need to skip on UPDATE if there are no changes
	Error Message:	The retrieval code record for Directed Call Park cannot be edited directly
	Remedy:	Make changes to the Park Code
Rule (RI-357):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Insert NumPlanDCPSyn for sync of DirectedCallPark Code and Retrieval Code
	Description:	If a record is inserted, updated or deleted in NumPlan table with a pattern usage of 12 (Directed Call Park) and empty ikNumPlan_ParkCode, insert a record into NumPlanDCPSyn table. DBMon checks for records in NumPlanDCPSyn table and takes necessary action to insert, update or delete the corresponding retrieval code record for the Directed Call Park.
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = 12) AND (ikNumPlan_ParkCode IS NULL) THEN Insert INTO NumPlanDCPSyn
Rule (RI-371):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Code and Prefix max length 24 digits each
	Description:	The max length for both the Park Code and Retrieval Prefix is 24 digits. The resulting retrieval code can therefore be up to 48 digits
	Test Condition:	ON INSERT/UPDATE IN NumPlan: IF (new_tkPatternUsage = 12) AND ((LENGTH (new_DnOrPattern) > 24) OR (LENGTH(new_PrefixDigitsOut) > 24)) THEN throw exception
	Error Message:	Park Code and Retrieval Prefix are each limited to 24 digits.
	Remedy:	Reduce the length of the Park Code and/or Retrieval Prefix and try again.

Rule (RI-768):	Type:	Validation (Update)
	Rule Name:	BLF Directed CallPark number must be a Directed Call Park destination
	Description:	The NumPlan item referenced in BLFDirectedCallPark table must be a diable Directed Call Park pattern. The pattern must contain only dialable digits (0-9, * and #) and may not contain wildcards (X) or expressions with brackets.
	Test Condition:	ON INSERT/UPDATE in BLFDirectedCallPark: DNOrPattern should contain ^[0-9*#+]
	Error Message:	The BLF Directed Call Park number must be a dialable Directed Call Park Destination
	Remedy:	Make sure the Destination is a dialable Directed Call Park number and try again.

2.3.153.43 dnorpatternipv6 (FI-3684)

Type:	string [255]
Default Value:	EMPTY
Remarks:	SIP route pattern to include IPv6 address for URL based patterns. This field does not allow domain names.

Rule (RFI-190):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage <>10
	Constraint:	(DNOrPatternIPv6 = '')
	Remarks:	IPv6 address should only be set for IPAddress Routing pattern
Rule (RI-703):	Type:	Validation (Insert/Update)
	Rule Name:	Insert Update NumPlan.DNOrPatternIPv6
	Description:	On insert or update value must be valid hostname or valid ip address and valid ip address must not be SiteLocal LinkLocal IPv4 Mapped IPv4 Combined or Unspecified
	Test Condition:	On insert or update of DNOrPatternIPv6
	Error Message:	Value must be valid hostname or valid ip address and valid ip address must not be SiteLocal LinkLocal IPv4 Mapped IPv4 Combined or Unspecified
	Remedy:	Correct to valid IPv6 address or hostname

2.3.153.44 fkaarneighborhood (FI-1119)

Type:	guid (Null OK)
Default Value:	NULL

2.3.153.45 fkcallingsearchspace_cfapt (FI-1342)

Type:	guid (Null OK)

Default Value:	NULL
Remarks:	Call Forward Alternate Party
Rule (RFI-35):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage != 2 AND tkPatternUsage != 11 Constraint: fkCallingSearchSpace_CFAPT IS NULL Null Allowed: null Remarks: CallingSearchSpace_CFAPT is required only for Directory Numbers

2.3.153.46 fkcallingsearchspace_cfb (FI-638)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Call Forward Busy
Rule (RFI-36):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage != 2 AND tkPatternUsage != 7 AND tkPatternUsage != 11 Constraint: fkCallingSearchSpace_CFB IS NULL Null Allowed: null Remarks: CallingSearchSpace_CFB is required only for Directory Numbers

2.3.153.47 fkcallingsearchspace_cfbint (FI-2326)

Type:	guid (Null OK)
Default Value:	NULL

2.3.153.48 fkcallingsearchspace_cfhr (FI-3202)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Call Forward On Hold Reversion

2.3.153.49 fkcallingsearchspace_cfhrint (FI-3203)

Type:	guid (Null OK)
Default Value:	NULL

2.3.153.50 fkcallingsearchspace_cfna (FI-639)

Type:	guid (Null OK)

Default Value:	NULL
Remarks:	Call Forward No Answer
Rule (RFI-37):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage != 2 AND tkPatternUsage != 7 AND tkPatternUsage != 11 Constraint: fkCallingSearchSpace_CFNA IS NULL Null Allowed: null Remarks: CallingSearchSpace_CFNA is required only for Directory Numbers

2.3.153.51 fkcallingsearchspace_cfnaint (FI-2468)

Type:	guid (Null OK)
Default Value:	NULL

2.3.153.52 fkcallingsearchspace_cfur (FI-3204)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Call Forward Not Registered

2.3.153.53 fkcallingsearchspace_cfurint (FI-3205)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Call Forward Not Registered

2.3.153.54 fkcallingsearchspace_devicefailure (FI-930)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Device failure
Rule (RFI-38):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage != 2 AND tkPatternUsage != 11 Constraint: fkCallingSearchSpace_DeviceFailure IS NULL Null Allowed: null Remarks: CallingSearchSpace_DeviceFailure is required only for Directory Numbers

2.3.153.55 fkcallingsearchspace_mwi (FI-1078)

Type:	guid (Null OK)
Default Value:	NULL
Rule (RFI-39):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage != 6 Constraint: fkCallingSearchSpace_MWI IS NULL Null Allowed: null Remarks: CallingSearchSpace_MWI is required only for Message Waiting Indicators

2.3.153.56 fkcallingsearchspace_pff (FI-2327)

Type:	guid (Null OK)
Default Value:	NULL

2.3.153.57 fkcallingsearchspace_pffint (FI-2328)

Type:	guid (Null OK)
Default Value:	NULL

2.3.153.58 fkcallingsearchspace_pkmonfwdnoret (FI-3725)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Calling Search Space for Park Monitoring Forward No Retreive Destination
Rule (RFI-224):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage != 2 AND tkPatternUsage != 7 AND tkPatternUsage != 11 Constraint: fkCallingSearchSpace_PkMonFwdNoRet IS NULL Remarks: Calling Search Space for Park Monitoring Forward No Retreive Destination is set only for Directory Numbers (Device, Device Template and Hunt Pilot)

2.3.153.59 fkcallingsearchspace_pkmonfwdnoretint (FI-3726)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Calling Search Space for Park Monitoring Forward No Retreive Internal Destination

Rule (RFI-225):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 11
	Constraint:	fkCallingSearchSpace_PkMonFwdNoRetInt IS NULL
	Remarks:	Calling Search Space for Park Monitoring Forward No Retreive Internal Destination is set only for Directory Numbers (Device and Device Template)

2.3.153.60 fkcallingsearchspace_reroute (FI-2400)

Type:	guid (Not Modifiable, Null OK)
Default Value:	NULL
Remarks:	NOT USED TODAY - Called Redirect CallingSearchSpace on admin

2.3.153.61 fkcallingsearchspace_revert (FI-3206)

Type:	guid (Null OK)	
Default Value:	NULL	
Rule (RI-355):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Retrieval Code record not user modifiable
	Description:	If a NumPlan record is the Retrieval Code for a Directed Call Park, it is not user modifiable. DBMon manages those records
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = PATTERN_USAGE_DIRECTED_CALL_PARK) AND (USER = 'dbuser') THEN throw exception; END IF; -- need to skip on UPDATE if there are no changes
	Error Message:	The retrieval code record for Directed Call Park cannot be edited directly
	Remedy:	Make changes to the Park Code
Rule (RI-357):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Insert NumPlanDCPSyn for sync of DirectedCallPark Code and Retrieval Code
	Description:	If a record is inserted, updated or deleted in NumPlan table with a pattern usage of 12 (Directed Call Park) and empty ikNumPlan_ParkCode, insert a record into NumPlanDCPSyn table. DBMon checks for records in NumPlanDCPSyn table and takes necessary action to insert, update or delete the corresponding retrieval code record for the Directed Call Park.
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = 12) AND (ikNumPlan_ParkCode IS NULL) THEN Insert INTO NumPlanDCPSyn

2.3.153.62 fkcallingsearchspace_sharedlineappear (FI-467)

Type:	guid (Null OK)	
Default Value:	NULL	
Migration Source:	NULL	
Rule (RFI-40):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (2, 8, 11, 13,19)
	Constraint:	fkCallingSearchSpace_SharedLineAppear IS NULL
	Null Allowed:	null
	Remarks:	CallingSearchSpace_SharedLineAppear is required only for Directory Numbers, Voice Mail Ports, Intercom Lines and line templates
Rule (RFI-153):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 13 or tkPatternUsage=19
	Constraint:	(fkCallingSearchSpace_SharedLineAppear IS NOT NULL)
	Remarks:	Calling Search Space (fkCallingSearchSpace_SharedLineAppear) is required for Intercom lines.
Rule (RI-369):	Type:	Validation (Insert/Update)
	Rule Name:	Intercom Line must have an Intercom Calling Search Space
	Description:	For Intercom line an Intercom CSS is required (cannot be null, must be tkPartitionUsage = Intercom)
	Test Condition:	ON INSERT/UPDATE IN NumPlan: IF (new_tkPatternUsage = PATTERN_USAGE_INTERCOM) AND ((new_fkCallingSearchSpace IS NULL) OR (SELECT tkPartitionUsage FROM CallingSearchSpace WHERE pkid = new_fkCallingSearchSpace <> PARTITION_USAGE_INTERCOM) THEN throw exception
	Error Message:	Intercom line must have an Intercom Calling Search Space
	Remedy:	Assign an Intercom CSS and try again.

2.3.153.63 fkcallingsearchspace_translation (FI-553)

Type:	guid (Null OK)
Default Value:	NULL
Migration Source:	NULL
Remarks:	used only if tkPatternUsage is translation

Rule (RFI-41):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,14,15,20)
	Constraint:	fkCallingSearchSpace_Translation IS NULL
	Null Allowed:	null
	Remarks:	CallingSearchSpace_Translation is required only for Translation Patterns
Rule (RFI-154):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 14
	Constraint:	(fkCallingSearchSpace_Translation IS NOT NULL)
	Remarks:	Calling Search Space (fkCallingSearchSpace_Translation) is required for Intercom Translation patterns.
Rule (RI-370):	Type:	Validation (Insert/Update)
	Rule Name:	Intercom Translation Pattern must have an Intercom CSS
	Description:	The max length for both the Park Code and Retrieval Prefix is 24 digits. The resulting retrieval code can therefore be up to 48 digits
	Test Condition:	ON INSERT/UPDATE IN NumPlan: SELECT tkpartitionusage INTO CSSrpUsage FROM callingsearchspace WHERE pkid = new_fkCallingSearchSpace_Translation; IF (CSSrpUsage IS NOT NULL) THEN IF (new_tkPatternUsage = 14)) THEN IF (CSSrpUsage <> 13) THEN LET theMoniker = 'NP_NOT_INTERCOM_CSS'; execute procedure DBErrorHandler(theMoniker); END IF ELSE IF (CSSrpUsage = 13) THEN LET theMoniker = 'NP_INTERCOM_CSS_NOT_ALLOWED'; execute procedure DBErrorHandler(theMoniker); END IF; END IF;
	Error Message:	Intercom translation pattern must have an Intercom Calling Search Space
	Remedy:	Assign an Intercom CSS and try again.

2.3.153.64 fkcallmanager (FI-1889)

Type:	guid (Cascade Delete, Null OK)
Default Value:	NULL
Remarks:	Pointer to CallManager assoicated with callparck

Rule (RFI-1):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 0
	Constraint:	fkCallManager IS NOT NULL
	Null Allowed:	null
	Remarks:	CallManager is required for Call Park
Rule (RFI-2):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 0
	Constraint:	fkCallManager IS NULL
	Null Allowed:	null
	Remarks:	CallManager not used for non-Call Park.
Rule (RFI-42):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 0
	Constraint:	fkCallManager IS NULL
	Null Allowed:	null
	Remarks:	CallManager is required only for Call Park

2.3.153.65 fkdevice_intercomdefault (FI-3648)

Type:	guid (Null OK)	
Remarks:	References the device associated with intercom line when EM is not used or not logged in	
Rule (RFI-191):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage <>13 AND tkPatternUsage <>19
	Constraint:	(fkDevice_IntercomDefault IS NULL)
	Remarks:	Intercom Default device should be set only for Intercom lines.
Rule (RI-279):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	numplan versionstamp
	Description:	on change to anything in numplan table, update device versionstamp
	Test Condition:	update device

Rule (RI-467):	Type:	Validation (Insert/Update)
	Rule Name:	NumPlan.fkDevice_IntercomDefault should be a real device
	Description:	Default device for intercom to be a real device (not a profile) that supports the Intercom feature based on product and protocol (PSF enum = 71)
	Test Condition:	ON INSERT/UPDATE IN Numplan
	Error Message:	Default device for intercom must be a real device (not a profile) that supports the Intercom feature.
	Remedy:	Use a different device as default device.

2.3.153.66 fkdialplan (FI-548)

Type:	guid (Null OK)
Default Value:	NULL
Migration Source:	id for NADP
Remarks:	used only for route pattern

Rule (RFI-44):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,14,15,20)
	Constraint:	fkDialPlan IS NULL
	Null Allowed:	null
	Remarks:	DialPlan is required only for Route and Translation Patterns
Rule (RI-97):	Type:	Validation (Insert/Update)
	Rule Name:	NumPlan Uniqueness
	Description:	DN by itself is not unique. Uniqueness for records in the NumPlan table is determined by a combination of the DNOrPattern and Partition, with the exception of Route Patterns and Translation Patterns, which may be further defined by Dial Plan and Route Filter. A Route Pattern or Translation Pattern cannot have the same DNOrPattern and Partition as any other type of pattern even if the Dial Plan, Route Filter or both are different.
	Test Condition:	?

Rule (RI-121):	Type:	Validation (Insert/Update)
	Rule Name:	DigitDiscardInstruction matches Dial Plan
	Description:	Digit Discard Instructions are dependent on the Dial Plan associated with the current item.
	Test Condition:	@NumPlan.fkDigitDiscardInstruction IN (SELECT pkid FROM DigitDiscardInsturction WHERE DigitDiscardInstruction.fkDialPlan = @NumPlan.fkDialPlan)
	Error Message:	Digit Discard Instruction must be associated with the current item's Dial Plan.
	Remedy:	Correct the Dial Plan for the current item or select a Digit Discard Instruction that matches the current Dial Plan.
Rule (RI-122):	Type:	Validation (Insert/Update)
	Rule Name:	Route Filter matches Dial Plan
	Description:	Route Filters are dependent on the Dial Plan associated with the current item.
	Test Condition:	@NumPlan.fkRouteFilter IN (SELECT pkid FROM RouteFilter WHERE RouteFilter.fkDialPlan = @NumPlan.fkDialPlan)
	Error Message:	Route Filter must be associated with the current item's Dial Plan.
	Remedy:	Correct the Dial Plan for the current item or select a Route Filter that matches the current Dial Plan.

2.3.153.67 fkdigitdiscardinstruction (FI-189)

Type:	guid (Null OK)
Default Value:	NULL
Migration Source:	???DigitDiscardInstructions
Remarks:	A transform

Rule (RFI-45):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,14,15,20)
	Constraint:	fkDigitDiscardInstruction IS NULL
	Null Allowed:	null
	Remarks:	DigitDiscardInstruction is required only for Route and Translation Patterns

Rule (RI-121):	Type:	Validation (Insert/Update)
	Rule Name:	DigitDiscardInstruction matches Dial Plan
	Description:	Digit Discard Instructions are dependent on the Dial Plan associated with the current item.
	Test Condition:	@NumPlan.fkDigitDiscardInstruction IN (SELECT pkid FROM DigitDiscardInsturction WHERE DigitDiscardInstruction.fkDialPlan = @NumPlan.fkDialPlan)
	Error Message:	Digit Discard Instruction must be associated with the current item's Dial Plan.
	Remedy:	Correct the Dial Plan for the current item or select a Digit Discard Instruction that matches the current Dial Plan.

2.3.153.68 fkmatrix_presence (FI-2401)

Type:	guid
Default Value:	ad243d17-98b4-4118-8feb-5ff2e1b781ac
Remarks:	Pkid for Presence Group Matrix record

2.3.153.69 fkresourceprioritynamespace (FI-3504)

Type:	guid (Null OK)	
Default Value:	NULL	
Remarks:	Resource Priority Namespace for Route Patterns and Translation Patterns	
Rule (RFI-167):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage Not in (3,5)
	Constraint:	fkResourcePriorityNamespace is NULL
	Remarks:	ResourcePriorityNamespace is used only with RoutePatterns and Translation Patterns

2.3.153.70 fkroutefilter (FI-187)

Type:	guid (Null OK)
Default Value:	NULL
Migration Source:	convert from WhereID
Remarks:	used only if pattern contains an @

Rule (RI-97):	Type:	Validation (Insert/Update)
	Rule Name:	NumPlan Uniqueness
	Description:	DN by itself is not unique. Uniqueness for records in the NumPlan table is determined by a combination of the DNOrPattern and Partition, with the exception of Route Patterns and Translation Patterns, which may be further defined by Dial Plan and Route Filter. A Route Pattern or Translation Pattern cannot have the same DNOrPattern and Partition as any other type of pattern even if the Dial Plan, Route Filter or both are different.
	Test Condition:	?
Rule (RI-122):	Type:	Validation (Insert/Update)
	Rule Name:	Route Filter matches Dial Plan
	Description:	Route Filters are dependent on the Dial Plan associated with the current item.
	Test Condition:	@NumPlan.fkRouteFilter IN (SELECT pkid FROM RouteFilter WHERE RouteFilter.fkDialPlan = @NumPlan.fkDialPlan)
	Error Message:	Route Filter must be associated with the current item's Dial Plan.
	Remedy:	Correct the Dial Plan for the current item or select a Route Filter that matches the current Dial Plan.

2.3.153.71 fkroutepartition (FI-177)

Type:	guid (Null OK)	
Default Value:	NULL	
Migration Source:	NULL	
Rule (RFI-152):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 13 OR tkPatternUsage = 14 OR tkPatternUsage=19
	Constraint:	(fkRoutePartition IS NOT NULL)
	Remarks:	Route Partition is required for Intercom lines and Intercom Translation patterns.

Rule (RI-97):	Type:	Validation (Insert/Update)
	Rule Name:	NumPlan Uniqueness
	Description:	DN by itself is not unique. Uniqueness for records in the NumPlan table is determined by a combination of the DNOrPattern and Partition, with the exception of Route Patterns and Translation Patterns, which may be further defined by Dial Plan and Route Filter. A Route Pattern or Translation Pattern cannot have the same DNOrPattern and Partition as any other type of pattern even if the Dial Plan, Route Filter or both are different.
	Test Condition:	?
Rule (RI-353):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Reversion Number must be available
	Description:	The number created by combining the Park Code and Reversion Prefix must not already exist in the same partition as the Park Code. For example if the Park Code is 222 in PartitionX and the Reversion Prefix is 8, there cannot already be a pattern of any type in PartitionX with a pattern of 8222. On Update if neither the Park Code nor the prefix has been changed, skip this check.
	Test Condition:	ON INSERT/UPDATE in NumPlan: IF (new_tkPatternUsage = PATTERN_USAGE_DIRECTED_CALL_PARK) AND (new_ikNumPlan_ParkCode IS NULL) THEN SELECT count(*) INTO nRows FROM NumPlan WHERE fkRoutePartition = new_fkRoutePartition AND dnOrPattern = (new_PrefixDigitsOut || new_dnOrPattern); IF (nRows > 0) THEN throw exception; END IF; END IF
	Error Message:	The retrieval code (Prefix + Park Code) already exists.
	Remedy:	Change the Park Code or the Retrieval Prefix
Rule (RI-355):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Retrieval Code record not user modifiable
	Description:	If a NumPlan record is the Retrieval Code for a Directed Call Park, it is not user modifiable. DBMon manages those records
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = PATTERN_USAGE_DIRECTED_CALL_PARK) AND (USER = 'dbuser') THEN throw exception; END IF; -- need to skip on UPDATE if there are no changes
	Error Message:	The retrieval code record for Directed Call Park cannot be edited directly
	Remedy:	Make changes to the Park Code

Rule (RI-357):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Insert NumPlanDCPSyn for sync of DirectedCallPark Code and Retrieval Code
	Description:	If a record is inserted, updated or deleted in NumPlan table with a pattern usage of 12 (Directed Call Park) and empty ikNumPlan_ParkCode, insert a record into NumPlanDCPSyn table. DBMon checks for records in NumPlanDCPSyn table and takes necessary action to insert, update or delete the corresponding retrieval code record for the Directed Call Park.
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = 12) AND (ikNumPlan_ParkCode IS NULL) THEN Insert INTO NumPlanDCPSyn
Rule (RI-368):	Type:	Validation (Insert/Update)
	Rule Name:	Intercom Line or Translation must have an Intercom Partition
	Description:	For Intercom line or translation pattern an Intercom Partition is required (cannot be null, must be tkPartitionUsage = Intercom)
	Test Condition:	ON INSERT/UPDATE IN NumPlan: IF (new_tkPatternUsage = PATTERN_USAGE_INTERCOM) AND ((new_fkRoutePartition IS NULL) OR (SELECT tkPartitionUsage FROM RoutePartition WHERE pkid = new_fkRoutePartition <> PARTITION_USAGE_INTERCOM) THEN throw exception
	Error Message:	Intercom line must have an Intercom Partition
	Remedy:	Assign an Intercom Partition and try again.
Rule (RI-705):	Type:	Validation (Insert/Update)
	Rule Name:	IPv6 Pattern Uniqueness
	Description:	IPv6 Pattern should be unique in the same partition
	Test Condition:	Test condition is to check if there is already a same IPV6 pattern in the same partion
	Error Message:	Cannot have duplicate IPv6 patterns

2.3.153.72 fkvoicemessagingprofile (FI-1079)

Type:	guid (Null OK)
Default Value:	NULL

Rule (RFI-75):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 8 AND tkPatternUsage != 11
	Constraint:	fkVoiceMessagingProfile IS NULL
	Null Allowed:	null
	Remarks:	VoiceMessagingProfile is required only for Directory Numbers
Rule (RFI-76):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 8
	Constraint:	fkVoiceMessagingProfile = '00000000-1111-0000-0000-000000000000' AND fkVoiceMessagingProfile IS NOT NULL
	Null Allowed:	null
	Remarks:	No Voicemail required for VM Port DN

2.3.153.73 hrduration (FI-3207)

Type:	long (Null OK)
Default Value:	NULL
Check Constraint:	(HRDuration >= 0) AND (HRDuration <= 1200)
Remarks:	time (in seconds) before notification starts for held call; -1 defaults to Service Parameter, 0 disables feature

2.3.153.74 hrinterval (FI-3208)

Type:	long (Null OK)
Default Value:	NULL
Check Constraint:	(HRInterval >= 0) AND (HRInterval <= 1200)
Remarks:	time (in seconds) between notifications for held call; -1 defaults to Service Parameter, 0 disables feature

2.3.153.75 iknumplan_parkcode (FI-3209)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Directed Call Park record for which this record specifies the Retrieval Code.

Rule (RI-120):	Type:	Validation (Insert/Update)
	Rule Name:	DNOrPattern Characters and Digits
	Description:	While the maximum number of digits for any destination (called number) in Cisco CallManager is 24 digits, the length of an entry in the NumPlan DNOrPattern field may contain up to 50 characters. This is necessary to allow for patterns that contain expressions where several characters are used to define a set or range of acceptable values for a particular digit. DNs and Patterns cannot contain more than 24 dialed digits once expressions are taken into account and reduced to a single digit.
	Test Condition:	NumPlan.dNOrPattern with wildcards and expressions collapsed to single character may not contain more than 24 digits
Rule (RI-353):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Reversion Number must be available
	Description:	The number created by combining the Park Code and Reversion Prefix must not already exist in the same partition as the Park Code. For example if the Park Code is 222 in PartitionX and the Reversion Prefix is 8, there cannot already be a pattern of any type in PartitionX with a pattern of 8222. On Update if neither the Park Code nor the prefix has been changed, skip this check.
	Test Condition:	ON INSERT/UPDATE in NumPlan: IF (new_tkPatternUsage = PATTERN_USAGE_DIRECTED_CALL_PARK) AND (new_ikNumPlan_ParkCode IS NULL) THEN SELECT count(*) INTO nRows FROM NumPlan WHERE fkRoutePartition = new_fkRoutePartition AND dnOrPattern = (new_PrefixDigitsOut || new_dnOrPattern); IF (nRows > 0) THEN throw exception; END IF; END IF
	Error Message:	The retrieval code (Prefix + Park Code) already exists.
	Remedy:	Change the Park Code or the Retrieval Prefix
Rule (RI-355):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Retrieval Code record not user modifiable
	Description:	If a NumPlan record is the Retrieval Code for a Directed Call Park, it is not user modifiable. DBMon manages those records
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = PATTERN_USAGE_DIRECTED_CALL_PARK) AND (USER = 'dbuser') THEN throw exception; END IF; -- need to skip on UPDATE if there are no changes
	Error Message:	The retrieval code record for Directed Call Park cannot be edited directly
	Remedy:	Make changes to the Park Code

Rule (RI-357):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Insert NumPlanDCPSyn for sync of DirectedCallPark Code and Retrieval Code
	Description:	If a record is inserted, updated or deleted in NumPlan table with a pattern usage of 12 (Directed Call Park) and empty ikNumPlan_ParkCode, insert a record into NumPlanDCPSyn table. DBMon checks for records in NumPlanDCPSyn table and takes necessary action to insert, update or delete the corresponding retrieval code record for the Directed Call Park.
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = 12) AND (ikNumPlan_ParkCode IS NULL) THEN Insert INTO NumPlanDCPSyn
Rule (RI-371):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Code and Prefix max length 24 digits each
	Description:	The max length for both the Park Code and Retrieval Prefix is 24 digits. The resulting retrieval code can therefore be up to 48 digits
	Test Condition:	ON INSERT/UPDATE IN NumPlan: IF (new_tkPatternUsage = 12) AND ((LENGTH (new_DnOrPattern) > 24) OR (LENGTH(new_PrefixDigitsOut) > 24)) THEN throw exception
	Error Message:	Park Code and Retrieval Prefix are each limited to 24 digits.
	Remedy:	Reduce the length of the Park Code and/or Retrieval Prefix and try again.

2.3.153.76 iscallable (FI-1616)

Type:	bool
Default Value:	TRUE
Remarks:	If this numplan is mapped in DeviceNumPlanMap, this is true. Otherwise, this is user settable if it tkPatternUsage is device.

Rule (RI-170):	Type:	Active (Insert/Update/Delete records) This field is modified by this rule.
	Rule Name:	DN Not Callable when removed from last Device
	Description:	If a DN is no longer used by any device, it is automatically marked not callable in the database. The Administrator may then manually mark the DN callable again so that forwarding is enabled for that DN.
	Test Condition:	ON DELETE FROM DeviceNumPlanMap IF ((SELECT COUNT(*) FROM DeviceNumPlanMap WHERE DeviceNumPlanMap.fkNumPlan = @fkNumPlan) = 0) THEN UPDATE NumPlan SET IsCallable = 0 WHERE pkid = @fkNumPlan

Rule (RI-265):	Type:	Active (Insert/Update)
	Rule Name:	Set IsCallable for pattern_device
	Description:	When (tkPatternUsage == PATTERN_DEVICE_TEMPLATE) then isCallable column in NumPlan should be set to false
	Test Condition:	?
	Error Message:	Set IsCallable for pattern_device_template failed
	Remedy:	?
Rule (RI-265):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	Set IsCallable for pattern_device
	Description:	When (tkPatternUsage == PATTERN_DEVICE_TEMPLATE) then isCallable column in NumPlan should be set to false
	Test Condition:	?
	Error Message:	Set IsCallable for pattern_device_template failed
	Remedy:	?

2.3.153.77 ismessagewaitingon (FI-2480)

Type:	bool
Default Value:	FALSE

2.3.153.78 networkholdmohaudiosourceid (FI-871)

Type:	long (Null OK)	
Default Value:	NULL	
Rule (RFI-48):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 11
	Constraint:	NetworkHoldMOHAudioSourceID IS NULL
	Null Allowed:	null
	Remarks:	NetworkHoldMOHAudioSourceID is set only for Directory Numbers

2.3.153.79 outsidedialtone (FI-2516)

Type:	bool
Default Value:	FALSE

Remarks:	Dialtone associated with Gateways etc.

2.3.153.80 parkmonforwardnoretrievedn (FI-3721)

Type:	string [50] (Null OK)
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$
Remarks:	Park Monitoring Forward No Retreive Destination
Rule (RFI-220):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage != 2 AND tkPatternUsage != 7 AND tkPatternUsage != 11 Constraint: ParkMonForwardNoRetrieveDN IS NULL Remarks: Park Monitoring Forward No Retreive Destination is set only for Directory Numbers (Device, Device Template and Hunt Pilot)

2.3.153.81 parkmonforwardnoretrieveintdn (FI-3722)

Type:	string [50] (Null OK)
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$
Remarks:	Park Monitoring Forward No Retreive Internal Destination
Rule (RFI-221):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage != 2 AND tkPatternUsage != 11 Constraint: ParkMonForwardNoRetrieveIntDN IS NULL Remarks: Park Monitoring Forward No Retreive Internal Destination is set only for Directory Numbers (Device and Device Template)

2.3.153.82 parkmonforwardnoretrieveintvmenabled (FI-3723)

Type:	bool
Default Value:	FALSE
Remarks:	Park Monitoring Forward No Retrieve Internal Voice Mail is Enabled

Rule (RFI-222):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 11
	Constraint:	ParkMonForwardNoRetrieveIntVMEnabled = 'f'
	Null Allowed:	null
	Remarks:	Park Monitoring Forward No Retrieve Internal Voice Mail is TRUE only for Directory Numbers (Device and Device Template)

2.3.153.83 parkmonforwardnoretrievevmenabled (FI-3724)

Type:	bool
Default Value:	FALSE
Remarks:	Park Monitoring Forward No Retrieve Voice Mail is Enabled

Rule (RFI-223):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 11
	Constraint:	ParkMonForwardNoRetrieveVMEnabled = 'f'
	Null Allowed:	null
	Remarks:	Park Monitoring Forward No Retrieve Voice Mail is TRUE only for Directory Numbers (Device and Device Template)

2.3.153.84 parkmonreversiontimer (FI-3727)

Type:	long (Null OK)
Default Value:	NULL
Check Constraint:	(ParkMonReversionTimer >= 0) AND (ParkMonReversionTimer <= 1200)
Remarks:	Park Monitoring Reversion Timer

Rule (RFI-226):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 11
	Constraint:	ParkMonReversionTimer IS NULL
	Remarks:	Park Monitoring Reversion Timer is set only for Device and Device Template

2.3.153.85 patternurgency (FI-557)

Type:	bool
Default Value:	FALSE
Migration Source:	new

Remarks:	if true, then autodial when go off hook	
Rule (RFI-49):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage IN (15,20)
	Constraint:	PatternUrgency = 't'
	Remarks:	PatternUrgency is always TRUE for Called/Calling Party Number Transformation
Rule (RFI-50):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,14,15,20)
	Constraint:	PatternUrgency = 'f'
	Remarks:	PatternUrgency is always FALSE if not Route or Translation Pattern

2.3.153.86 personalroutingenabled (FI-907)

Type:	bool
Default Value:	FALSE

2.3.153.87 pff_cfb (FI-2329)

Type:	bool
Default Value:	FALSE

2.3.153.88 pff_cfna (FI-2330)

Type:	bool
Default Value:	FALSE

2.3.153.89 pffdestination (FI-2331)

Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$

2.3.153.90 pffintdestination (FI-2332)

Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$

2.3.153.91 pffintvoicemailenabled (FI-2333)

Type:	bool
Default Value:	FALSE

2.3.153.92 pffvoicemailenabled (FI-2334)

Type:	bool
Default Value:	FALSE

2.3.153.93 pkid (FI-175)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

Rule (RI-96):

Type:	Validation (Insert/Update)
Rule Name:	AutoAnswer Device Support
Description:	The AutoAnswer setting for a DN can only be on when the DN is associated with a Device (or Device Profile) type that supports the Auto Answer feature.
Test Condition:	IF (NumPlan.tkAutoAnswer != 0) AND (SELECT COUNT (*) FROM ProductSupportsFeature WHERE (tkSupportsFeature = 7) AND (tkProduct = @Device.tkProduct) = 0) THEN throw exception
Error Message:	AutoAnswer is not valid for this Directory Number because it is not associated with a device that supports the AutoAnswer feature.
Remedy:	Set AutoAnswer to Off or associated the DN with a device that supports AutoAnswer and try again.

Rule (RI-97):

Type:	Validation (Insert/Update)
Rule Name:	NumPlan Uniqueness
Description:	DN by itself is not unique. Uniqueness for records in the NumPlan table is determined by a combination of the DNOrPattern and Partition, with the exception of Route Patterns and Translation Patterns, which may be further defined by Dial Plan and Route Filter. A Route Pattern or Translation Pattern cannot have the same DNOrPattern and Partition as any other type of pattern even if the Dial Plan, Route Filter or both are different.
Test Condition:	?

Rule (RI-262):	Type:	Active (Delete)
	Rule Name:	BeforeDelNumPlan
	Description:	Before deleting from NumPlan delete the corresponding record from PickupGroup table
	Test Condition:	?
	Error Message:	?
	Remedy:	?
Rule (RI-265):	Type:	Active (Insert/Update)
	Rule Name:	Set IsCallable for pattern_device
	Description:	When (tkPatternUsage == PATTERN_DEVICE_TEMPLATE) then isCallable column in NumPlan should be set to false
	Test Condition:	?
	Error Message:	Set IsCallable for pattern_device_template failed
	Remedy:	?
Rule (RI-279):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	numplan versionstamp
	Description:	on change to anything in numplan table, update device versionstamp
	Test Condition:	update device
Rule (RI-286):	Type:	Active (Insert)
	Rule Name:	numplan dynamic
	Description:	on insert of numplan, insert the numplandynamic record
	Test Condition:	insert numplan

Rule (RI-355):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Retrieval Code record not user modifiable
	Description:	If a NumPlan record is the Retrieval Code for a Directed Call Park, it is not user modifiable. DBMon manages those records
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = PATTERN_USAGE_DIRECTED_CALL_PARK) AND (USER = 'dbuser') THEN throw exception; END IF; -- need to skip on UPDATE if there are no changes
	Error Message:	The retrieval code record for Directed Call Park cannot be edited directly
	Remedy:	Make changes to the Park Code
Rule (RI-357):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Insert NumPlanDCPSyn for sync of DirectedCallPark Code and Retrieval Code
	Description:	If a record is inserted, updated or deleted in NumPlan table with a pattern usage of 12 (Directed Call Park) and empty ikNumPlan_ParkCode, insert a record into NumPlanDCPSyn table. DBMon checks for records in NumPlanDCPSyn table and takes necessary action to insert, update or delete the corresponding retrieval code record for the Directed Call Park.
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = 12) AND (ikNumPlan_ParkCode IS NULL) THEN Insert INTO NumPlanDCPSyn
Rule (RI-375):	Type:	Active (Insert)
	Rule Name:	Insert Dynamic Records for CallForward
	Description:	When a NumPlan record for a DN or Line Template is inserted, insert a corrsponding record for dynamic Call Forward settings
	Test Condition:	ON INSERT INTO NumPlan: IF (new_tkPatternUsage IN (2,11)) THEN INSERT INTO CallForwardDynamic (fkNumplan) values (new_pkid) END IF;
Rule (RI-705):	Type:	Validation (Insert/Update)
	Rule Name:	IPv6 Pattern Uniqueness
	Description:	IPv6 Pattern should be unique in the same partition
	Test Condition:	Test condition is to check if there is already a same IPV6 pattern in the same partion
	Error Message:	Cannot have duplicate IPv6 patterns

Rule (RI-768):	Type:	Validation (Update)
	Rule Name:	BLF Directed CallPark number must be a Directed Call Park destination
	Description:	The NumPlan item referenced in BLFDirectedCallPark table must be a diable Directed Call Park pattern. The pattern must contain only dialable digits (0-9, * and #) and may not contain wildcards (X) or expressions with brackets.
	Test Condition:	ON INSERT/UPDATE in BLFDirectedCallPark: DNOrPattern should contain ^[0-9*#+]
	Error Message:	The BLF Directed Call Park number must be a dialable Directed Call Park Destination
	Remedy:	Make sure the Destination is a dialable Directed Call Park number and try again.

2.3.153.94 prefixdigitsout (FI-190)

Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL
Validation:	^[0-9*#+]{0,50}$
Migration Source:	PrefixDigitsOut
Remarks:	A transform - this is a mask pattern

Rule (RFI-51):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,12,14,15,20)
	Constraint:	PrefixDigitsOut IS NULL
	Null Allowed:	null
	Remarks:	PrefixDigitsOut is set only for Route and Translation Patterns
Rule (RI-353):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Reversion Number must be available
	Description:	The number created by combining the Park Code and Reversion Prefix must not already exist in the same partition as the Park Code. For example if the Park Code is 222 in PartitionX and the Reversion Prefix is 8, there cannot already be a pattern of any type in PartitionX with a pattern of 8222. On Update if neither the Park Code nor the prefix has been changed, skip this check.

	Test Condition:	ON INSERT/UPDATE in NumPlan: IF (new_tkPatternUsage = PATTERN_USAGE_DIRECTED_CALL_PARK) AND (new_ikNumPlan_ParkCode IS NULL) THEN SELECT count(*) INTO nRows FROM NumPlan WHERE fkRoutePartition = new_fkRoutePartition AND dnOrPattern = (new_PrefixDigitsOut || new_dnOrPattern); IF (nRows > 0) THEN throw exception; END IF; END IF
	Error Message:	The retrieval code (Prefix + Park Code) already exists.
	Remedy:	Change the Park Code or the Retrieval Prefix
Rule (RI-355):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Retrieval Code record not user modifiable
	Description:	If a NumPlan record is the Retrieval Code for a Directed Call Park, it is not user modifiable. DBMon manages those records
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = PATTERN_USAGE_DIRECTED_CALL_PARK) AND (USER = 'dbuser') THEN throw exception; END IF; -- need to skip on UPDATE if there are no changes
	Error Message:	The retrieval code record for Directed Call Park cannot be edited directly
	Remedy:	Make changes to the Park Code
Rule (RI-357):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Insert NumPlanDCPSyn for sync of DirectedCallPark Code and Retrieval Code
	Description:	If a record is inserted, updated or deleted in NumPlan table with a pattern usage of 12 (Directed Call Park) and empty ikNumPlan_ParkCode, insert a record into NumPlanDCPSyn table. DBMon checks for records in NumPlanDCPSyn table and takes necessary action to insert, update or delete the corresponding retrieval code record for the Directed Call Park.
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = 12) AND (ikNumPlan_ParkCode IS NULL) THEN Insert INTO NumPlanDCPSyn
Rule (RI-371):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Code and Prefix max length 24 digits each
	Description:	The max length for both the Park Code and Retrieval Prefix is 24 digits. The resulting retrieval code can therefore be up to 48 digits
	Test Condition:	ON INSERT/UPDATE IN NumPlan: IF (new_tkPatternUsage = 12) AND ((LENGTH (new_DnOrPattern) > 24) OR (LENGTH(new_PrefixDigitsOut) > 24)) THEN throw exception
	Error Message:	Park Code and Retrieval Prefix are each limited to 24 digits.
	Remedy:	Reduce the length of the Park Code and/or Retrieval Prefix and try again.

2.3.153.95 resettoggle (FI-3078)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset
Rule (RI-279):	

Type:	Active (Insert/Update/Delete records)
Rule Name:	numplan versionstamp
Description:	on change to anything in numplan table, update device versionstamp
Test Condition:	update device

2.3.153.96 revertdestination (FI-3210)

Type:	string [50] (Null OK)
Default Value:	NULL
Validation:	^[0-9*#+]{0,50}$
Remarks:	Revert destination when direct call park timeout expired
Rule (RI-355):	

Type:	Validation (Insert/Update)
Rule Name:	Directed Call Park Retrieval Code record not user modifiable
Description:	If a NumPlan record is the Retrieval Code for a Directed Call Park, it is not user modifiable. DBMon manages those records
Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = PATTERN_USAGE_DIRECTED_CALL_PARK) AND (USER = 'dbuser') THEN throw exception; END IF; -- need to skip on UPDATE if there are no changes
Error Message:	The retrieval code record for Directed Call Park cannot be edited directly
Remedy:	Make changes to the Park Code

Rule (RI-357):

Type:	Active (Insert/Update/Delete records)
Rule Name:	Insert NumPlanDCPSyn for sync of DirectedCallPark Code and Retrieval Code
Description:	If a record is inserted, updated or deleted in NumPlan table with a pattern usage of 12 (Directed Call Park) and empty ikNumPlan_ParkCode, insert a record into NumPlanDCPSyn table. DBMon checks for records in NumPlanDCPSyn table and takes necessary action to insert, update or delete the corresponding retrieval code record for the Directed Call Park.
Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = 12) AND (ikNumPlan_ParkCode IS NULL) THEN Insert INTO NumPlanDCPSyn

2.3.153.97 supportoverlapsending (FI-1347)

Type:	bool
Default Value:	FALSE
Rule (RFI-52):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage != 5 AND tkPatternUsage != 7 Constraint: SupportOverlapSending = 'f' Remarks: SupportOverlapSending is set only for Route Patterns

2.3.153.98 tkautoanswer (FI-902)

Type:	enum
Default Value:	0
Migration Source:	AutoAnswerFlag
Remarks:	auto answer enabled
Rule (RFI-53):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage != 2 AND tkPatternUsage != 11 AND tkPatternUsage != 13 AND tkPatternUsage !=19 Constraint: tkAutoAnswer = 0 Remarks: AutoAnswer is OFF only for Directory Numbers
Rule (RI-84):	Type: Active (Insert/Update/Delete records) This field is modified by this rule. Rule Name: AutoAnswer Off for Shared Line Description: If the number of devices (not including Extension Mobility Device Profiles) associated with a DN is greater than 1, the AutoAnswer setting must be OFF (0). Test Condition: ?

Rule (RI-96):	Type:	Validation (Insert/Update)
	Rule Name:	AutoAnswer Device Support
	Description:	The AutoAnswer setting for a DN can only be on when the DN is associated with a Device (or Device Profile) type that supports the Auto Answer feature.
	Test Condition:	IF (NumPlan.tkAutoAnswer != 0) AND (SELECT COUNT (*) FROM ProductSupportsFeature WHERE (tkSupportsFeature = 7) AND (tkProduct = @Device.tkProduct) = 0) THEN throw exception
	Error Message:	AutoAnswer is not valid for this Directory Number because it is not associated with a device that supports the AutoAnswer feature.
	Remedy:	Set AutoAnswer to Off or associated the DN with a device that supports AutoAnswer and try again.
Rule (RI-414):	Type:	Validation (Insert/Update)
	Rule Name:	Intercom DN with intercom compatible autoanswer type
	Description:	on insert/update intercom DN autoanswer type needs to be intercom compatible
	Test Condition:	ON INSERT/Update of DN: IF (tkPatternUsage = 13) THEN IF (tkAutoAnswer NOT IN (SELECT Enum from TypeAutoAnswer WHERE isIntercomCompatible = 1) THEN throw exception

2.3.153.99 tkcfacssactivationpolicy (FI-3461)

Type:	enum
Default Value:	0
Remarks:	CFA CSS Activation Policy

2.3.153.100 tkdevicesecuritymode_minimumallowed (FI-3259)

Type:	enum (Null OK)	
Default Value:	NULL	
Remarks:	Level of security required for a Conference initiated on a Meet-Me pattern; not used for other pattern types	
Rule (RFI-143):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 1
	Constraint:	(tkDeviceSecurityMode_MinimumAllowed IS NOT NULL)
	Remarks:	Minimum Security Mode must be set for Meet-Me Conference Patterns

Rule (RFI-144):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage <> 1
	Constraint:	(tkDeviceSecurityMode_MinimumAllowed IS NULL)
	Remarks:	Minimum Security Mode can only be set for Meet-Me Conference Patterns

2.3.153.101 tkmixer (FI-192)

Type:	enum (Null OK)
Default Value:	NULL
Migration Source:	if (merged from MeetMeConference) MeetMeConference.MixerType
Remarks:	used only if tkPatternUsage is MeetMe. Unicast/Multicast

Rule (RFI-55):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 1
	Constraint:	tkMixer IS NULL
	Null Allowed:	null
	Remarks:	Mixer is set only for Conference Numbers

2.3.153.102 tknetworklocation (FI-188)

Type:	enum
Default Value:	0
Migration Source:	NetworkLocation

Rule (RFI-56):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,14,15,20)
	Constraint:	tkNetworkLocation = 0
	Remarks:	Only Route or Translation Pattern can be off-net

2.3.153.103 tknumberingplan_called (FI-3510)

Type:	enum
Default Value:	0
Remarks:	Values are based on TypeNumberingPlan

Rule (RFI-172):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,20)
	Constraint:	tkNumberingPlan_Called = 0
	Null Allowed:	null
	Remarks:	Non-default values for tkNumberingPlan_Called are allowed for Route patterns, Translation patterns, Called Party Transformations and Hunt pilots

2.3.153.104 tknumberingplan_calling (FI-3523)

Type:	enum
Default Value:	0
Remarks:	Values based on TypeNumberingPlan

Rule (RFI-174):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,15)
	Constraint:	tkNumberingPlan_Calling = 0
	Null Allowed:	null
	Remarks:	Non-default values for tkNumberingPlan_Calling are allowed for Route patterns, Translation patterns, Calling Party Transformations and Hunt pilots

2.3.153.105 tkpatternprecedence (FI-1338)

Type:	enum
Default Value:	5

Rule (RFI-57):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,14,15,20)
	Constraint:	tkPatternPrecedence = 5
	Remarks:	MLPP Pattern Precedence can be other than Default only for Route Patterns, Translation Patterns, and Hunt Pilots

2.3.153.106 tkpatternusage (FI-180)

Type:	enum (Not Modifiable)
Migration Source:	if (merged from CallPark) CallPark; if (merged from MeetMeConference) MeetMe
Remarks:	{CallPark uses pattern, MeetMe uses DN, Device uses DNOrPattern, Translation uses pattern, PickupGroup uses DN}

Rule (RI-96):	Type:	Validation (Insert/Update)
	Rule Name:	AutoAnswer Device Support
	Description:	The AutoAnswer setting for a DN can only be on when the DN is associated with a Device (or Device Profile) type that supports the Auto Answer feature.
	Test Condition:	IF (NumPlan.tkAutoAnswer != 0) AND (SELECT COUNT (*) FROM ProductSupportsFeature WHERE (tkSupportsFeature = 7) AND (tkProduct = @Device.tkProduct) = 0) THEN throw exception
	Error Message:	AutoAnswer is not valid for this Directory Number because it is not associated with a device that supports the AutoAnswer feature.
	Remedy:	Set AutoAnswer to Off or associated the DN with a device that supports AutoAnswer and try again.
Rule (RI-120):	Type:	Validation (Insert/Update)
	Rule Name:	DNOrPattern Characters and Digits
	Description:	While the maximum number of digits for any destination (called number) in Cisco CallManager is 24 digits, the length of an entry in the NumPlan DNOrPattern field may contain up to 50 characters. This is necessary to allow for patterns that contain expressions where several characters are used to define a set or range of acceptable values for a particular digit. DNs and Patterns cannot contain more than 24 dialed digits once expressions are taken into account and reduced to a single digit.
	Test Condition:	NumPlan.dNOrPattern with wildcards and expressions collapsed to single character may not contain more than 24 digits
Rule (RI-238):	Type:	Active (Insert/Update)
	Rule Name:	doBeforeNumPlanInsOrUpd
	Description:	Before Insert/Update logic from NumPlan table
	Test Condition:	?
	Error Message:	?
	Remedy:	?

Rule (RI-265):	Type:	Active (Insert/Update)
	Rule Name:	Set IsCallable for pattern_device
	Description:	When (tkPatternUsage == PATTERN_DEVICE_TEMPLATE) then isCallable column in NumPlan should be set to false
	Test Condition:	?
	Error Message:	Set IsCallable for pattern_device_template failed
	Remedy:	?
Rule (RI-292):	Type:	Validation (Insert/Update)
	Rule Name:	SIP DomainName
	Description:	Verify SIP hostname is conforming
	Test Condition:	I/U where patternusage is 9
	Error Message:	Hostname does not conform to accepted standard
Rule (RI-293):	Type:	Validation (Insert/Update)
	Rule Name:	SIP CIDR IP
	Description:	Verify SIP CIDR IP is conforming
	Test Condition:	I/U where patternusage is 10
	Error Message:	IP address does not conform to accepted standard
Rule (RI-294):	Type:	Active (Insert/Update)
	Rule Name:	Lcase DnOrPatter
	Description:	Change DnOrPattern to lcase if patternusage = 9,10
	Test Condition:	I/U where patternusage = 9,10
Rule (RI-296):	Type:	Active (Insert/Update)
	Rule Name:	NumPlan Pattern 3,5,7
	Description:	Verify Translation, Hunt, and Route patterns
	Test Condition:	I/U where pattern usage = 3,5,7
	Error Message:	DNOrPattern does not conform to specification

Rule (RI-299):	Type:	Active (Insert/Update)
	Rule Name:	NumPlan Pattern 0
	Description:	Verify CallPark pattern
	Test Condition:	I/U where pattern = 0
	Error Message:	DNOrPattern does not conform to specification
Rule (RI-304):	Type:	Active (Insert/Update)
	Rule Name:	NumPlan Pattern 1,2,6
	Description:	Verify Conference, Device, MsgWaiting
	Test Condition:	I/U where pattern = 1,2,6
	Error Message:	DnOrPattern does not conform to specification
Rule (RI-353):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Reversion Number must be available
	Description:	The number created by combining the Park Code and Reversion Prefix must not already exist in the same partition as the Park Code. For example if the Park Code is 222 in PartitionX and the Reversion Prefix is 8, there cannot already be a pattern of any type in PartitionX with a pattern of 8222. On Update if neither the Park Code nor the prefix has been changed, skip this check.
	Test Condition:	ON INSERT/UPDATE in NumPlan: IF (new_tkPatternUsage = PATTERN_USAGE_DIRECTED_CALL_PARK) AND (new_ikNumPlan_ParkCode IS NULL) THEN SELECT count(*) INTO nRows FROM NumPlan WHERE fkRoutePartition = new_fkRoutePartition AND dnOrPattern = (new_PrefixDigitsOut || new_dnOrPattern); IF (nRows > 0) THEN throw exception; END IF; END IF
	Error Message:	The retrieval code (Prefix + Park Code) already exists.
	Remedy:	Change the Park Code or the Retrieval Prefix

Rule (RI-355):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Retrieval Code record not user modifiable
	Description:	If a NumPlan record is the Retrieval Code for a Directed Call Park, it is not user modifiable. DBMon manages those records
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = PATTERN_USAGE_DIRECTED_CALL_PARK) AND (USER = 'dbuser') THEN throw exception; END IF; -- need to skip on UPDATE if there are no changes
	Error Message:	The retrieval code record for Directed Call Park cannot be edited directly
	Remedy:	Make changes to the Park Code
Rule (RI-357):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Insert NumPlanDCPSyn for sync of DirectedCallPark Code and Retrieval Code
	Description:	If a record is inserted, updated or deleted in NumPlan table with a pattern usage of 12 (Directed Call Park) and empty ikNumPlan_ParkCode, insert a record into NumPlanDCPSyn table. DBMon checks for records in NumPlanDCPSyn table and takes necessary action to insert, update or delete the corresponding retrieval code record for the Directed Call Park.
	Test Condition:	ON INSERT/UPDATE/DELETE in NumPlan: IF (tkPatternUsage = 12) AND (ikNumPlan_ParkCode IS NULL) THEN Insert INTO NumPlanDCPSyn
Rule (RI-368):	Type:	Validation (Insert/Update)
	Rule Name:	Intercom Line or Translation must have an Intercom Partition
	Description:	For Intercom line or translation pattern an Intercom Partition is required (cannot be null, must be tkPartitionUsage = Intercom)
	Test Condition:	ON INSERT/UPDATE IN NumPlan: IF (new_tkPatternUsage = PATTERN_USAGE_INTERCOM) AND ((new_fkRoutePartition IS NULL) OR (SELECT tkPartitionUsage FROM RoutePartition WHERE pkid = new_fkRoutePartition <> PARTITION_USAGE_INTERCOM) THEN throw exception
	Error Message:	Intercom line must have an Intercom Partition
	Remedy:	Assign an Intercom Partition and try again.

Rule (RI-369):	Type:	Validation (Insert/Update)
	Rule Name:	Intercom Line must have an Intercom Calling Search Space
	Description:	For Intercom line an Intercom CSS is required (cannot be null, must be tkPartitionUsage = Intercom)
	Test Condition:	ON INSERT/UPDATE IN NumPlan: IF (new_tkPatternUsage = PATTERN_USAGE_INTERCOM) AND ((new_fkCallingSearchSpace IS NULL) OR (SELECT tkPartitionUsage FROM CallingSearchSpace WHERE pkid = new_fkCallingSearchSpace <> PARTITION_USAGE_INTERCOM) THEN throw exception
	Error Message:	Intercom line must have an Intercom Calling Search Space
	Remedy:	Assign an Intercom CSS and try again.
Rule (RI-370):	Type:	Validation (Insert/Update)
	Rule Name:	Intercom Translation Pattern must have an Intercom CSS
	Description:	The max length for both the Park Code and Retrieval Prefix is 24 digits. The resulting retrieval code can therefore be up to 48 digits
	Test Condition:	ON INSERT/UPDATE IN NumPlan: SELECT tkpartitionusage INTO CSSrpUsage FROM callingsearchspace WHERE pkid = new_fkCallingSearchSpace_Translation; IF (CSSrpUsage IS NOT NULL) THEN IF (new_tkPatternUsage = 14)) THEN IF (CSSrpUsage <> 13) THEN LET theMoniker = 'NP_NOT_INTERCOM_CSS'; execute procedure DBErrorHandler(theMoniker); END IF ELSE IF (CSSrpUsage = 13) THEN LET theMoniker = 'NP_INTERCOM_CSS_NOT_ALLOWED'; execute procedure DBErrorHandler(theMoniker); END IF; END IF;
	Error Message:	Intercom translation pattern must have an Intercom Calling Search Space
	Remedy:	Assign an Intercom CSS and try again.
Rule (RI-371):	Type:	Validation (Insert/Update)
	Rule Name:	Directed Call Park Code and Prefix max length 24 digits each
	Description:	The max length for both the Park Code and Retrieval Prefix is 24 digits. The resulting retrieval code can therefore be up to 48 digits
	Test Condition:	ON INSERT/UPDATE IN NumPlan: IF (new_tkPatternUsage = 12) AND ((LENGTH (new_DnOrPattern) > 24) OR (LENGTH(new_PrefixDigitsOut) > 24)) THEN throw exception
	Error Message:	Park Code and Retrieval Prefix are each limited to 24 digits.
	Remedy:	Reduce the length of the Park Code and/or Retrieval Prefix and try again.

Rule (RI-375):	Type:	Active (Insert)
	Rule Name:	Insert Dynamic Records for CallForward
	Description:	When a NumPlan record for a DN or Line Template is inserted, insert a corrsponding record for dynamic Call Forward settings
	Test Condition:	ON INSERT INTO NumPlan: IF (new_tkPatternUsage IN (2,11)) THEN INSERT INTO CallForwardDynamic (fkNumplan) values (new_pkid) END IF;
Rule (RI-393):	Type:	Validation (Insert/Update)
	Rule Name:	Only one instance of Mobility Patterns for Handoff, DTMF, IVR
	Description:	There can be no more than one NumPlan record for each of the Mobility Pattern Types (Handoff, DTMF and IVR).
	Test Condition:	ON INSERT/UPDATE INTO NumPlan: IF (new_tkPatternUsage IN (16,17,18)) THEN IF (SELECT COUNT(*) FROM NumPlan WHERE tkPatternUsage = new_tkPatternUsage) > 1 THEN throw exception; END IF; END IF;
	Error Message:	Only one Mobility number each for Handoff, DTMF and IVR is allowed.
	Remedy:	Update the previous defined Mobility number for the specified feature.
Rule (RI-414):	Type:	Validation (Insert/Update)
	Rule Name:	Intercom DN with intercom compatible autoanswer type
	Description:	on insert/update intercom DN autoanswer type needs to be intercom compatible
	Test Condition:	ON INSERT/Update of DN: IF (tkPatternUsage = 13) THEN IF (tkAutoAnswer NOT IN (SELECT Enum from TypeAutoAnswer WHERE isIntercomCompatible = 1) THEN throw exception
Rule (RI-705):	Type:	Validation (Insert/Update)
	Rule Name:	IPv6 Pattern Uniqueness
	Description:	IPv6 Pattern should be unique in the same partition
	Test Condition:	Test condition is to check if there is already a same IPV6 pattern in the same partion
	Error Message:	Cannot have duplicate IPv6 patterns

Rule (RI-768):	Type:	Validation (Update)
	Rule Name:	BLF Directed CallPark number must be a Directed Call Park destination
	Description:	The NumPlan item referenced in BLFDirectedCallPark table must be a diable Directed Call Park pattern. The pattern must contain only dialable digits (0-9, * and #) and may not contain wildcards (X) or expressions with brackets.
	Test Condition:	ON INSERT/UPDATE in BLFDirectedCallPark: DNOrPattern should contain ^[0-9*#+]
	Error Message:	The BLF Directed Call Park number must be a dialable Directed Call Park Destination
	Remedy:	Make sure the Destination is a dialable Directed Call Park number and try again.

2.3.153.107 tkpresentationbit_callingline (FI-1346)

Type:	enum
Default Value:	0
Migration Source:	tkPresentationBit

Rule (RFI-58):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,9,10,14,15,20)
	Constraint:	tkPresentationBit_CallingLine = 0
	Remarks:	PresentationBit_CallingLine is Default only for Route and Translation Patterns

2.3.153.108 tkpresentationbit_callingname (FI-1344)

Type:	enum
Default Value:	0

Rule (RFI-59):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,9,10,14,15,20)
	Constraint:	tkPresentationBit_CallingName = 0
	Remarks:	PresentationBit_CallingName is Default only for Route and Translation Patterns

2.3.153.109 tkpresentationbit_connectedline (FI-1343)

Type:	enum
Default Value:	0

Rule (RFI-60):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,9,10,14,15,20)
	Constraint:	tkPresentationBit_ConnectedLine = 0
	Remarks:	PresentationBit_ConnectedLine is Default only for Route and Translation Patterns

2.3.153.110 tkpresentationbit_connectedname (FI-1345)

Type:	enum
Default Value:	0

Rule (RFI-61):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,9,10,14,15,20)
	Constraint:	tkPresentationBit_ConnectedName =0
	Remarks:	PresentationBit_ConnectedName is Default only for Route and Translation Patterns

2.3.153.111 tkpriofnumber_called (FI-3511)

Type:	enum
Default Value:	0
Remarks:	Values are based on TypePriOfNumber

Rule (RFI-171):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,20)
	Constraint:	tkPriOfNumber_Called = 0
	Null Allowed:	null
	Remarks:	Non-default values for tkPriOfNumber_Called are allowed only for Route patterns, Translation patterns, Called Party Transformations and Hunt pilots

2.3.153.112 tkpriofnumber_calling (FI-3522)

Type:	enum
Default Value:	0
Remarks:	Values based on TypePriOfNumber

Rule (RFI-173):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,15)
	Constraint:	tkPriOfNumber_Calling = 0
	Null Allowed:	null
	Remarks:	Non-default values for tkPriOfNumber_Calling are allowed only for Route patterns, Translation patterns, Calling Party Transformations and Hunt pilots

2.3.153.113 tkreleasecausevalue (FI-1341)

Type:	enum	
Default Value:	0	
Rule (RFI-62):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,14,15,20)
	Constraint:	tkReleaseCauseValue = 0
	Remarks:	ReleaseCauseValue is No Error only for Route and Translation Patterns

2.3.153.114 tkreset (FI-3079)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.153.115 tkstatus_partyentrancetone (FI-3703)

Type:	enum	
Default Value:	2	
Remarks:	Determines whether entrance tone is played for cBarge, Barge, and Conference entrance/exit.	
Rule (RFI-211):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (2,11)
	Constraint:	(tkStatus_PartyEntranceTone = 2)
	Remarks:	Party Entrace Tone is configurable only for Device (DN) and Device Template (BAT DN) patterns

2.3.153.116 tkstatus_usefullyqualcallingpartynum (FI-632)

Type:	enum

Default Value:	2	
Rule (RFI-3):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage NOT IN (3,5,7,9,10,14,15,20)
	Constraint:	tkStatus_useFullyQualCallingPartyNum = 2
	Remarks:	Must use default for non-route/translation patterns

2.3.153.117 userholdmohaudiosourceid (FI-870)

Type:	long (Null OK)	
Default Value:	NULL	
Rule (RFI-63):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 11
	Constraint:	UserHoldMOHAudioSourceID IS NULL
	Null Allowed:	null
	Remarks:	UserHoldMOHAudioSourceID is required only for Directory Numbers

2.3.153.118 withtag (FI-1178)

Type:	string [50]
Default Value:	EMPTY
Remarks:	// update NSF element table if (SUCCEEDED(hr) && pnsfIEListDeletes && (pnsfIEListDeletes->GetRecordCount () >0)) hr = DeleteNSFInformationElement(connectionInfo, errorInfo, pnsfIEListDeletes); if (SUCCEEDED(hr) && pnsfIEList && (pnsfIEList->GetRecordCount() > 0)) hr = BlastUpdateNSFInformationElement (connectionInfo, errorInfo, pnsfIEList); //Build and update withTag and withValueClause for numplan if (SUCCEEDED(hr) && ((pnsfIEList && (pnsfIEList->GetRecordCount() >0)) || (pnsfIEListDeletes &&(pnsfIEListDeletes->GetRecordCount() >0)))) { _bstr_t clause; _bstr_t tag; trace. tracef(SDI_LEVEL_ARBITRARY, "Start to build Tag and Clause"); pRS->MoveFirst(); _bstr_t numplanID = pRS->GetFields()->GetItem("pkid")->GetValue().bstrVal; trace.tracef(SDI_LEVEL_ARBITRARY, "NumPlan ID is: [%s]", numplanID); hr = CNumPlanRulesWorker::BuildWithTagAndClause(pConnection, numplanID, tag, clause); trace.tracef(SDI_LEVEL_ARBITRARY, "Built Tag is: [%s]---Built Clause is: [%s]", tag, clause); if (SUCCEEDED(hr)) hr = hr = CNumPlanRulesWorker::UpdateWithTagAndClause(pConnection, numplanID, tag, clause); }

	Rule (RFI-64):	Type:	Inter-field Condition and Constraint
		Test Condition:	tkPatternUsage != 3 AND tkPatternUsage != 5
		Constraint:	char_length(withTag) = 0
		Null Allowed:	null
		Remarks:	withTag should be non-empty only for Route and Translation Patterns
	2.3.153.119 withvalueclause (FI-1179)		
	Type:	string [200]	
	Default Value:	EMPTY	
	Remarks:	// update NSF element table if (SUCCEEDED(hr) && pnsfIEListDeletes && (pnsfIEListDeletes->GetRecordCount () >0)) hr = DeleteNSFInformationElement(connectionInfo, errorInfo, pnsfIEListDeletes); if (SUCCEEDED(hr) && pnsfIEList && (pnsfIEList->GetRecordCount() > 0)) hr = BlastUpdateNSFInformationElement (connectionInfo, errorInfo, pnsfIEList); //Build and update withTag and withValueClause for numplan if (SUCCEEDED(hr) && ((pnsfIEList && (pnsfIEList->GetRecordCount() >0)) || (pnsfIEListDeletes &&(pnsfIEListDeletes->GetRecordCount() >0)))) { _bstr_t clause; _bstr_t tag; trace. tracef(SDI_LEVEL_ARBITRARY, "Start to build Tag and Clause"); pRS->MoveFirst(); _bstr_t numplanID = pRS->GetFields()->GetItem("pkid")->GetValue().bstrVal; trace.tracef(SDI_LEVEL_ARBITRARY, "NumPlan ID is: [%s]", numplanID); hr = CNumPlanRulesWorker::BuildWithTagAndClause(pConnection, numplanID, tag, clause); trace.tracef(SDI_LEVEL_ARBITRARY, "Built Tag is: [%s]---Built Clause is: [%s]", tag, clause); if (SUCCEEDED(hr)) hr = hr = CNumPlanRulesWorker::UpdateWithTagAndClause(pConnection, numplanID, tag, clause); }	
	Rule (RFI-65):	Type:	Inter-field Condition and Constraint
		Test Condition:	tkPatternUsage != 3 AND tkPatternUsage != 5
		Constraint:	char_length(withValueClause) = 0
		Null Allowed:	null
		Remarks:	withValueClause should be non-empty only for Route and Translation Patterns
Uniqueness:	dnorpattern + fkroutepartition + fkdialplan + fkroutefilter is unique. (MFI-67)		

Rules:	Rule (RI-97):	Type:	Validation (Insert/Update) Rule applied when record is inserted or updated.
		Rule Name:	NumPlan Uniqueness
		Description:	DN by itself is not unique. Uniqueness for records in the NumPlan table is determined by a combination of the DNOrPattern and Partition, with the exception of Route Patterns and Translation Patterns, which may be further defined by Dial Plan and Route Filter. A Route Pattern or Translation Pattern cannot have the same DNOrPattern and Partition as any other type of pattern even if the Dial Plan, Route Filter or both are different.
		Test Condition:	?
	Rule (RI-170):	Type:	Active (Insert/Update/Delete records) This table is modified by this rule.
		Rule Name:	DN Not Callable when removed from last Device
		Description:	If a DN is no longer used by any device, it is automatically marked not callable in the database. The Administrator may then manually mark the DN callable again so that forwarding is enabled for that DN.
		Test Condition:	ON DELETE FROM DeviceNumPlanMap IF ((SELECT COUNT(*) FROM DeviceNumPlanMap WHERE DeviceNumPlanMap.fkNumPlan = @fkNumPlan) = 0) THEN UPDATE NumPlan SET IsCallable = 0 WHERE pkid = @fkNumPlan
	Rule (RI-467):	Type:	Validation (Insert/Update) Rule applied when record is inserted or updated.
		Rule Name:	NumPlan.fkDevice_IntercomDefault should be a real device
		Description:	Default device for intercom to be a real device (not a profile) that supports the Intercom feature based on product and protocol (PSF enum = 71)
		Test Condition:	ON INSERT/UPDATE IN Numplan
		Error Message:	Default device for intercom must be a real device (not a profile) that supports the Intercom feature.
		Remedy:	Use a different device as default device.

2.3.154 numplanappservermap (TI-389)

Description:	Which App servers service which DN(s)

Fields:	**2.3.154.1 content (FI-2892)**
	Type: text (Null OK)
	2.3.154.2 fkappserver (FI-2891)
	Type: guid (Cascade Delete)
	2.3.154.3 fknumplan (FI-2890)
	Type: guid (Cascade Delete)
	2.3.154.4 pkid (FI-2889)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints

2.3.155 numplandcpsyn (TI-428)

Description:	stores the pkid for directed call park patterns in NumPlan table that need to be synchronized
Fields:	**2.3.155.1 parkcodeid (FI-3242)**
	Type: guid (Unique, Indexed)
	Remarks: The pkid of the Directed Call Park code that requires Retrieval code sync. Does not use foreign key to avoid problems when deleting Directed Call Park numbers.
	2.3.155.2 pkid (FI-3241)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Migration Source: Generated
	Remarks: Unique ID to identify a record.
	2.3.155.3 retrievalcodeid (FI-3243)
	Type: guid (Null OK)
	Default Value: NULL
	Remarks: The pkid of the Retrieval Code that needs sync with the Park Code. Null if Retrieval Code has not been created.
	2.3.155.4 seq (FI-3244)

	Type:	identity (Unique, Not Modifiable)
	Remarks:	Trigger set on insert
Uniqueness:	No multicolumn uniqueness constraints	

2.3.156 numplandynamic (TI-334)

Description:	Separate MWI from NumPlan		
Fields:	**2.3.156.1 datetimestamp (FI-3296)**		
	Type:	long	
	Default Value:	0	
	Rule (RI-400):	Type:	Active (Insert/Update)
		Rule Name:	Update the DateTimeStamp for Dynamic records
		Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
		Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
	Rule (RI-400):	Type:	Active (Insert/Update) This field is modified by this rule.
		Rule Name:	Update the DateTimeStamp for Dynamic records
		Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
		Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
	2.3.156.2 faxmessagecounts (FI-3734)		
	Type:	bool	
	Default Value:	FALSE	
	Remarks:	FaxMessageCounts	
	2.3.156.3 faxmessagecountsnew (FI-3735)		
	Type:	long	
	Default Value:	0	
	Check Constraint:	(FaxMessageCountsNew >= 0) AND (FaxMessageCountsNew <= 65535)	
	Remarks:	FaxMessageCountsNew	

2.3.156.4 faxmessagecountsold (FI-3736)

Type:	long
Default Value:	0
Check Constraint:	(FaxMessageCountsOld >= 0) AND (FaxMessageCountsOld <= 65535)
Remarks:	FaxMessageCountsOld

2.3.156.5 faxmessagecountsurgent (FI-3737)

Type:	bool
Default Value:	FALSE
Remarks:	FaxMessageCountsUrgent

2.3.156.6 faxmessagecountsurgentnew (FI-3738)

Type:	long
Default Value:	0
Check Constraint:	(FaxMessageCountsUrgentNew >= 0) AND (FaxMessageCountsUrgentNew <= 65535)
Remarks:	FaxMessageCountsUrgentNew

2.3.156.7 faxmessagecountsurgentold (FI-3739)

Type:	long
Default Value:	0
Check Constraint:	(FaxMessageCountsUrgentOld >= 0) AND (FaxMessageCountsUrgentOld <= 65535)
Remarks:	FaxMessageCountsUrgentOld

2.3.156.8 fknumplan (FI-2482)

Type:	guid (Unique, Cascade Delete)

2.3.156.9 pkid (FI-2479)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
Rule (RI-282):	Type: Active (Insert/Update) Rule Name: numplandynamic versionstamp Description: on change to anything in numplandynamic table, update device versionstamp Test Condition: update device

2.3.156.10 tklampblinkrate_messagewaiting (FI-2481)

Type:	enum
Default Value:	1
Migration Source:	FALSE
Remarks:	This line has a message waiting (lamp is on). Set only by CallManager.

2.3.156.11 voicemessagecounts (FI-3728)

Type:	bool
Default Value:	FALSE
Remarks:	VoiceMessageCounts

2.3.156.12 voicemessagecountsnew (FI-3729)

Type:	long
Default Value:	0
Check Constraint:	(VoiceMessageCountsNew >= 0) AND (VoiceMessageCountsNew <= 65535)
Remarks:	VoiceMessageCountsNew

2.3.156.13 voicemessagecountsold (FI-3730)

Type:	long
Default Value:	0
Check Constraint:	(VoiceMessageCountsOld >= 0) AND (VoiceMessageCountsOld <= 65535)
Remarks:	VoiceMessageCountsOld

2.3.156.14 voicemessagecountsurgent (FI-3731)

Type:	bool
Default Value:	FALSE
Remarks:	VoiceMessageCountsUrgent

2.3.156.15 voicemessagecountsurgentnew (FI-3732)

Type:	long
Default Value:	0
Check Constraint:	(VoiceMessageCountsUrgentNew >= 0) AND (VoiceMessageCountsUrgentNew <= 65535)
Remarks:	VoiceMessageCountsUrgentNew

2.3.156.16 voicemessagecountsurgentold (FI-3733)

	Type:	long
	Default Value:	0
	Check Constraint:	(VoiceMessageCountsUrgentOld >= 0) AND (VoiceMessageCountsUrgentOld <= 65535)
	Remarks:	VoiceMessageCountsUrgentOld
Uniqueness:	No multicolumn uniqueness constraints	

2.3.157 outboundappservercn (TI-390)

Description:	Custom CN for Apps that are not CN clients Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.157.1 pkid (FI-2960)**
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints

2.3.158 patternparametermap (TI-322)

Description:	Pattern Parameter Map
Fields:	**2.3.158.1 fkdialrulespatternmap (FI-2403)**
Type:	guid (Cascade Delete)
Remarks:	Pkid of DialRulesPatternMap record
Rule (RI-323):	

Type:	Validation (Insert/Update)
Rule Name:	SIP Dial Rule Pattern Validation
Description:	The allowed parameters and parameter values (characters) for patterns are dependent on the dial rule type. 7905/12 dial rules can only have patterns with characters including "a-zA-Z0-9*#,.|>^_-" (without quotes). 7960/40/Other dial rules can have patterns with characters including "a-zA-Z 0-9!|'':;/*.~$&%+<()@_=,>#^-", as well as Button, Timeout, and User parameters.
Test Condition:	ON INSERT/UPDATE IN PatternParameterMap
Error Message:	Dial Rule Parameter is not valid or value contains illegal characters for this type of dial rule.

	Remedy:	Check the Parameter to make sure it is compatible with the dial rule type and try again.

2.3.158.2 pkid (FI-2402)

Type:	guid (Unique, Indexed, Not Modifiable)	
Default Value:	newid()	
Remarks:	Unique ID to identify a record.	
Rule (RI-260):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	dialrules versionstamp
	Description:	on change to anything in dialrulespatternmap, patternparametermap, update versionstamp in dialrules table
	Test Condition:	update dialrules

2.3.158.3 selectionorder (FI-2405)

Type:	long (Null OK)
Default Value:	0

2.3.158.4 tkdialparameter (FI-2404)

Type:	enum	
Rule (RI-323):	Type:	Validation (Insert/Update)
	Rule Name:	SIP Dial Rule Pattern Validation
	Description:	The allowed parameters and parameter values (characters) for patterns are dependent on the dial rule type. 7905/12 dial rules can only have patterns with characters including "a-zA-Z0-9*#,.|>^_-" (without quotes). 7960/40/Other dial rules can have patterns with characters including "a-zA-Z 0-9!|":;/*.~$&%+<()@_=,>#^-", as well as Button, Timeout, and User parameters.
	Test Condition:	ON INSERT/UPDATE IN PatternParameterMap
	Error Message:	Dial Rule Parameter is not valid or value contains illegal characters for this type of dial rule.
	Remedy:	Check the Parameter to make sure it is compatible with the dial rule type and try again.

2.3.158.5 value (FI-2406)

Type:	string [50]
Default Value:	EMPTY

	Rule (RI-323):	Type:	Validation (Insert/Update)
		Rule Name:	SIP Dial Rule Pattern Validation
		Description:	The allowed parameters and parameter values (characters) for patterns are dependent on the dial rule type. 7905/12 dial rules can only have patterns with characters including "a-zA-Z0-9*#,.|>^_-" (without quotes). 7960/40/Other dial rules can have patterns with characters including "a-zA-Z 0-9!|":;/*.~$&%+<()@_=,>#^-", as well as Button, Timeout, and User parameters.
		Test Condition:	ON INSERT/UPDATE IN PatternParameterMap
		Error Message:	Dial Rule Parameter is not valid or value contains illegal characters for this type of dial rule.
		Remedy:	Check the Parameter to make sure it is compatible with the dial rule type and try again.
Uniqueness:	No multicolumn uniqueness constraints		

2.3.159 personaladdressbook (TI-245)

Description:	Users keep their contacts here for Personal Address Book/TabSync

Fields:

2.3.159.1 email (FI-1700)

Type:	string [255]
Default Value:	EMPTY
Validation:	^[0-9A-Za-z@_.-]{0,255}$

2.3.159.2 firstname (FI-1697)

Type:	string [50]
Default Value:	EMPTY

2.3.159.3 fkenduser (FI-1696)

Type:	guid (Cascade Delete)

2.3.159.4 lastname (FI-1698)

Type:	string [50]
Default Value:	EMPTY

2.3.159.5 nickname (FI-1701)

Type:	string [50]

	Rule (RI-701):	Type:	Validation (Insert/Update)
		Rule Name:	NickName in PersonalAddressBook cannot be NULL or an empty string
		Description:	NickName in PersonalAddressBook cannot be NULL or an empty string
		Test Condition:	On Insert or Update NickName
		Error Message:	NickName in PersonalAddressBook cannot be NULL or an empty string

2.3.159.6 pkid (FI-1695)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Uniqueness:	fkenduser + nickname is unique. (MFI-41)

Rules:	Rule (RI-203):	Type:	Validation (Insert/Update) Rule applied when record is inserted or updated.
		Rule Name:	Personal Phone Book Number Type Restriction
		Description:	A Personal Address Book entry can be associated with up to 3 Personal Phone Book entries - 1 each for Home, Work, and Mobile. However, the number of Raw Phone Book entries (number not associated with Address Book), is limited only by the number of available Fast Dial indices.
		Test Condition:	IF (@PersonalPhoneBook.tkPersonalPhoneNumber <> 31) THEN (SELECT INTO numRec COUNT(*) FROM PersonalPhoneBook WHERE (tkPersonalPhoneNumber = @PersonalPhoneBook.tkPersonalPhoneNumber) AND (fkPersonalAddressBook = @PersonalPhoneBook.fkPersonalAddressBook) IF (numRec > 1) THEN throw exception)
		Error Message:	Cannot have more than one number of each type (Home, Work, Mobile) associated with a Personal Address Book entry.
		Remedy:	Check the type of number and address book entry and try again. It may be necessary to create a second Address Book Entry with a different nickname to store multiple numbers (such as multiple work numbers) for a contact.

2.3.160 personalphonebook (TI-246)

Description:	Users keep their DNs here for Personal Address Book/TabSync

Fields:

2.3.160.1 fkenduser (FI-1703)

Type:	guid (Cascade Delete)	
Rule (RI-126):	Type:	Validation (Insert/Update)
	Rule Name:	Personal Phone Number End User
	Description:	The Personal Phone Book entries for a user must be either raw numbers or associated with an entry from that user's Personal Address Book. A phone book entry cannot reference another user's address book entry.
	Test Condition:	IF (@PersonalPhoneBook.fkPersonalAddressBook IS NOT NULL) AND (@PersonalPhoneBook.fkPersonalAddressBook NOT IN (SELECT pkid FROM PersonalAddressBook WHERE fkEndUser = @fkPersonalPhoneBook.fkEndUser) THEN throw exception
	Error Message:	The specified Address Book entry is not avaiable in the user's Personal Address Book.
	Remedy:	Select an entry from the current user's Personal Address Book to associated with this phone number.
Rule (RI-236):	Type:	Active (Insert)
	Rule Name:	doBeforeInsPersonalPhoneBookRules
	Description:	Before Insert logic from PersonalPhoneBookRules
	Test Condition:	?
	Error Message:	?
	Remedy:	?
Rule (RI-237):	Type:	Validation (Insert/Update)
	Rule Name:	Personal Fast Dials Index
	Description:	Personal Fast Dials index associated with a User's Personal Phone Book entry must be a unique number. If there is no Fast Dial associated with the Phone Book entry, the Fast Dial Index must be 0.
	Test Condition:	IF (PersonalPhoneBook.PersonalFastDialIndex != 0) AND (PersonalPhoneBook.PersonalFastDialIndex IN (SELECT PersonalFastDialIndex FROM PersonalPhoneBook WHERE (fkEndUser = @PersonalPhoneBook.fkEndUser) AND pkid != @PersonalPhoneBook.pkid) THEN throw exception
	Error Message:	The Fast Dial Index for this Phone Book entry is not unique
	Remedy:	Select a Fast Dial Index that is not already being used and try again.

2.3.160.2 fkpersonaladdressbook (FI-1704)

Type:	guid (Cascade Delete, Null OK)	
Rule (RFI-77):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPersonalPhoneNumber != 31
	Constraint:	fkPersonalAddressBook IS NOT NULL
	Null Allowed:	null
	Remarks:	Phone Number must be associated with Address Book
Rule (RFI-78):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPersonalPhoneNumber = 31
	Constraint:	fkPersonalAddressBook IS NULL
	Null Allowed:	null
	Remarks:	Raw Number cannot be associated with Address Book
Rule (RI-126):	Type:	Validation (Insert/Update)
	Rule Name:	Personal Phone Number End User
	Description:	The Personal Phone Book entries for a user must be either raw numbers or associated with an entry from that user's Personal Address Book. A phone book entry cannot reference another user's address book entry.
	Test Condition:	IF (@PersonalPhoneBook.fkPersonalAddressBook IS NOT NULL) AND (@PersonalPhoneBook.fkPersonalAddressBook NOT IN (SELECT pkid FROM PersonalAddressBook WHERE fkEndUser = @fkPersonalPhoneBook.fkEndUser) THEN throw exception
	Error Message:	The specified Address Book entry is not avaiable in the user's Personal Address Book.
	Remedy:	Select an entry from the current user's Personal Address Book to associated with this phone number.

Rule (RI-203):	Type:	Validation (Insert/Update)
	Rule Name:	Personal Phone Book Number Type Restriction
	Description:	A Personal Address Book entry can be associated with up to 3 Personal Phone Book entries - 1 each for Home, Work, and Mobile. However, the number of Raw Phone Book entries (number not associated with Address Book), is limited only by the number of available Fast Dial indices.
	Test Condition:	IF (@PersonalPhoneBook.tkPersonalPhoneNumber <> 31) THEN (SELECT INTO numRec COUNT(*) FROM PersonalPhoneBook WHERE (tkPersonalPhoneNumber = @PersonalPhoneBook.tkPersonalPhoneNumber) AND (fkPersonalAddressBook = @PersonalPhoneBook.fkPersonalAddressBook) IF (numRec > 1) THEN throw exception)
	Error Message:	Cannot have more than one number of each type (Home, Work, Mobile) associated with a Personal Address Book entry.
	Remedy:	Check the type of number and address book entry and try again. It may be necessary to create a second Address Book Entry with a different nickname to store multiple numbers (such as multiple work numbers) for a contact.

2.3.160.3 personalfastdialindex (FI-1779)

Type:	long
Default Value:	0
Check Constraint:	(personalFastDialIndex >= 0) AND (personalFastDialIndex <= 1000)

Rule (RI-236):	Type:	Active (Insert)
	Rule Name:	doBeforeInsPersonalPhoneBookRules
	Description:	Before Insert logic from PersonalPhoneBookRules
	Test Condition:	?
	Error Message:	?
	Remedy:	?

Rule (RI-237):	Type:	Validation (Insert/Update)
	Rule Name:	Personal Fast Dials Index
	Description:	Personal Fast Dials index associated with a User's Personal Phone Book entry must be a unique number. If there is no Fast Dial associated with the Phone Book entry, the Fast Dial Index must be 0.
	Test Condition:	IF (PersonalPhoneBook.PersonalFastDialIndex != 0) AND (PersonalPhoneBook.PersonalFastDialIndex IN (SELECT PersonalFastDialIndex FROM PersonalPhoneBook WHERE (fkEndUser = @PersonalPhoneBook.fkEndUser) AND pkid != @PersonalPhoneBook.pkid) THEN throw exception
	Error Message:	The Fast Dial Index for this Phone Book entry is not unique
	Remedy:	Select a Fast Dial Index that is not already being used and try again.

2.3.160.4 phonenumber (FI-1706)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[0-9 ()#*.+-]{0,50}$

2.3.160.5 pkid (FI-1702)

Type:	guid (Unique, Indexed, Not Modifiable)	
Default Value:	newid()	
Remarks:	Unique ID to identify a record.	
Rule (RI-236):	Type:	Active (Insert)
	Rule Name:	doBeforeInsPersonalPhoneBookRules
	Description:	Before Insert logic from PersonalPhoneBookRules
	Test Condition:	?
	Error Message:	?
	Remedy:	?

	Rule (RI-237):	Type:	Validation (Insert/Update)
		Rule Name:	Personal Fast Dials Index
		Description:	Personal Fast Dials index associated with a User's Personal Phone Book entry must be a unique number. If there is no Fast Dial associated with the Phone Book entry, the Fast Dial Index must be 0.
		Test Condition:	IF (PersonalPhoneBook.PersonalFastDialIndex != 0) AND (PersonalPhoneBook. PersonalFastDialIndex IN (SELECT PersonalFastDialIndex FROM PersonalPhoneBook WHERE (fkEndUser = @PersonalPhoneBook.fkEndUser) AND pkid != @PersonalPhoneBook.pkid) THEN throw exception
		Error Message:	The Fast Dial Index for this Phone Book entry is not unique
		Remedy:	Select a Fast Dial Index that is not already being used and try again.

2.3.160.6 tkpersonalphonenumber (FI-1705)

	Type:	enum	
	Rule (RI-203):	Type:	Validation (Insert/Update)
		Rule Name:	Personal Phone Book Number Type Restriction
		Description:	A Personal Address Book entry can be associated with up to 3 Personal Phone Book entries - 1 each for Home, Work, and Mobile. However, the number of Raw Phone Book entries (number not associated with Address Book), is limited only by the number of available Fast Dial indices.
		Test Condition:	IF (@PersonalPhoneBook.tkPersonalPhoneNumber <> 31) THEN (SELECT INTO numRec COUNT(*) FROM PersonalPhoneBook WHERE (tkPersonalPhoneNumber = @PersonalPhoneBook.tkPersonalPhoneNumber) AND (fkPersonalAddressBook = @PersonalPhoneBook.fkPersonalAddressBook) IF (numRec > 1) THEN throw exception)
		Error Message:	Cannot have more than one number of each type (Home, Work, Mobile) associated with a Personal Address Book entry.
		Remedy:	Check the type of number and address book entry and try again. It may be necessary to create a second Address Book Entry with a different nickname to store multiple numbers (such as multiple work numbers) for a contact.
Uniqueness:	No multicolumn uniqueness constraints		

2.3.161 phonebutton (TI-25)

Description:	Individual button specification for a phone button template Insert/Delete is not allowed.

Fields:

2.3.161.1 buttonnum (FI-251)

Type:	long
Migration Source:	ButtonNum

2.3.161.2 fkphonetemplate (FI-250)

Type:	guid (Indexed, Cascade Delete, Not Modifiable)
Migration Source:	indirect from PhoneTemplateID
Rule (RI-179):	

Type:	Validation (Insert/Update)
Rule Name:	Phone Button Feature Restriction
Description:	The features that may be assigned to user modifiable phone buttons are defined on a per model basis (ModelFeatureMap table).
Test Condition:	IF (@PhoneButton.tkFeature NOT IN (SELECT tkFeature FROM ModelFeatureMap WHERE tkModel = (SELECT DISTINCT tkModel FROM PhoneTemplate WHERE pkid = @PhoneButton.fkPhoneTemplate))) THEN throw exception
Error Message:	The specified feature is not available for this model.
Remedy:	Check the feature to make sure it is available on the type of device using the phone template and try again.

2.3.161.3 isfixedfeature (FI-1161)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Rule (RI-179):	

Type:	Validation (Insert/Update)
Rule Name:	Phone Button Feature Restriction
Description:	The features that may be assigned to user modifiable phone buttons are defined on a per model basis (ModelFeatureMap table).
Test Condition:	IF (@PhoneButton.tkFeature NOT IN (SELECT tkFeature FROM ModelFeatureMap WHERE tkModel = (SELECT DISTINCT tkModel FROM PhoneTemplate WHERE pkid = @PhoneButton.fkPhoneTemplate))) THEN throw exception
Error Message:	The specified feature is not available for this model.
Remedy:	Check the feature to make sure it is available on the type of device using the phone template and try again.

2.3.161.4 label (FI-253)

Type:	string [50]

Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,50}$
Migration Source:	Label

2.3.161.5 paramn1 (FI-254)

Type:	long (Null OK)
Default Value:	NULL
Migration Source:	ParamN1
Remarks:	optional parameter is feature dependant

2.3.161.6 paramn2 (FI-319)

Type:	long (Null OK)
Default Value:	NULL
Migration Source:	ParamN2
Rule (RFI-80):	Type: Inter-field Condition and Constraint Test Condition: IsFixedFeature = 't' Constraint: Restriction: Not Modifiable Remarks: Cannot change fixed feature button

2.3.161.7 paramt1 (FI-320)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,50}$
Migration Source:	ParamT1
Rule (RFI-81):	Type: Inter-field Condition and Constraint Test Condition: IsFixedFeature = 't' Constraint: Restriction: Not Modifiable Remarks: Cannot change fixed feature button

2.3.161.8 paramt2 (FI-321)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,50}$
Migration Source:	ParamT2
Rule (RFI-82):	Type: Inter-field Condition and Constraint Test Condition: IsFixedFeature = 't' Constraint: Restriction: Not Modifiable Remarks: Cannot change fixed feature button

2.3.161.9 pkid (FI-249)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
Rule (RI-276):	Type: Active (Insert/Update/Delete records) Rule Name: phonebutton versionstamp Description: on change to anything in phonebutton table, update device versionstamp Test Condition: update device

2.3.161.10 resettoggle (FI-3080)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset
Rule (RI-276):	Type: Active (Insert/Update/Delete records) Rule Name: phonebutton versionstamp Description: on change to anything in phonebutton table, update device versionstamp Test Condition: update device

2.3.161.11 tkfeature (FI-252)

Type:	enum

Migration Source:	Program	
Remarks:	was Program using TypeButton	
Rule (RFI-83):	Type:	Inter-field Condition and Constraint
	Test Condition:	IsFixedFeature = 't'
	Constraint:	
	Restriction:	Not Modifiable
	Remarks:	Cannot change fixed feature button
Rule (RI-179):	Type:	Validation (Insert/Update)
	Rule Name:	Phone Button Feature Restriction
	Description:	The features that may be assigned to user modifiable phone buttons are defined on a per model basis (ModelFeatureMap table).
	Test Condition:	IF (@PhoneButton.tkFeature NOT IN (SELECT tkFeature FROM ModelFeatureMap WHERE tkModel = (SELECT DISTINCT tkModel FROM PhoneTemplate WHERE pkid = @PhoneButton.fkPhoneTemplate))) THEN throw exception
	Error Message:	The specified feature is not available for this model.
	Remedy:	Check the feature to make sure it is available on the type of device using the phone template and try again.

2.3.161.12 tkreset (FI-3081)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

Uniqueness:	fkphonetemplate + buttonnum is unique. (MFI-9)

Rules:	Rule (RI-127):	Type:	Validation (Insert/Update) Rule applied when record is updated or deleted.
		Rule Name:	Phone Template Not Modifiable
		Description:	The Phone Buttons for a Standard Phone Templates are not modifiable
		Test Condition:	IF (SELECT UserModifiable FROM PhoneTemplate WHERE pkid = @PhoneButton.fkPhoneTemplate) = FALSE THEN throw exception
		Error Message:	Changes to the buttons for the specified template are not allowed.
		Remedy:	Create a copy of the template and make changes to the copy.

2.3.162 phonetemplate (TI-29)

Description: Name and description for button templates downloaded to phone devices and addon modules

Fields:

2.3.162.1 name (FI-259)

Type:	string [50] (Unique)
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{1,50}$
Migration Source:	Description
Remarks:	Unique name to identify the phone button template.

Rule (RFI-84):

Type:	Inter-field Condition and Constraint
Test Condition:	UserModifiable = 'f'
Constraint:	
Restriction:	Not Modifiable
Remarks:	Cannot change standard phone template

2.3.162.2 numofbuttons (FI-322)

Type:	long (Not Modifiable)
Check Constraint:	(NumOfButtons >= 0) AND (NumOfButtons <= 255)
Migration Source:	12 or 26. Based on PhoneType

Rule (RI-240):	Type:	Active (Insert/Update)
	Rule Name:	PhoneTemplate numOfButtons for new user template
	Description:	If a user creates a new (non-standard) PhoneTemplate (usermodifiable = false), then set the numOfButtons field to the maximum allowed as specified in TypeModel for the tkModel indicated by the new record.
	Test Condition:	(BEFORE TRIGGER) Before insert into PhoneTemplate, if NEW.usermodifiable = false, then using the NEW.tkModel, get the numButton value from TypeModel. It will contain comma-separated min, max values. Take the max value and assign to NEW.numOfButtons.
Rule (RI-240):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	PhoneTemplate numOfButtons for new user template
	Description:	If a user creates a new (non-standard) PhoneTemplate (usermodifiable = false), then set the numOfButtons field to the maximum allowed as specified in TypeModel for the tkModel indicated by the new record.
	Test Condition:	(BEFORE TRIGGER) Before insert into PhoneTemplate, if NEW.usermodifiable = false, then using the NEW.tkModel, get the numButton value from TypeModel. It will contain comma-separated min, max values. Take the max value and assign to NEW.numOfButtons.

2.3.162.3 pkid (FI-258)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

Rule (RI-239):	Type:	Active (Insert)
	Rule Name:	Phone Template Copy on Insert
	Description:	When a new Phone Template is inserted, DB automatically inserts into PhoneButton table a copy of all the PhoneButton records associated with the standard template for the model of the new template (standard template has same tkModel and is not UserModifiable); if necessary additional records are added to PhoneButton with tkFeature = FEATURE_NONE and isFixedFeature = False so that the total number of records (buttons) is equal to the max NumButtons from TypeModel
	Test Condition:	ON INSERT INTO PhoneTemplate

Rule (RI-324):	Type:	Active (Insert/Update)
	Rule Name:	phonetemplate versionstamp
	Description:	on change to anything in phonetemplate, update versionstamp in phonetemplate table
	Test Condition:	update phonetemplate

2.3.162.4 privatetemplate (FI-3014)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Template private to that particular device

2.3.162.5 resettoggle (FI-3146)

Type:	bool	
Default Value:	FALSE	
Remarks:	Should this device or group be reset	
Rule (RI-324):	Type:	Active (Insert/Update)
	Rule Name:	phonetemplate versionstamp
	Description:	on change to anything in phonetemplate, update versionstamp in phonetemplate table
	Test Condition:	update phonetemplate

2.3.162.6 tkdeviceprotocol (FI-2617)

Type:	enum	
Default Value:	0	
Rule (RI-239):	Type:	Active (Insert)
	Rule Name:	Phone Template Copy on Insert
	Description:	When a new Phone Template is inserted, DB automatically inserts into PhoneButton table a copy of all the PhoneButton records associated with the standard template for the model of the new template (standard template has same tkModel and is not UserModifiable); if necessary additional records are added to PhoneButton with tkFeature = FEATURE_NONE and isFixedFeature = False so that the total number of records (buttons) is equal to the max NumButtons from TypeModel
	Test Condition:	ON INSERT INTO PhoneTemplate

Rule (RI-240):	Type:	Active (Insert/Update)
	Rule Name:	PhoneTemplate numOfButtons for new user template
	Description:	If a user creates a new (non-standard) PhoneTemplate (usermodifiable = false), then set the numOfButtons field to the maximum allowed as specified in TypeModel for the tkModel indicated by the new record.
	Test Condition:	(BEFORE TRIGGER) Before insert into PhoneTemplate, if NEW.usermodifiable = false, then using the NEW.tkModel, get the numButton value from TypeModel. It will contain comma-separated min, max values. Take the max value and assign to NEW.numOfButtons.

2.3.162.7 tkmodel (FI-1890)

Type:	enum (Not Modifiable)
Migration Source:	phonetempleatemodelmap.tkModel
Remarks:	Phone model associated with phone template

Rule (RI-239):	Type:	Active (Insert)
	Rule Name:	Phone Template Copy on Insert
	Description:	When a new Phone Template is inserted, DB automatically inserts into PhoneButton table a copy of all the PhoneButton records associated with the standard template for the model of the new template (standard template has same tkModel and is not UserModifiable); if necessary additional records are added to PhoneButton with tkFeature = FEATURE_NONE and isFixedFeature = False so that the total number of records (buttons) is equal to the max NumButtons from TypeModel
	Test Condition:	ON INSERT INTO PhoneTemplate
Rule (RI-240):	Type:	Active (Insert/Update)
	Rule Name:	PhoneTemplate numOfButtons for new user template
	Description:	If a user creates a new (non-standard) PhoneTemplate (usermodifiable = false), then set the numOfButtons field to the maximum allowed as specified in TypeModel for the tkModel indicated by the new record.
	Test Condition:	(BEFORE TRIGGER) Before insert into PhoneTemplate, if NEW.usermodifiable = false, then using the NEW.tkModel, get the numButton value from TypeModel. It will contain comma-separated min, max values. Take the max value and assign to NEW.numOfButtons.

2.3.162.8 tkreset (FI-3147)

Type:	enum
Default Value:	2

Remarks:	Set by DeviceReset stored procedure.

2.3.162.9 usermodifiable (FI-323)

Type:	bool (Not Modifiable)
Default Value:	TRUE
Migration Source:	TRUE for custom templates

Rule (RI-127):		
	Type:	Validation (Insert/Update)
	Rule Name:	Phone Template Not Modifiable
	Description:	The Phone Buttons for a Standard Phone Templates are not modifiable
	Test Condition:	IF (SELECT UserModifiable FROM PhoneTemplate WHERE pkid = @PhoneButton. fkPhoneTemplate) = FALSE THEN throw exception
	Error Message:	Changes to the buttons for the specified template are not allowed.
	Remedy:	Create a copy of the template and make changes to the copy.

Rule (RI-239):		
	Type:	Active (Insert)
	Rule Name:	Phone Template Copy on Insert
	Description:	When a new Phone Template is inserted, DB automatically inserts into PhoneButton table a copy of all the PhoneButton records associated with the standard template for the model of the new template (standard template has same tkModel and is not UserModifiable); if necessary additional records are added to PhoneButton with tkFeature = FEATURE_NONE and isFixedFeature = False so that the total number of records (buttons) is equal to the max NumButtons from TypeModel
	Test Condition:	ON INSERT INTO PhoneTemplate

Rule (RI-240):		
	Type:	Active (Insert/Update)
	Rule Name:	PhoneTemplate numOfButtons for new user template
	Description:	If a user creates a new (non-standard) PhoneTemplate (usermodifiable = false), then set the numOfButtons field to the maximum allowed as specified in TypeModel for the tkModel indicated by the new record.
	Test Condition:	(BEFORE TRIGGER) Before insert into PhoneTemplate, if NEW.usermodifiable = false, then using the NEW.tkModel, get the numButton value from TypeModel. It will contain comma-separated min, max values. Take the max value and assign to NEW.numOfButtons.

2.3.162.10 versionstamp (FI-3119)

Type:	string [47] (Null OK)

Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963	
Remarks:	New guid plus seconds past midnight 1970 are concatenated	
Rule (RI-324):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	phonetemplate versionstamp
	Description:	on change to anything in phonetemplate, update versionstamp in phonetemplate table
	Test Condition:	update phonetemplate
Rule (RI-324):	Type:	Active (Insert/Update)
	Rule Name:	phonetemplate versionstamp
	Description:	on change to anything in phonetemplate, update versionstamp in phonetemplate table
	Test Condition:	update phonetemplate
Uniqueness:	No multicolumn uniqueness constraints	

2.3.163 physicallocation (TI-420)

Description: Used for DeviceMobility

Fields:

2.3.163.1 description (FI-3211)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{0,50}$

2.3.163.2 name (FI-3212)

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,50}$

2.3.163.3 pkid (FI-3213)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

Uniqueness: No multicolumn uniqueness constraints

2.3.164 pickupgroup (TI-331)

Description: Used for PickupGroup

Fields:

2.3.164.1 calledinfoenabled (FI-3214)

Type:	bool
Default Value:	FALSE

2.3.164.2 callinginfoenabled (FI-3215)

Type:	bool
Default Value:	FALSE

2.3.164.3 fknumplan_pickup (FI-2469)

Type:	guid (Unique)
Rule (RI-221):	Type: Active (Delete) Rule Name: Delete NumPlan for Call Pickup Group Description: When a Call Pickup Group is deleted, the NumPlan record to which it refers must also be deleted. Test Condition: ON DELETE FROM PickupGroup (DELETE FROM NumPlan WHERE pkid = @PickupGroup.fkNumPlan_Pickup)

2.3.164.4 name (FI-2470)

Type:	string [100] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,100}$

2.3.164.5 pickupnotificationtimer (FI-3216)

Type:	long
Default Value:	6
Check Constraint:	(PickupNotificationTimer >= 1) AND (PickupNotificationTimer <= 300)
Remarks:	seconds

2.3.164.6 pkid (FI-2471)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

	2.3.164.7 tkpickupnotification (FI-3217)
	Type: enum
	Default Value: 0
Uniqueness:	No multicolumn uniqueness constraints

2.3.165 pickupgrouplinemap (TI-332)

Description:	Used for PickupGroup
Fields:	**2.3.165.1 fknumplan_line (FI-2472)**
	Type: guid (Unique, Cascade Delete)
	2.3.165.2 fkpickupgroup (FI-2473)
	Type: guid
	2.3.165.3 pkid (FI-2474)
	Type: guid (Unique, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints

2.3.166 pickupgroupmember (TI-333)

Description:	Used for PickupGroup
Fields:	**2.3.166.1 fkpickupgroup_member (FI-2475)**
	Type: guid (Cascade Delete)
	2.3.166.2 fkpickupgroup_primary (FI-2586)
	Type: guid (Indexed, Cascade Delete)
	2.3.166.3 pkid (FI-2476)
	Type: guid (Unique)
	Default Value: newid()
	Remarks: Unique ID to identify a record.

	2.3.166.4 priority (FI-2477)
	Type: long
Uniqueness:	fkpickupgroup_primary + fkpickupgroup_member is unique. (MFI-84) fkpickupgroup_primary + priority is unique. (MFI-85)

2.3.167 pilot (TI-30)

Description:	Web Attendant's inbound directory numbers
Fields:	**2.3.167.1 fkcallmanagergroup (FI-614)**
	Type: guid (Null OK)
	Default Value: NULL
	Remarks: For fail over of the primary
	2.3.167.2 fkdevice (FI-578)
	Type: guid (Indexed, Cascade Delete)
	Migration Source: find the device corresponding to the name of the pilot
	Rule (RI-129):

Type:	Validation (Insert/Update)
Rule Name:	Attendant Console Pilot Device
Description:	The records in Pilot table must reference a CTI Route Point device (tkProduct = 26), not including 3rd Party CTI Route Points.
Test Condition:	Pilot.fkDevice IN (SELECT pkid FROM Device WHERE tkProduct = 26)
Error Message:	Pilot table may only reference CTI Route Point devices.
Remedy:	Correct the fkDevice value to refer to a CTI Route Point device.

	2.3.167.3 ikpilot (FI-236)
	Type: guid (Null OK)
	Default Value: NULL
	Migration Source: PilotToHuntGroupID.nexPilot
	2.3.167.4 isqueueenabled (FI-1969)
	Type: bool
	Default Value: FALSE

	Remarks:	Queue enabled status on "Route Calls" for AC
	2.3.167.5 pkid (FI-234)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.167.6 queueholdtimeinsecs (FI-1971)	
	Type:	long
	Default Value:	0
	Check Constraint:	(QueueHoldTimeInSecs >= 0) AND (QueueHoldTimeInSecs <= 3600)
	Remarks:	Queue hold time for "Route Calls"
	2.3.167.7 queuesize (FI-1970)	
	Type:	long
	Default Value:	32
	Check Constraint:	(QueueSize > 0) AND (QueueSize <= 255)
	Remarks:	Queue size for "Route Calls"
	2.3.167.8 tkhuntalgorithmforac (FI-609)	
	Type:	enum
	Default Value:	0
	Migration Source:	Was bool before.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.168 pilothuntgroup (TI-19)

Description:	Web Attendant hunt groups.

Fields:

2.3.168.1 alwaysroute (FI-763)

Type:	bool
Default Value:	FALSE

Rule (RI-193):

Type:	Validation (Insert/Update/Delete)
Rule Name:	Update AlwaysRoute on change in PilotHuntGroup
Description:	The pilothuntgroup table should not allow "alwaysroute" to be set to true for more than one record with the same pilot (fkpilot). If an insert/update is done to pilothuntgroup and alwaysroute is being set to true, set all other entries for this pilot to have false value for alwaysroute. Note: It is OK if a pilot does not have alwaysroute set for one row.
Test Condition:	IF (in_alwaysroute IS TRUE) THEN UPDATE PilotHuntGroup SET alwaysroute = "F" WHERE fkpilot = in_fkpilot and pkid <> in_pkid and alwaysroute is TRUE; END IF;

2.3.168.2 devicelineindex (FI-232)

Type:	long (Null OK)
Default Value:	NULL
Migration Source:	HuntGroupIDToHuntGroupMembers.DeviceLine

Rule (RFI-85):

Type:	Inter-field Condition and Constraint
Test Condition:	fkPilotUser IS NOT NULL
Constraint:	DeviceLineIndex IS NOT NULL
Null Allowed:	null
Remarks:	Must specify line index on User's device if user is specified

Rule (RI-130):

Type:	Validation (Insert/Update)
Rule Name:	Pilot Hunt Group Unique User Line
Description:	If a Pilot Hunt Group member is defined as a User and Line, the User and and Line may appear only once in the Pilot Hunt Group.
Test Condition:	IF (fkPilotUser IS NOT NULL) AND (fkPilot + fkPilotUser + DeviceLineIndex is not unique) THEN throw exception
Error Message:	A User's Line may appear only once in a Pilot Hunt Group.
Remedy:	Select another line or another user and try again.

2.3.168.3 fknumplan (FI-587)

Type:	guid (Cascade Delete, Null OK)

Default Value:	NULL	
Migration Source:	HuntGroupIDToHuntGroupMembers.DirectoryNumber	
Rule (RI-130):	Type:	Validation (Insert/Update)
	Rule Name:	Pilot Hunt Group Unique User Line
	Description:	If a Pilot Hunt Group member is defined as a User and Line, the User and and Line may appear only once in the Pilot Hunt Group.
	Test Condition:	IF (fkPilotUser IS NOT NULL) AND (fkPilot + fkPilotUser + DeviceLineIndex is not unique) THEN throw exception
	Error Message:	A User's Line may appear only once in a Pilot Hunt Group.
	Remedy:	Select another line or another user and try again.
Rule (RI-131):	Type:	Validation (Insert/Update)
	Rule Name:	Pilot Hunt Group Unique DN
	Description:	If a Pilot Hunt Group member is defined as a directory number and partition (NumPlan record), the directory number and partition may appear only once in the Pilot Hunt Group.
	Test Condition:	IF (fkNumPlan IS NOT NULL) AND (SELECT COUNT(*) FROM PilotHuntGroup WHERE (fkPilot = @PilotHuntGroup.fkPilot) AND fkNumPlan = @PilotHuntGroup.fkNumPlan) > 1) THEN throw exception
	Error Message:	A Directory Number and Partition may appear only once in a Pilot Hunt Group.
	Remedy:	Select another Directory Number or Partition and try again.

2.3.168.4 fkpilot (FI-229)

Type:	guid (Indexed, Cascade Delete)	
Migration Source:	HuntGroupIDToHuntGroupMembers.HuntGroupID	
Rule (RI-130):	Type:	Validation (Insert/Update)
	Rule Name:	Pilot Hunt Group Unique User Line
	Description:	If a Pilot Hunt Group member is defined as a User and Line, the User and and Line may appear only once in the Pilot Hunt Group.
	Test Condition:	IF (fkPilotUser IS NOT NULL) AND (fkPilot + fkPilotUser + DeviceLineIndex is not unique) THEN throw exception
	Error Message:	A User's Line may appear only once in a Pilot Hunt Group.
	Remedy:	Select another line or another user and try again.

Rule (RI-131):	Type:	Validation (Insert/Update)
	Rule Name:	Pilot Hunt Group Unique DN
	Description:	If a Pilot Hunt Group member is defined as a directory number and partition (NumPlan record), the directory number and partition may appear only once in the Pilot Hunt Group.
	Test Condition:	IF (fkNumPlan IS NOT NULL) AND (SELECT COUNT(*) FROM PilotHuntGroup WHERE (fkPilot = @PilotHuntGroup.fkPilot) AND fkNumPlan = @PilotHuntGroup.fkNumPlan) > 1) THEN throw exception
	Error Message:	A Directory Number and Partition may appear only once in a Pilot Hunt Group.
	Remedy:	Select another Directory Number or Partition and try again.
Rule (RI-193):	Type:	Validation (Insert/Update/Delete)
	Rule Name:	Update AlwaysRoute on change in PilotHuntGroup
	Description:	The pilothuntgroup table should not allow "alwaysroute" to be set to true for more than one record with the same pilot (fkpilot). If an insert/update is done to pilothuntgroup and alwaysroute is being set to true, set all other entries for this pilot to have false value for alwaysroute. Note: It is OK if a pilot does not have alwaysroute set for one row.
	Test Condition:	IF (in_alwaysroute IS TRUE) THEN UPDATE PilotHuntGroup SET alwaysroute = "F" WHERE fkpilot = in_fkpilot and pkid <> in_pkid and alwaysroute is TRUE; END IF;

2.3.168.5 fkpilotuser (FI-233)

Type:	guid (Cascade Delete, Null OK)
Default Value:	NULL
Migration Source:	HuntGroupIDToHuntGroupMembers.UserIDKey (corresponds to UserToUserID)
Rule (RI-130):	Type: Validation (Insert/Update)
	Rule Name: Pilot Hunt Group Unique User Line
	Description: If a Pilot Hunt Group member is defined as a User and Line, the User and and Line may appear only once in the Pilot Hunt Group.
	Test Condition: IF (fkPilotUser IS NOT NULL) AND (fkPilot + fkPilotUser + DeviceLineIndex is not unique) THEN throw exception
	Error Message: A User's Line may appear only once in a Pilot Hunt Group.
	Remedy: Select another line or another user and try again.

2.3.168.6 pkid (FI-228)

Type:	guid (Unique, Indexed, Not Modifiable)

	Default Value:	newid()	
	Migration Source:	Generated	
	Remarks:	Unique ID to identify a record.	
	Rule (RI-193):	Type:	Validation (Insert/Update/Delete)
		Rule Name:	Update AlwaysRoute on change in PilotHuntGroup
		Description:	The pilothuntgroup table should not allow "alwaysroute" to be set to true for more than one record with the same pilot (fkpilot). If an insert/update is done to pilothuntgroup and alwaysroute is being set to true, set all other entries for this pilot to have false value for alwaysroute. Note: It is OK if a pilot does not have alwaysroute set for one row.
		Test Condition:	IF (in_alwaysroute IS TRUE) THEN UPDATE PilotHuntGroup SET alwaysroute = "F" WHERE fkpilot = in_fkpilot and pkid <> in_pkid and alwaysroute is TRUE; END IF;
	2.3.168.7 sortorder (FI-230)		
	Type:	long	
	Migration Source:	HuntGroupIDToHuntGroupMembers.HuntGroupOrder	
Uniqueness:	fkpilot + sortorder is unique. (MFI-65)		
Constraints:	Rule (RFI-123):	Type:	Inter-field Condition and Constraint
		Constraint:	((fkNumPlan IS not NULL) OR (fkPilotUser IS not NULL)) AND ((fkNumPlan IS NULL) OR (fkPilotUser IS NULL))
		Remarks:	PilotHuntGroup must have but only either a DN or a PilotUser.
Rules:	Rule (RI-193):	Type:	Validation (Insert/Update/Delete) Rule applied when record is inserted or updated.
		Rule Name:	Update AlwaysRoute on change in PilotHuntGroup
		Description:	The pilothuntgroup table should not allow "alwaysroute" to be set to true for more than one record with the same pilot (fkpilot). If an insert/update is done to pilothuntgroup and alwaysroute is being set to true, set all other entries for this pilot to have false value for alwaysroute. Note: It is OK if a pilot does not have alwaysroute set for one row.
		Test Condition:	IF (in_alwaysroute IS TRUE) THEN UPDATE PilotHuntGroup SET alwaysroute = "F" WHERE fkpilot = in_fkpilot and pkid <> in_pkid and alwaysroute is TRUE; END IF;

2.3.169 pilotuser (TI-69)

Description:	Web Attendant user information
Fields:	**2.3.169.1 password (FI-122)**
	Type: string [50]
	Default Value: EMPTY
	Validation: ^[a-zA-Z 0-9_-]{0,50}$
	Migration Source: UserToUserIDKey.Password
	2.3.169.2 pkid (FI-120)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Migration Source: Generated
	Remarks: Unique ID to identify a record.
	2.3.169.3 userid (FI-121)
	Type: string [50] (Unique)
	Validation: ^[a-zA-Z 0-9_-]{1,50}$
	Migration Source: UserToUserIDKey.UserID
	Remarks: not related to user information (this is logon ID)
Uniqueness:	No multicolumn uniqueness constraints

2.3.170 pilotuserdata (TI-417)

Description:	Web Attendant user xml data
Fields:	**2.3.170.1 attendantdata (FI-3159)**
	Type: string [32000] (Null OK)
	Default Value: NULL
	2.3.170.2 fkpilotuser (FI-3157)
	Type: guid (Indexed, Cascade Delete)
	Migration Source: This comes from PilotUser.pkid
	2.3.170.3 index (FI-3158)
	Type: long

	Default Value:	0
	Remarks:	Index of data per user
	2.3.170.4 pkid (FI-3156)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
Uniqueness:	fkpilotuser + index is unique. (MFI-91)	

2.3.171 plugin (TI-122)

Description:	List of menu items to plug into/show on the Web Admin. Insert/Delete is not allowed.
Fields:	

	2.3.171.1 customurl (FI-2053)	
	Type:	memo
	Default Value:	EMPTY
	2.3.171.2 description (FI-701)	
	Type:	memo (Null OK)
	Default Value:	NULL
	2.3.171.3 name (FI-700)	
	Type:	string [100] (Unique)
	Validation:	^[a-zA-Z 0-9_-]{1,100}$
	Remarks:	Plugin name
	2.3.171.4 pkid (FI-698)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.171.5 showonuseroption (FI-2054)	
	Type:	bool

	Default Value:	FALSE
	2.3.171.6 tkpluginusage (FI-699)	
	Type:	enum
	2.3.171.7 url (FI-702)	
	Type:	memo
Uniqueness:	No multicolumn uniqueness constraints	

2.3.172 preferences (TI-286)

Description:	UI Preferences	
Fields:	**2.3.172.1 fkenduser (FI-1999)**	
	Type:	guid (Cascade Delete)
	2.3.172.2 name (FI-2000)	
	Type:	string [64] (Not Modifiable)
	Validation:	^[a-zA-Z0-9._-]{1,64}$
	2.3.172.3 pkid (FI-1998)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.172.4 value (FI-2001)	
	Type:	string [64]
	Default Value:	EMPTY
	Validation:	^[a-zA-Z0-9]{0,50}$
Uniqueness:	fkenduser + name is unique. (MFI-57)	

2.3.173 processconfig (TI-88)

Description:	All service configuration. Attributes of a process on a node.

Fields:

2.3.173.1 fkprocessnode (FI-296)

Type:	guid (Indexed, Cascade Delete, Not Modifiable)

2.3.173.2 paramname (FI-297)

Type:	string [50] (Indexed, Not Modifiable)
Default Value:	EMPTY
Rule (RI-306):	Type: Active (Insert/Update/Delete records) Rule Name: device versionstamp on processconfig Description: on update of enterprise processconfig record, update device deviceversionstamp record Test Condition: update processconfig

2.3.173.3 paramvalue (FI-299)

Type:	string [255] (Null OK)
Default Value:	NULL
Remarks:	if tParam is boolean, use "T" or "F"
Rule (RI-306):	Type: Active (Insert/Update/Delete records) Rule Name: device versionstamp on processconfig Description: on update of enterprise processconfig record, update device deviceversionstamp record Test Condition: update processconfig

2.3.173.4 pkid (FI-294)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.173.5 primarydata (FI-484)

Type:	bool
Default Value:	FALSE
Remarks:	Flag to show if should be on main part of setup screen (true) or advanced section of screen (false)

2.3.173.6 resettoggle (FI-3112)

Type:	bool

	Default Value:	FALSE
	Remarks:	Should this device or group be reset
	Rule (RI-306):	Type: Active (Insert/Update/Delete records) Rule Name: device versionstamp on processconfig Description: on update of enterprise processconfig record, update device deviceversionstamp record Test Condition: update processconfig
	2.3.173.7 tkparam (FI-298)	
	Type:	enum (Not Modifiable)
	2.3.173.8 tkreset (FI-3113)	
	Type:	enum
	Default Value:	2
	Remarks:	Set by DeviceReset stored procedure.
	2.3.173.9 tkservice (FI-324)	
	Type:	enum (Indexed, Not Modifiable)
	Rule (RI-306):	Type: Active (Insert/Update/Delete records) Rule Name: device versionstamp on processconfig Description: on update of enterprise processconfig record, update device deviceversionstamp record Test Condition: update processconfig
	2.3.173.10 versionstamp (FI-3120)	
	Type:	string [47] (Null OK)
	Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
	Remarks:	New guid plus seconds past midnight 1970 are concatenated
Uniqueness:	fkprocessnode + tkservice + paramname is unique. (MFI-10)	

Rules:	Rule (RI-198):	Type:	Validation (Insert/Update) Rule applied when record is inserted or updated. This table is modified by this rule.
		Rule Name:	Service Parameter validation
		Description:	Service parameter value need validation before insert/update into ProcessConfig table. Validation is now performed using client side script at Admin pages. This involves reading the display instance xml (from scratch table) for the specific product, then for each parameter , read the corresponding rule xml record (scratch table) and validate the parameter value as defined in the rule.
		Test Condition:	On Insert/Update of service parameter in processconfig table.

2.3.174 processconfigdefaults (TI-101)

Description:	Default service configuration parameters for each service type. Records may be modified only by installation and/or DB triggers.

Fields:

2.3.174.1 enum (FI-647)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	Used for primary key so can be replicated by SQL

2.3.174.2 maxlongvalue (FI-475)

Type:	long (Not Modifiable, Null OK)
Default Value:	NULL

2.3.174.3 minlongvalue (FI-474)

Type:	long (Not Modifiable, Null OK)
Default Value:	NULL

2.3.174.4 paramname (FI-471)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY

2.3.174.5 paramvalue (FI-473)

Type:	string [255] (Not Modifiable)
Default Value:	EMPTY

2.3.174.6 primarydata (FI-483)

	Type:	bool (Not Modifiable)
	Remarks:	Flag to show if should be on main part of setup screen (true) or advanced section of screen (false)
	2.3.174.7 servicewide (FI-646)	
	Type:	bool (Not Modifiable)
	Remarks:	is this parameter service wide?
	2.3.174.8 tkparam (FI-605)	
	Type:	enum (Not Modifiable)
	2.3.174.9 tkservice (FI-477)	
	Type:	enum (Indexed, Not Modifiable)
	2.3.174.10 typetablelink (FI-476)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	Name of related type table
Uniqueness:	tkservice + paramname is unique. (MFI-73)	

2.3.175 processnode (TI-86)

Description:	All machines running Cisco process in the cluster. The "Enterprise Node" is identified by the pkid of '00000000-1111-0000-0000-000000000000'. This is a special record used to record enterprise parameters in ProcessConfig.	
Fields:	**2.3.175.1 description (FI-1204)**	
	Type:	string [50]
	Default Value:	EMPTY
	Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,50}$
	Remarks:	Description of the server.
	2.3.175.2 ipv6name (FI-3661)	
	Type:	string [255]
	Default Value:	EMPTY
	Validation:	^[0-9a-zA-Z.:_-]{0,255}$
	Remarks:	Allow IPv6 address or hostname. Should be IPv6 format or name.

Rule (RI-704):	Type:	Validation (Insert/Update)
	Rule Name:	Insert Update ProcessNode.IPv6Name
	Description:	On insert or update value must be valid ip address and must not be SiteLocal LinkLocal IPv4 Mapped IPv4 Combined or Unspecified
	Test Condition:	On insert or update of IPv6Name
	Error Message:	IPv6 address value must be valid IPv6 address and must not be SiteLocal LinkLocal IPv4 Mapped IPv4 Combined or Unspecified
	Remedy:	Correct to valid IPv6 address

2.3.175.3 isactive (FI-1857)

Type:	bool
Default Value:	TRUE
Remarks:	When this record is installed by an installation, this is set to true. When it is preconfigured by the admin, it can be set to false so warnings are not sent about failed replication.

2.3.175.4 mac (FI-419)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[a-fA-F0-9]{12}$
Remarks:	This is the media access control (MAC) address of the network interface card (NIC) in the Cisco CallManager server. The MAC address specifies the permanent hardware address of the NIC.

2.3.175.5 name (FI-290)

Type:	string [255] (Unique)
Validation:	^[a-zA-Z0-9][a-zA-Z0-9.-]{0,61}[a-zA-Z0-9]$
Remarks:	Primary host name of a machine. If your network uses DNS services, you can enter the host name of the Cisco CallManager server. Otherwise, you must enter the full IP address of the server.

Rule (RI-132):	Type:	Validation (Insert/Update)
	Rule Name:	Process Node Name and IP Address
	Description:	For every Insert/Update, all Host Names are resolved to an IP Address, and all IP addresses are compared to ensure there are no duplicates. This prevents a user from entering both the IP Address and Host Name for the same server.
	Test Condition:	ON INSERT, UPDATE
	Error Message:	ProcessNode record for this server already exists. Only one entry for a server is allowed, using either host name or IP Address.
	Remedy:	Check to see if a server with this name or IP address already exists.
Rule (RI-206):	Type:	Active (Insert)
	Rule Name:	CallManager Record Insert
	Description:	On insert of a callmanager processnodeservice record, insert a callmanager record and processnodeAudit record
	Test Condition:	?
Rule (RI-226):	Type:	Validation (Insert/Update)
	Rule Name:	ProcessNode name is not a valid format
	Description:	Make sure node name is ip, name or domain name
	Test Condition:	?
	Error Message:	?
	Remedy:	?
Rule (RI-251):	Type:	Active (Insert)
	Rule Name:	Insert processnodeservice records on processnode insert
	Description:	?
	Test Condition:	?
	Error Message:	?
	Remedy:	?

Rule (RI-333):	Type:	Validation (Delete)
	Rule Name:	Publisher Deletion from processnode table should not be allowed
	Description:	on D of ProcessNode
	Test Condition:	prevent deletion of publisher
Rule (RI-401):	Type:	Active (Update)
	Rule Name:	Sync ProcessNodeService.ServerName with ProcessNode.Name
	Description:	When the name changes in ProcessNode table, update the ServiceName in ProcessNodeService table for services on that node.
	Test Condition:	ON UPDATE IN ProcessNode: IF (old_Name <> new_Name) THEN UPDATE ProcessNodeService SET ServerName = new_Name WHERE fkProcessNode = new_pkid); END IF

2.3.175.6 nodeid (FI-1992)

Type:	identity (Unique, Indexed, Not Modifiable)
Remarks:	Integer vaeue for node

Rule (RI-333):	Type:	Validation (Delete)
	Rule Name:	Publisher Deletion from processnode table should not be allowed
	Description:	on D of ProcessNode
	Test Condition:	prevent deletion of publisher

2.3.175.7 pkid (FI-289)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

Rule (RI-132):	Type:	Validation (Insert/Update)
	Rule Name:	Process Node Name and IP Address
	Description:	For every Insert/Update, all Host Names are resolved to an IP Address, and all IP addresses are compared to ensure there are no duplicates. This prevents a user from entering both the IP Address and Host Name for the same server.
	Test Condition:	ON INSERT, UPDATE
	Error Message:	ProcessNode record for this server already exists. Only one entry for a server is allowed, using either host name or IP Address.
	Remedy:	Check to see if a server with this name or IP address already exists.
Rule (RI-206):	Type:	Active (Insert)
	Rule Name:	CallManager Record Insert
	Description:	On insert of a callmanager processnodeservice record, insert a callmanager record and processnodeAudit record
	Test Condition:	?
Rule (RI-251):	Type:	Active (Insert)
	Rule Name:	Insert processnodeservice records on processnode insert
	Description:	?
	Test Condition:	?
	Error Message:	?
	Remedy:	?
Rule (RI-333):	Type:	Validation (Delete)
	Rule Name:	Publisher Deletion from processnode table should not be allowed
	Description:	on D of ProcessNode
	Test Condition:	prevent deletion of publisher
Rule (RI-377):	Type:	Validation (Insert)
	Rule Name:	Prevent too many servers in database
	Description:	The number of allowed servers in the cluster has been exceeded.
	Test Condition:	ON INSERT INTO ProcessNode

	Rule (RI-401):	Type:	Active (Update)
		Rule Name:	Sync ProcessNodeService.ServerName with ProcessNode.Name
		Description:	When the name changes in ProcessNode table, update the ServiceName in ProcessNodeService table for services on that node.
		Test Condition:	ON UPDATE IN ProcessNode: IF (old_Name <> new_Name) THEN UPDATE ProcessNodeService SET ServerName = new_Name WHERE fkProcessNode = new_pkid); END IF

2.3.175.8 systemnode (FI-611)

Type:	bool
Default Value:	FALSE

2.3.175.9 tknodeusage (FI-3318)

Type:	long (Not Modifiable)
Default Value:	1
Remarks:	Indicates a node is a Pub or a Sub

Uniqueness:	No multicolumn uniqueness constraints

2.3.176 processnodeaudit (TI-498)

Description:	Defines the Audit settings for each node Records may be modified only by installation and/or DB triggers.

Fields:

2.3.176.1 auditfiletraceflag (FI-3791)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Audit File Trace is Enabled

2.3.176.2 auditmaxfilesize (FI-3792)

Type:	long (Not Modifiable)
Default Value:	2
Check Constraint:	(AuditMaxFileSize >= 1) and (AuditMaxFileSize <= 10)
Remarks:	Maximum Audit Log File Size

2.3.176.3 auditnumfiles (FI-3788)

Type:	long (Not Modifiable)
Default Value:	250
Check Constraint:	(AuditNumFiles >= 1) AND (AuditNumFiles <= 5000)
Remarks:	Number of Audit Log Files

2.3.176.4 auditnumlines (FI-3789)

Type:	long (Not Modifiable)
Default Value:	10000
Check Constraint:	(AuditNumLines >= 1) AND (AuditNumLines <= 20000)
Remarks:	Number of Lines per Audit Log

2.3.176.5 auditnumminutes (FI-3790)

Type:	long (Not Modifiable)
Default Value:	1440
Check Constraint:	(AuditNumMinutes >= 1) and (AuditNumMinutes <= 20000)
Remarks:	Number of Minutes per Audit Log

2.3.176.6 audittracelevel (FI-3787)

Type:	long (Not Modifiable)
Default Value:	1
Check Constraint:	(AuditTraceLevel >= 1) AND (AuditTraceLevel <= 20000)
Remarks:	Audit Trace Level

2.3.176.7 enableauditlog (FI-3784)

Type:	bool (Not Modifiable)
Default Value:	TRUE
Remarks:	Audit Log is Enabled

2.3.176.8 enableidsaudit (FI-3793)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Informix Dynamic Server (IDS) Audit is Enabled

2.3.176.9 enablelogrotation (FI-3786)

Type:	bool (Not Modifiable)

Default Value:	TRUE
Remarks:	Audit Log Rotation is Enabled

2.3.176.10 enablepurging (FI-3785)

Type:	bool (Not Modifiable)
Default Value:	TRUE
Remarks:	Audit Log Purging is Enabled

2.3.176.11 fkprocessnode (FI-3797)

Type:	guid (Unique, Cascade Delete, Not Modifiable)
Check Constraint:	fkProcessNode != '00000000-1111-0000-0000-000000000000'
Remarks:	Refer to the Server to which the Audit settings are applied.

2.3.176.12 idsauditlogrotateenabled (FI-5728)

Type:	bool (Not Modifiable)
Default Value:	TRUE
Remarks:	If set to true , enable log rotation of IDS Audit logs, provided IDS logs are enabled

2.3.176.13 idsdeletenumauditfiles (FI-5727)

Type:	long (Not Modifiable)
Default Value:	20
Check Constraint:	(IDSDeleteNumAuditFiles >=1)
Remarks:	Number of IDS Audit Log Files To Be Deleted
Rule (RFI-278):	Type: Inter-field Condition and Constraint Constraint: IDSDeleteNumAuditFiles <= (IDSMaxNumAuditFiles-2) Remarks: IDSDeleteNumAuditFiles can never exceed (IDSMaxNumAuditFiles-2)

2.3.176.14 idsmaxnumauditfiles (FI-5726)

Type:	long (Not Modifiable)
Default Value:	40
Check Constraint:	(IDSMaxNumAuditFiles >= 4) AND (IDSMaxNumAuditFiles <= 40)
Remarks:	Maximum Number of IDS Audit Log Files

2.3.176.15 pkid (FI-3796)

Type:	guid (Unique, Indexed, Not Modifiable)

	Default Value:	newid()
	Remarks:	Unique ID to identify a record
	2.3.176.16 tkidsauditlevel (FI-3794)	
	Type:	enum (Not Modifiable)
	Default Value:	0
	Remarks:	Indicates the Informix Dynamic Server (IDS) Audit Level - Schema, Admin, Updates and Reads
Uniqueness:	No multicolumn uniqueness constraints	

2.3.177 processnodesec (TI-398)

Description:	security information for processonde	
Fields:	**2.3.177.1 cert (FI-2979)**	
	Type:	string [16000]
	Remarks:	certificate of the server.
	2.3.177.2 fkprocessnode (FI-2975)	
	Type:	guid (Indexed, Cascade Delete)
	Remarks:	associated processnode for security
	2.3.177.3 hostname (FI-2977)	
	Type:	string [255] (Unique)
	Remarks:	Primary host name of a machine. If your network uses DNS services, you can enter the host name of the Cisco CallManager server.
	2.3.177.4 ip (FI-2978)	
	Type:	string [255] (Unique)
	Remarks:	IP address of the server.
	2.3.177.5 pkid (FI-2973)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.177.6 sftpkey (FI-2981)	

	Type:	string [16000]
	Default Value:	EMPTY
	Remarks:	certificate of the server.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.178 processnodesecack (TI-399)

Description:	node acknolegement security information for processonde	
Fields:	**2.3.178.1 fkprocessnode (FI-2976)**	
	Type:	guid (Indexed, Cascade Delete)
	Remarks:	associated processnode to receive acknowledgement
	2.3.178.2 fkprocessnodesec (FI-2980)	
	Type:	guid (Indexed, Cascade Delete)
	Remarks:	associated processnode with new certificate
	2.3.178.3 pkid (FI-2974)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.179 processnodeservice (TI-113)

Description:	Used to identify which services are installed on a particular node and various trace configurations. Trigger will insert all services when ProcessNode record is inserted. Insert/Delete is not allowed.

Fields:

2.3.179.1 devicenamemonitorflag (FI-883)

Type:	bool
Default Value:	FALSE
Remarks:	Trace configuartion option

2.3.179.2 devicetypemonitorflag (FI-882)

Type:	bool
Default Value:	FALSE
Remarks:	Trace configuartion option

2.3.179.3 enable (FI-816)

Type:	bool
Default Value:	FALSE
Remarks:	Trace configuartion option

2.3.179.4 filetraceflag (FI-884)

Type:	bool
Default Value:	FALSE
Remarks:	Trace configuartion option. This enables sending the output of the trace to a log file. Each Cisco CallManager service includes a default log file.

2.3.179.5 fkprocessnode (FI-607)

Type:	guid (Indexed, Cascade Delete)
Rule (RI-188):	

Type:	Active (Insert)
Rule Name:	Insert Media Streaming Devices
Description:	When a ProcessNodeService record for a Media Streaming service is inserted, database automatically inserts the four media streaming Device records for the service: Annunciator, Software Conference Bridge, Music On Hold, and Software MTP. In addition, a MOHServer record is inserted for the MOH device, and a MediaMixer record is inserted for the MTP device.
Test Condition:	On Insert to ProcessNodeService WHERE tkService=3

2.3.179.6 includenondevicetraces (FI-820)

Type:	bool
Default Value:	FALSE
Remarks:	Trace configuartion option

2.3.179.7 isactive (FI-1858)

Type:	bool
Default Value:	FALSE
Migration Source:	TRUE for all existing records. Migration also adds some more records and the value is False for these new records.
Remarks:	Set by Serviceability to show if a service is activate or not.
Rule (RI-139):	Type: Validation (Insert/Update) Rule Name: Service Active only on Active Node Description: A Service can only be marked as Active if it is associated with a service (node) that is also Active. Test Condition: xx
Rule (RI-140):	Type: Active (Insert/Update/Delete records) Rule Name: Set Services Inactive on Server Inactive Description: If a server (ProcessNode) is marked Inactive, then all services on that server are automatically marked as Inactive as well. Test Condition: IF (@ProcessNode.IsActive = FALSE) THEN (UPDATE ProcessNodeService SET IsActive = FALSE WHERE fkProcessNode = @ProcessNode.pkid)
Rule (RI-290):	Type: Active (Insert/Update/Delete records) Rule Name: License Provisioning for Processnode Description: Provision licenses on processnode insert and device delete Test Condition: ON INSERT/DELETE IN processnode Error Message: License provisioning on processnode Insert/Delete Remedy: Call to Licensing api failed

2.3.179.8 maxfilesize (FI-2051)

Type:	long
Default Value:	1
Remarks:	Created during installation.

2.3.179.9 numfiles (FI-817)

Type:	long
Default Value:	250

Remarks:	Trace configuartion option. Total number of trace files for a given service. Cisco CallManager automatically appends a sequence number to the file name to indicate which file it is; for example, ccm299.txt. When the last file in the sequence is full, the trace data begins writing over the first file.

2.3.179.10 numlines (FI-818)

Type:	long
Default Value:	10000
Remarks:	Trace configuartion option. Maximum number of lines of data stored in each trace file.

2.3.179.11 numminutes (FI-819)

Type:	long
Default Value:	1440
Remarks:	Trace configuartion option

2.3.179.12 outputdebugstringflag (FI-885)

Type:	bool
Default Value:	FALSE
Remarks:	Trace configuartion option

2.3.179.13 pkid (FI-606)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
Rule (RI-227):	Type: Active (Insert) Rule Name: Insert AlarmConfig Records Description: Insert AlarmConfig records on ProcessNodeService insert based on records in the AlarmMonitorCapabilities table Test Condition: ? Error Message: ? Remedy: ?

2.3.179.14 priority (FI-2004)

Type:	long
Default Value:	0

Check Constraint:	Priority >= 0
Migration Source:	when no restriction not important, other wise 0 or 1 (primary or secondary)
Remarks:	if servcie is of restricted type, priority oder of box (primary secandary)

2.3.179.15 restrictserver (FI-2870)

Type:	bool
Default Value:	FALSE
Remarks:	When set, service can not be de-activated

2.3.179.16 servername (FI-823)

Type:	string [255]
Default Value:	EMPTY
Remarks:	Trace configuartion option

2.3.179.17 tkservice (FI-608)

Type:	enum (Indexed)	
Rule (RI-188):	Type:	Active (Insert)
	Rule Name:	Insert Media Streaming Devices
	Description:	When a ProcessNodeService record for a Media Streaming service is inserted, database automatically inserts the four media streaming Device records for the service: Annunciator, Software Conference Bridge, Music On Hold, and Software MTP. In addition, a MOHServer record is inserted for the MOH device, and a MediaMixer record is inserted for the MTP device.
	Test Condition:	On Insert to ProcessNodeService WHERE tkService=3
Rule (RI-227):	Type:	Active (Insert)
	Rule Name:	Insert AlarmConfig Records
	Description:	Insert AlarmConfig records on ProcessNodeService insert based on records in the AlarmMonitorCapabilities table
	Test Condition:	?
	Error Message:	?
	Remedy:	?

	Rule (RI-290):	Type:	Active (Insert/Update/Delete records)
		Rule Name:	License Provisioning for Processnode
		Description:	Provision licenses on processnode insert and device delete
		Test Condition:	ON INSERT/DELETE IN processnode
		Error Message:	License provisioning on processnode Insert/Delete
		Remedy:	Call to Licensing api failed
	2.3.179.18 tracedrive (FI-3700)		
	Type:	string [1] (Not Modifiable)	
	Default Value:	C	
	Remarks:	For Windows only, the drive letter for trace file location.	
	2.3.179.19 tracelevel (FI-814)		
	Type:	long	
	Default Value:	0	
	Remarks:	Trace configuartion option. This specifies the level of information to be traced. Levels range from error to detailed.	
	2.3.179.20 usercategories (FI-815)		
	Type:	long	
	Default Value:	0	
	Remarks:	Trace configuartion option	
	2.3.179.21 usexml (FI-821)		
	Type:	bool	
	Default Value:	FALSE	
	Remarks:	Trace configuartion option. This specifies whether to format the output of the trace in XML format. Trace Analysis requires XML format. Cisco CallManager, CTIManager, and Cisco TFTP services support this setting.	
Uniqueness:	fkprocessnode + tkservice is unique. (MFI-32)		

Rules:	Rule (RI-188):	Type:	Active (Insert) Rule applied when record is inserted.
		Rule Name:	Insert Media Streaming Devices
		Description:	When a ProcessNodeService record for a Media Streaming service is inserted, database automatically inserts the four media streaming Device records for the service: Annunciator, Software Conference Bridge, Music On Hold, and Software MTP. In addition, a MOHServer record is inserted for the MOH device, and a MediaMixer record is inserted for the MTP device.
		Test Condition:	On Insert to ProcessNodeService WHERE tkService=3

2.3.180 productcapabilities (TI-119)

Description:	List of allowed values for various attributes (defined in TypeProductConfig) for a product. This is a subset of allowed values for the attribute. Records may be modified only by installation and/or DB triggers.

Fields:

2.3.180.1 enum (FI-658)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	Used for primary key so can be replicated by SQL
2.3.180.2 enumvalue (FI-661)	
Type:	long (Not Modifiable)
Remarks:	A number to identify the record
2.3.180.3 moniker (FI-664)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.180.4 tkproduct (FI-659)	
Type:	enum (Indexed, Not Modifiable)
2.3.180.5 tkproductconfig (FI-660)	
Type:	enum (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.181 productsupportsfeature (TI-180)

Description:	the product/feature, model/feature map Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.181.1 enum (FI-1107)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.181.2 param (FI-1111)** Type: string [255] (Not Modifiable) Default Value: EMPTY **2.3.181.3 tkdeviceprotocol (FI-2407)** Type: enum (Null OK) Default Value: 99 Remarks: Pkid of Device Protocol record **2.3.181.4 tkmodel (FI-1109)** Type: enum (Not Modifiable) **2.3.181.5 tkproduct (FI-1108)** Type: enum (Not Modifiable) **2.3.181.6 tksupportsfeature (FI-1110)** Type: enum (Not Modifiable)
Uniqueness:	tkproduct + tkmodel + tksupportsfeature + tkdeviceprotocol is unique. (MFI-34)

2.3.182 recordingdynamic (TI-432)

Description:	Frequently updated settings for the Recording Feature

Fields:	**2.3.182.1 datetimestamp (FI-3265)**		
	Type:	long	
	Default Value:	0	
	Rule (RI-400):	Type:	Active (Insert/Update)
		Rule Name:	Update the DateTimeStamp for Dynamic records
		Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
		Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
	Rule (RI-400):	Type:	Active (Insert/Update) This field is modified by this rule.
		Rule Name:	Update the DateTimeStamp for Dynamic records
		Description:	When a record in a Dynamic table is updated, set the DateTimeStamp to the current time value
		Test Condition:	ON INSERT/UPDATE INTO *Dynamic: LET currentTime = dbinfo('utc_current'); return currentTime (INTO DateTimeStamp);
	2.3.182.2 fkdevicenumplanmap (FI-3263)		
	Type:	guid (Unique, Cascade Delete)	
	2.3.182.3 pkid (FI-3262)		
	Type:	guid (Unique, Indexed, Not Modifiable)	
	Default Value:	newid()	
	Remarks:	Unique ID to identify a record.	
	2.3.182.4 tkrecordingflag (FI-3264)		
	Type:	enum	
	Default Value:	0	
Uniqueness:	No multicolumn uniqueness constraints		

2.3.183 recordingprofile (TI-433)

Description:	Frequently updated settings for Monitor and Record

Fields:		
	2.3.183.1 fkcallingsearchspace_callrecording (FI-3271)	
	Type:	guid (Null OK)
	Default Value:	NULL
	2.3.183.2 name (FI-3270)	
	Type:	string [50] (Unique)
	Validation:	^[a-zA-Z 0-9._-]{1,50}$
	Remarks:	Unique name to identify a profile
	2.3.183.3 pkid (FI-3269)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.183.4 recorderdestination (FI-3272)	
	Type:	string [255]
	Validation:	^[]a-zA-Z0-9!#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{1,255}$
	Remarks:	Recorder URL or DN
Uniqueness:	No multicolumn uniqueness constraints	

2.3.184 region (TI-31)

Description:	Region endpoint for IP network spans	
Fields:	**2.3.184.1 name (FI-157)**	
	Type:	string [50] (Unique)
	Validation:	^[a-zA-Z 0-9._-]{1,30}$
	Migration Source:	RegionList.Region
	Remarks:	A Unique name for the region.
	2.3.184.2 pkid (FI-156)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated

	Remarks:	Unique ID to identify a record.
	2.3.184.3 resettoggle (FI-3084)	
	Type:	bool
	Default Value:	FALSE
	Remarks:	Should this device or group be reset
	2.3.184.4 tkreset (FI-3085)	
	Type:	enum
	Default Value:	2
	Remarks:	Set by DeviceReset stored procedure.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.185 regionmatrix (TI-32)

Description:	Directonal bandwidth available between regions
Fields:	

2.3.185.1 fkregion_a (FI-159)	
Type:	guid (Cascade Delete, Not Modifiable)
Migration Source:	indirect from RegionA
Remarks:	Trigger inserts records and sets field when Region record instered.
2.3.185.2 fkregion_b (FI-160)	
Type:	guid (Cascade Delete, Not Modifiable)
Migration Source:	indirect from RegionB
Remarks:	Trigger inserts records and sets field when Region record instered.
2.3.185.3 pkid (FI-158)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
2.3.185.4 tkbandwidth (FI-161)	
Type:	enum

Default Value:	64	
Migration Source:	Bandwidth	
Remarks:	Value determined by Region.tkBandwidth	
Rule (RI-99):	Type:	Validation (Insert/Update)
	Rule Name:	Region Using Only Defaults Restriction
	Description:	If the Bandwidth and Video Bandwidth settings for a Region are both set to use the system default, the record is cannot be inserted, or if already exists, it must be deleted by the application (no active business rule).
	Test Condition:	IF (RegionMatrix.tkBandwidth = 0) AND (RegionMatrix.VideoBandwidth = -1) THEN throw exception
	Error Message:	Missing Bandwidth settings between two regions. No settings were specified to override the default Bandwidth and VideoBandwidth settings within a Region or between two regions.
	Remedy:	To override the Bandwidth setting, Video Bandwidth setting, or both, provide the desired settings within or between the regions. To use the default settings, remove the RegionMatrix record.

2.3.185.5 tklossynetwork (FI-3276)

Type:	enum	
Default Value:	0	
Remarks:	Level of packet loss experienced on the link between regions	
Rule (RI-99):	Type:	Validation (Insert/Update)
	Rule Name:	Region Using Only Defaults Restriction
	Description:	If the Bandwidth and Video Bandwidth settings for a Region are both set to use the system default, the record is cannot be inserted, or if already exists, it must be deleted by the application (no active business rule).
	Test Condition:	IF (RegionMatrix.tkBandwidth = 0) AND (RegionMatrix.VideoBandwidth = -1) THEN throw exception
	Error Message:	Missing Bandwidth settings between two regions. No settings were specified to override the default Bandwidth and VideoBandwidth settings within a Region or between two regions.
	Remedy:	To override the Bandwidth setting, Video Bandwidth setting, or both, provide the desired settings within or between the regions. To use the default settings, remove the RegionMatrix record.

2.3.185.6 videobandwidth (FI-1229)

	Type:	long
	Default Value:	384
	Check Constraint:	(videoBandwidth >= -2) AND (videoBandwidth <= 32256)
	Remarks:	Value determined by Region.videoBandwidth
	Rule (RI-99):	Type: Validation (Insert/Update)
		Rule Name: Region Using Only Defaults Restriction
		Description: If the Bandwidth and Video Bandwidth settings for a Region are both set to use the system default, the record is cannot be inserted, or if already exists, it must be deleted by the application (no active business rule).
		Test Condition: IF (RegionMatrix.tkBandwidth = 0) AND (RegionMatrix.VideoBandwidth = -1) THEN throw exception
		Error Message: Missing Bandwidth settings between two regions. No settings were specified to override the default Bandwidth and VideoBandwidth settings within a Region or between two regions.
		Remedy: To override the Bandwidth setting, Video Bandwidth setting, or both, provide the desired settings within or between the regions. To use the default settings, remove the RegionMatrix record.
Uniqueness:	fkregion_a + fkregion_b is unique. (MFI-11)	
Rules:	Rule (RI-99):	Type: Validation (Insert/Update) Rule applied when record is inserted.
		Rule Name: Region Using Only Defaults Restriction
		Description: If the Bandwidth and Video Bandwidth settings for a Region are both set to use the system default, the record is cannot be inserted, or if already exists, it must be deleted by the application (no active business rule).
		Test Condition: IF (RegionMatrix.tkBandwidth = 0) AND (RegionMatrix.VideoBandwidth = -1) THEN throw exception
		Error Message: Missing Bandwidth settings between two regions. No settings were specified to override the default Bandwidth and VideoBandwidth settings within a Region or between two regions.
		Remedy: To override the Bandwidth setting, Video Bandwidth setting, or both, provide the desired settings within or between the regions. To use the default settings, remove the RegionMatrix record.

2.3.186 remotedestination (TI-452)

Description:	Mobility settings for Dual-Mode and Single Number Reach devices

Fields:

2.3.186.1 answertoolatetimer (FI-3385)

Type:	long
Default Value:	19000
Check Constraint:	(AnswerTooLateTimer = 0) OR ((AnswerTooLateTimer >= 10000) AND (AnswerTooLateTimer <= 300000))
Remarks:	in milliseconds

2.3.186.2 answertoosoontimer (FI-3384)

Type:	long
Default Value:	1500
Check Constraint:	(AnswerTooSoonTimer >= 0) AND (AnswerTooSoonTimer <= 10000)
Remarks:	in milliseconds

2.3.186.3 delaybeforeringingcell (FI-3386)

Type:	long
Default Value:	4000
Check Constraint:	(DelayBeforeRingingCell >= 0) AND (DelayBeforeRingingCell <= 30000)
Remarks:	in milliseconds

2.3.186.4 destination (FI-3382)

Type:	string [127] (Unique)
Remarks:	Raw Cellular Number (must be unique)

Rule (RI-390):

Type:	Validation (Insert/Update)
Rule Name:	Remote Destination Number must be Unique and Valid
Description:	RemoteDestination.Destination must be unique, not empty and must be dialable digits or a URI.
Test Condition:	ON INSERT/UPDATE INTO RemoteDestination: IF (new_Destination <> '') AND ((SELECT COUNT(*) FROM RemoteDestination WHERE Destination = new_Destination) > 1) THEN throw exception;
Error Message:	The specified Remote Destination already exists or is not valid.
Remedy:	Check the destination and try again.

2.3.186.5 fkdevice_dualmode (FI-3379)

Type:	guid (Cascade Delete, Not Modifiable, Null OK)	
Default Value:	NULL	
Remarks:	Device to which these settings apply (must be a Remote Destination device)	
Rule (RI-384):	Type:	Validation (Insert/Update)
	Rule Name:	Dual Mode Remote Destination restriction
	Description:	The fkDevice_DualMode setting must reference a Dual Mode device type.
	Test Condition:	ON INSERT INTO RemoteDestination: IF () THEN throw exception
	Error Message:	Dual Mode Remote Destination must reference a Dual Mode device
	Remedy:	Check the type of device specified in fkDevice_DualMode. Remote Destionations other than Dual Mode must use fkDevice_RemoteDestinationTemplate.
Rule (RI-385):	Type:	Active (Insert/Update)
	Rule Name:	Dual Mode Remote Destination is Mobile Phone by Default
	Description:	A Dual Mode remote destination is marked as a mobile phone by default
	Test Condition:	ON INSERT INTO RemoteDestination:
Rule (RI-391):	Type:	Validation (Insert/Update)
	Rule Name:	Remote Destination fkDevice_Dual Mode must Unique
	Description:	RemoteDestination.fkDevice_DualMode must be unique if it is not null.
	Test Condition:	ON INSERT/UPDATE INTO RemoteDestination: IF (new_fkDevice_DualMode IS NOT NULL') AND ((SELECT COUNT(*) FROM RemoteDestination WHERE fkDevice_DualMode = new_fkDevice_DualMode) > 1) THEN throw exception;
	Error Message:	A DualMode remote destination for already exists for this device.
	Remedy:	Additional Remote Destination can be added using the DualMode device as the Remote Destination Template (fkDevice_RemoteDestinationTemplate)

Rule (RI-406):	Type:	Validation (Insert/Update)
	Rule Name:	Remote Destinations Device validation
	Description:	RemoteDestination can be associated with a Remote Destination Profile, or a Dual-mode Phone, or a MobileSmartClient, or a Dual-mode with Smart Client in which case the fkdevices are referencing the same device. Except for the last case, only one device reference is allowed. EndUser associated with these devices or remote destination template should be Mobility Enabled.
	Test Condition:	Check description for complete rule. ON INSERT INTO RemoteDestination: SELECT fkenduser_mobility INTO theEndUser FROM device WHERE pkid = NVL (new_fkdevice_remotedestinationtemplate, new_fkdevice_dualmode); SELECT EnableMobility INTO mobility FROM enduser WHERE pkid = theEndUser; IF (mobility = 'F') THEN throw exception END IF;
	Error Message:	Cannot create RemoteDestination for EndUser that does not have Mobility enabled.
	Remedy:	Enable Mobility on the EndUser associated with the Dual-mode phone or Remote Destination Template and try again.
Rule (RI-409):	Type:	Validation (Insert)
	Rule Name:	EndUser.RemoteDestinationLimit enforced on Remote Destination insert
	Description:	The number of Remote Destinations for an EndUser is limited to the count specified in the EndUser.RemoteDestinationLimit
	Test Condition:	ON INSERT INTO RemoteDestination: SELECT fkenduser_mobility INTO theEndUser FROM device WHERE pkid = NVL(new_fkdevice_remotedestinationtemplate, new_fkdevice_dualmode); SELECT remotedestinationlimit INTO theLimit FROM enduser WHERE pkid = theEndUser; SELECT COUNT(*) INTO nRows FROM remotedestination rd INNER JOIN Device d ON (d.pkid = rd.fkdevice_remotedestinationtemplate) OR (d.pkid = rd. fkdevice_dualmode) WHERE d.fkenduser_mobility = theEndUser; IF (nRows > theLimit) THEN throw exception END IF;
	Error Message:	Cannot insert new RemoteDestination - limit set by administrator for this EndUser has already been reached.
	Remedy:	Increase the Remote Destination Limit for the mobility EndUser, or remove an existing Remote Destination, and try again.

2.3.186.6 fkdevice_mobilesmartclient (FI-3698)

Type:	guid (Cascade Delete, Null OK)
Default Value:	NULL
Remarks:	Mobile Smart Client associated with the Remote Destination or Dual-mode phone

Rule (RI-385):	Type:	Active (Insert/Update)
	Rule Name:	Dual Mode Remote Destination is Mobile Phone by Default
	Description:	A Dual Mode remote destination is marked as a mobile phone by default
	Test Condition:	ON INSERT INTO RemoteDestination:
Rule (RI-406):	Type:	Validation (Insert/Update) This field is modified by this rule.
	Rule Name:	Remote Destinations Device validation
	Description:	RemoteDestination can be associated with a Remote Destination Profile, or a Dual-mode Phone, or a MobileSmartClient, or a Dual-mode with Smart Client in which case the fkdevices are referencing the same device. Except for the last case, only one device reference is allowed. EndUser associated with these devices or remote destination template should be Mobility Enabled.
	Test Condition:	Check description for complete rule. ON INSERT INTO RemoteDestination: SELECT fkenduser_mobility INTO theEndUser FROM device WHERE pkid = NVL (new_fkdevice_remotedestinationtemplate, new_fkdevice_dualmode); SELECT EnableMobility INTO mobility FROM enduser WHERE pkid = theEndUser; IF (mobility = 'F') THEN throw exception END IF;
	Error Message:	Cannot create RemoteDestination for EndUser that does not have Mobility enabled.
	Remedy:	Enable Mobility on the EndUser associated with the Dual-mode phone or Remote Destination Template and try again.
Rule (RI-406):	Type:	Validation (Insert/Update)
	Rule Name:	Remote Destinations Device validation
	Description:	RemoteDestination can be associated with a Remote Destination Profile, or a Dual-mode Phone, or a MobileSmartClient, or a Dual-mode with Smart Client in which case the fkdevices are referencing the same device. Except for the last case, only one device reference is allowed. EndUser associated with these devices or remote destination template should be Mobility Enabled.
	Test Condition:	Check description for complete rule. ON INSERT INTO RemoteDestination: SELECT fkenduser_mobility INTO theEndUser FROM device WHERE pkid = NVL (new_fkdevice_remotedestinationtemplate, new_fkdevice_dualmode); SELECT EnableMobility INTO mobility FROM enduser WHERE pkid = theEndUser; IF (mobility = 'F') THEN throw exception END IF;
	Error Message:	Cannot create RemoteDestination for EndUser that does not have Mobility enabled.

	Remedy:	Enable Mobility on the EndUser associated with the Dual-mode phone or Remote Destination Template and try again.
Rule (RI-460):	Type:	Validation (Insert/Update)
	Rule Name:	RemoteDestination.tkClientAppModel Restriction
	Description:	The count of tkClientAppModel == CLIENT_APP_MODEL_ CUMC_CLIENT must be no greater than 1 for all the remote destinations having the same fkDevice_RemoteDestinationProfile
	Test Condition:	On Insert or Update remote destination profile, select count(*) from remotedestination where ((fkdevice_RemoteDestinationTemplate is NULL and fkdevice_DualMode= @fkdevice_DualMode) or (fkdevice_RemoteDestinationTemplate is NOT NULL and fkdevice_RemoteDestinationTemplate=@fkdevice_RemoteDestinationTemplate)) and (tkclientappmodel = 2) >1
	Error Message:	Cannot have more than one CUMA client per Remote Destination Profile or Dual-Mode device
Rule (RI-483):	Type:	Validation (Insert/Update)
	Rule Name:	RemoteDestination Smart Client Device Validation
	Description:	RemoteDestination.fkDevice_MobileSmartClient must reference a device that is a Mobile Smart Client (device.fkMobileSmartClientProfile is not null).
	Test Condition:	ON INSERT/UPDATE IN RemoteDestination: IF (new_fkDevice_MobileSmartClient IS NOT NULL) THEN SELECT fkMobileSmartClientProfile INTO profile FROM Device WHERE pkid = new_fkDevice_MobileSmartClient; IF (profile IS NULL) THEN throw exception; END IF;
	Error Message:	Mobile Smart Client for a Remote Destination must be a device with Mobile Smart Client Enabled.
	Remedy:	Check the device used for RemoteDestination.fkDevice_MobileSmartClient and try again

2.3.186.7 fkdevice_remotedestinationtemplate (FI-3380)

Type:	guid (Cascade Delete, Not Modifiable, Null OK)
Default Value:	NULL
Remarks:	Remote Destination Template

Rule (RI-392):	Type:	Validation (Insert/Update)
	Rule Name:	Remote Destination fkDevice_RemoteDestinationTemplate reference
	Description:	RemoteDestination.fkDevice_RemoteDestinationTemplate must reference a device that is either a Remote Destionation Template or a Dual-Mode phone.
	Test Condition:	ON INSERT INTO RemoteDestination: IF (RemoteDestination. fkDevice_RemoteDestinationTemplate IS NOT NULL) THEN SELECT tkClass, isDualMode INTO theClass, dualMode FROM Device WHERE pkid = new_fkDevice_RemoteDestinationTemplate; IF (theClass <> CLASS_REMOTE_DESTINATION_TEMPLATE) AND (dualMode <> 'T') THEN throw exception; END IF; END IF;
	Error Message:	Remote Destination must reference a Remote Destionation Template or Dual Mode device
	Remedy:	Check the type of device specified in fkDevice_RemoteDestinationTemplate.
Rule (RI-406):	Type:	Validation (Insert/Update)
	Rule Name:	Remote Destinations Device validation
	Description:	RemoteDestination can be associated with a Remote Destination Profile, or a Dual-mode Phone, or a MobileSmartClient, or a Dual-mode with Smart Client in which case the fkdevices are referencing the same device. Except for the last case, only one device reference is allowed. EndUser associated with these devices or remote destination template should be Mobility Enabled.
	Test Condition:	Check description for complete rule. ON INSERT INTO RemoteDestination: SELECT fkenduser_mobility INTO theEndUser FROM device WHERE pkid = NVL (new_fkdevice_remotedestinationtemplate, new_fkdevice_dualmode); SELECT EnableMobility INTO mobility FROM enduser WHERE pkid = theEndUser; IF (mobility = 'F') THEN throw exception END IF;
	Error Message:	Cannot create RemoteDestination for EndUser that does not have Mobility enabled.
	Remedy:	Enable Mobility on the EndUser associated with the Dual-mode phone or Remote Destination Template and try again.

Rule (RI-409):	Type:	Validation (Insert)
	Rule Name:	EndUser.RemoteDestinationLimit enforced on Remote Destination insert
	Description:	The number of Remote Destinations for an EndUser is limited to the count specified in the EndUser.RemoteDestinationLimit
	Test Condition:	ON INSERT INTO RemoteDestination: SELECT fkenduser_mobility INTO theEndUser FROM device WHERE pkid = NVL(new_fkdevice_remotedestinationtemplate, new_fkdevice_dualmode); SELECT remotedestinationlimit INTO theLimit FROM enduser WHERE pkid = theEndUser; SELECT COUNT(*) INTO nRows FROM remotedestination rd INNER JOIN Device d ON (d.pkid = rd.fkdevice_remotedestinationtemplate) OR (d.pkid = rd. fkdevice_dualmode) WHERE d.fkenduser_mobility = theEndUser; IF (nRows > theLimit) THEN throw exception END IF;
	Error Message:	Cannot insert new RemoteDestination - limit set by administrator for this EndUser has already been reached.
	Remedy:	Increase the Remote Destination Limit for the mobility EndUser, or remove an existing Remote Destination, and try again.

2.3.186.8 fktodaccess (FI-3559)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	References the Time of Day Access list settings for this Remote Destination.

Rule (RI-593):	Type:	Active (Delete)
	Rule Name:	Remove TODAccess when RemoteDestination is Deleted
	Description:	When the RemoteDestination is deleted from database then delete the Associated ToDAccess
	Test Condition:	ON DELETE in RemoteDestination: DELETE FROM TODAccess WHERE pkid = @fkTODAccess
Rule (RI-597):	Type:	Validation (Insert/Update)
	Rule Name:	RemoteDestination.fkToDAccess uniqueness
	Description:	RemoteDestination.fkToDAccess must be unique if not Null
	Test Condition:	On Insert or Update of RemoteDestination
	Error Message:	ToDAccess is not Unique for this RemoteDestination

2.3.186.9 ismobilephone (FI-3383)

Type:	bool
Default Value:	FALSE

	Remarks:	Indicates a remote destination is a mobile phone	
	Rule (RI-385):	Type:	Active (Insert/Update) This field is modified by this rule.
		Rule Name:	Dual Mode Remote Destination is Mobile Phone by Default
		Description:	A Dual Mode remote destination is marked as a mobile phone by default
		Test Condition:	ON INSERT INTO RemoteDestination:
	Rule (RI-385):	Type:	Active (Insert/Update)
		Rule Name:	Dual Mode Remote Destination is Mobile Phone by Default
		Description:	A Dual Mode remote destination is marked as a mobile phone by default
		Test Condition:	ON INSERT INTO RemoteDestination:
	2.3.186.10 name (FI-3413)		
	Type:	string [200]	
	Default Value:	EMPTY	
	Validation:	^[^""%&\\<>]{0,50}$	
	Remarks:	User defined description for Remote Destination (e.g., My Cell Phone)	
	2.3.186.11 pkid (FI-3408)		
	Type:	guid (Unique, Indexed, Not Modifiable)	
	Default Value:	newid()	
	Remarks:	Unique ID to identify a record.	
	Rule (RI-462):	Type:	Active (Insert)
		Rule Name:	Insert Dynamic Records for RemoteDestination Table
		Description:	When a RemoteDestination record is inserted, insert records for EnableSingleNumberReach.
		Test Condition:	ON INSERT INTO RemoteDestination
	2.3.186.12 tktimezone (FI-3561)		
	Type:	enum	
	Default Value:	22	
	Remarks:	Local Time Zone of the Remote Destination.	
Uniqueness:	No multicolumn uniqueness constraints		

2.3.187 remotedestinationdynamic (TI-481)

Description:	Used to set Enable Single Number Reach from IVR Insert/Delete is not allowed.

Fields:

2.3.187.1 datetimestamp (FI-3585)

Type:	long (Not Modifiable)
Default Value:	0
Remarks:	Time value for last change (for replication conflict resolution)

2.3.187.2 enablesinglenumberreach (FI-3584)

Type:	bool
Default Value:	TRUE
Remarks:	Indicates whether or not a Remote Destination is active for Mobility (SNR) feature

2.3.187.3 fkremotedestination (FI-3583)

Type:	guid (Cascade Delete, Not Modifiable)

2.3.187.4 pkid (FI-3582)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Uniqueness:	No multicolumn uniqueness constraints

2.3.188 replicationdynamic (TI-482)

Description:	Realtime replication counter

Fields:		
	2.3.188.1 datetimestamp (FI-3588)	
	Type:	long
	Default Value:	0
	2.3.188.2 fkprocessnode (FI-3587)	
	Type:	guid (Unique, Indexed, Cascade Delete, Not Modifiable)
	2.3.188.3 pkid (FI-3586)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.189 resourceprioritydefaultnamespace (TI-472)

Description:	The Default Resource Priority Namespace for the system. One record only and must contain a Namespace if any are defined	
Fields:	**2.3.189.1 fkresourceprioritynamespace (FI-3503)**	
	Type:	guid (Null OK)
	Default Value:	NULL
	Remarks:	The Default Namespace for the system. If Namespaces are defined, then the default cannot be null
	Rule (RI-438):	Type: Validation (Update) Rule Name: ResourcePriorityDefaultNamespace.fkResourcePriorityNamespace not null Description: The value of ResourcePriorityDefaultNamespace.fkResourcePriorityNamespace cannot be NULL if there are ResourcePriorityNamespaces defined. Test Condition: ON UPDATE ResourcePriorityDefaultNamespace: IF (new_fkResourcePriorityNamespace IS NULL) AND (SELECT COUNT(*) FROM ResourcePriorityNameSpace > 1) THEN throw exception; END IF Error Message: Cannot remove ResourcePriorityDefaultNamespace (fkResourcePriorityNamespace = NULL) if there are namespaces defined Remedy: The default will be removed if all namespaces are deleted from the system.
	2.3.189.2 pkid (FI-3502)	

	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.190 resourceprioritynamespace (TI-469)

Description:	Defines a Resource Priority Namespace

Fields:

2.3.190.1 description (FI-3565)

Type:	string [100]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{0,100}$
Migration Source:	N/A
Remarks:	Description for Resource Priority Namespace.

2.3.190.2 name (FI-3495)

Type:	string [10] (Unique, Indexed)
Validation:	^[0-9a-zA-Z!%*_+`'~-]{1,10}$
Remarks:	Unique (case sensitive) identifier for a namespace

Rule (RI-436):

Type:	Validation (Insert/Update)
Rule Name:	ResourcePrirotyNamespace Name cannot be RFC4412 reserved name
Description:	Use of the following names reserved in RFC4412 is not allowed for Resource Priority Namespaces: WPS, ETS, Q735
Test Condition:	ON INSERT/UPDATE INTO ResourcePriorityNameSpace: IF (UPPER(new_Name) IN ('WPS', 'ETS', 'Q735')) THEN throw exception; END IF
Error Message:	Cannot use RFC4412 reserved names WPS, ETS, and Q735 for namespaces.
Remedy:	Use a different name and try again.

2.3.190.3 pkid (FI-3494)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

	Rule (RI-435):	Type:	Active (Insert)
		Rule Name:	ResourcePriorityNamespace limited to 100 records
		Description:	No more than 100 records can be added to the ResourcePriorityNamespace table (limit of 100 ResourcePriorityNamespaces).
		Test Condition:	ON INSERT INTO ResourcePriorityNameSpace: IF (SELECT COUNT(*) FROM ResourcePriorityNameSpace) > 100 THEN throw exception; END IF
		Error Message:	Cannot have more than 100 Resource Priority Namespaces
		Remedy:	Remove any unused namespaces and try again
	Rule (RI-437):	Type:	Active (Insert)
		Rule Name:	ResourcePriorityDefaultNamespace set to first inserted namespace
		Description:	When the first ResourcePriorityNamespace is inserted, it automatically becomes the ResourcePriorityDefaultNamespace
		Test Condition:	ON INSERT INTO ResourcePriorityNameSpace: IF (SELECT COUNT(*) FROM ResourcePriorityNameSpace) = 1 THEN UPDATE ResourcePriorityDefaultNamespace SET fkResourcePriorityNamespace = new_pkid); END IF
	Rule (RI-439):	Type:	Active (Delete)
		Rule Name:	Remove ResourcePriorityDefaultNamespace with last namespace
		Description:	If the last ResourcePriorityNamespace is deleted from the system, set the default to NULL
		Test Condition:	ON DELETE FROM ResourcePriorityNameSpace: IF (SELECT COUNT(*) FROM ResourcePriorityNameSpace) = 0 THEN UPDATE ResourcePriorityDefaultNamespace SET fkResourcePriorityNamespace = NULL); END IF
Uniqueness:	No multicolumn uniqueness constraints		

2.3.191 resourceprioritynamespacelist (TI-470)

Description:	Defines a List of Resource Priority Namespaces

Fields:		
	2.3.191.1 description (FI-3566)	
	Type:	string [100]
	Default Value:	EMPTY
	Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{0,100}$
	2.3.191.2 name (FI-3497)	
	Type:	string [50] (Unique, Indexed)
	Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{1,50}$
	Remarks:	Unique (case sensitive) identifier for a namespace list
	2.3.191.3 pkid (FI-3496)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.192 resourceprioritynamespacemap (TI-471)

Description:	Maps Resource Priority Namespaces to Resource Priority Namespace Lists (many-to-many)	
Fields:	**2.3.192.1 fkresourceprioritynamespace (FI-3500)**	
	Type:	guid (Cascade Delete)
	2.3.192.2 fkresourceprioritynamespacelist (FI-3499)	
	Type:	guid (Cascade Delete)
	2.3.192.3 index (FI-3501)	
	Type:	long
	Check Constraint:	Index >= 0
	Remarks:	Indicates relative priority of a namespace in the list. DO NOT use as an index as the values may not be sequential
	2.3.192.4 pkid (FI-3498)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.

Uniqueness:	index + fkresourceprioritynamespacelist is unique. (MFI-104) fkresourceprioritynamespacelist + fkresourceprioritynamespace is unique. (MFI-105)

2.3.193 routefilter (TI-106)

Description:	Route filter clauses for NumPlan records used by digit analysis

Fields:

2.3.193.1 clause (FI-696)

Type:	memo (Not Modifiable, Null OK)
Default Value:	NULL
Migration Source:	WhereClause:Statement
Remarks:	Trigger updated. Colon separated list.

2.3.193.2 dialplanwizardgenid (FI-681)

Type:	long (Indexed, Null OK)
Default Value:	NULL
Remarks:	This record created by DialPlanWizard

2.3.193.3 fkdialplan (FI-546)

Type:	guid
Migration Source:	id for NADP
Remarks:	Dial plan; for example, North American Numbering Plan.

2.3.193.4 name (FI-545)

Type:	string [50]
Validation:	^[a-zA-Z 0-9._-]{1,50}$
Migration Source:	WhereClause:Description
Remarks:	Unique name for Route Filter

2.3.193.5 pkid (FI-543)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	WhereClause:WhereID
Remarks:	Unique ID to identify a record.

2.3.193.6 resettoggle (FI-3086)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset

2.3.193.7 tkreset (FI-3087)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

Uniqueness: fkdialplan + name is unique. (MFI-25)

2.3.194 routefiltermember (TI-71)

Description: Used to create RouteFilter for NumPlan records used by digit analysis

Fields:

2.3.194.1 digits (FI-207)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[]0-9*#X[^+?-]{0,50}$
Migration Source:	WhereClauseDetail.Digits

2.3.194.2 fkdialplantag (FI-205)

Type:	guid
Migration Source:	WhereClauseDetail.Tag

2.3.194.3 fkroutefilter (FI-204)

Type:	guid (Indexed, Cascade Delete)
Migration Source:	Generated (was WhereClause.WhereID)

Rule (RI-319):

Type:	Active (Insert/Update/Delete records)
Rule Name:	Build RouteFilter Clause when members change
Description:	When records in RouteFilterMember change, rewrite the Clause field in the reference RouteFilter record.
Test Condition:	ON INSERT/UPDATE/DELETE IN RouteFilterMember

2.3.194.4 pkid (FI-555)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.194.5 precedence (FI-208)

Type:	long
Migration Source:	WhereClauseDetail.Precedence
Remarks:	There is no requirement for this index to be sequential nor to begin with a particular value in a Route Filter.

2.3.194.6 tkoperator (FI-206)

Type:	enum
Migration Source:	WhereClauseDetail.Operator

Uniqueness:	fkroutefilter + fkdialplantag + precedence is unique. (MFI-21)

2.3.195 routegroup (TI-33)

Description:	Dial Plan Route Groups

Fields:

2.3.195.1 dialplanwizardgenid (FI-682)

Type:	long (Indexed, Null OK)
Default Value:	NULL
Remarks:	This record created by DialPlanWizard

Rule (RI-446):

Type:	Active (Update/Delete)
Rule Name:	Update/Delete restriction for Standard Local Route Group of RouteGroup table
Description:	The Standard Local Route Group cannot be updated or deleted
Test Condition:	On UPDATE/DELETE of RouteGroup table
Error Message:	Cannot Delete/Modify the Standard Local Route Group

2.3.195.2 name (FI-195)

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,50}$
Migration Source:	RouteGroupName

Remarks:	Unique name for Route Group	
Rule (RI-446):	Type:	Active (Update/Delete)
	Rule Name:	Update/Delete restriction for Standard Local Route Group of RouteGroup table
	Description:	The Standard Local Route Group cannot be updated or deleted
	Test Condition:	On UPDATE/DELETE of RouteGroup table
	Error Message:	Cannot Delete/Modify the Standard Local Route Group

2.3.195.3 pkid (FI-194)

Type:	guid (Unique, Indexed, Not Modifiable)	
Default Value:	newid()	
Migration Source:	Generated	
Remarks:	Unique ID to identify a record.	
Rule (RI-446):	Type:	Active (Update/Delete)
	Rule Name:	Update/Delete restriction for Standard Local Route Group of RouteGroup table
	Description:	The Standard Local Route Group cannot be updated or deleted
	Test Condition:	On UPDATE/DELETE of RouteGroup table
	Error Message:	Cannot Delete/Modify the Standard Local Route Group

2.3.195.4 tkdistributealgorithm (FI-1266)

Type:	enum	
Default Value:	2	
Remarks:	Distribution algorithm for a route group. It could be Top Down, Circular (default) or Longest Idle Time.	
Rule (RI-178):	Type:	Validation (Insert/Update)
	Rule Name:	Distribution Algorithms for Route Groups
	Description:	Valid Distribution Algorithms for Route Groups (TypeGroup = 1) are defined by the mask value for each item in the TypeDistributeAlgorithm table. Only items where the mask value includes the group type (1) are allowed.
	Test Condition:	IF (@RouteGroup.tkDistributeAlgorithm NOT IN (SELECT Enum FROM TypeDistributeAlgorithm WHERE (MaskOR1 = TRUE))) THEN throw exception.
	Error Message:	The specified Distribution Algorithm is not valid for Route Groups.
	Remedy:	Use a Distribution Algorithm that is compatible with Route Groups and try again.

	Rule (RI-446):	Type:	Active (Update/Delete)
		Rule Name:	Update/Delete restriction for Standard Local Route Group of RouteGroup table
		Description:	The Standard Local Route Group cannot be updated or deleted
		Test Condition:	On UPDATE/DELETE of RouteGroup table
		Error Message:	Cannot Delete/Modify the Standard Local Route Group

2.3.195.5 tkqsig (FI-1906)

Type:	enum (Not Modifiable)
Default Value:	0
Migration Source:	Calulate this value from Device.tkQSIG
Remarks:	default is invalid until updated.

Rule (RI-446):	Type:	Active (Update/Delete)
	Rule Name:	Update/Delete restriction for Standard Local Route Group of RouteGroup table
	Description:	The Standard Local Route Group cannot be updated or deleted
	Test Condition:	On UPDATE/DELETE of RouteGroup table
	Error Message:	Cannot Delete/Modify the Standard Local Route Group

Uniqueness:	No multicolumn uniqueness constraints

2.3.196 routegroupdevicemap (TI-108)

Description:	Maps multiple Devices to be in a Route Group.

Fields:

2.3.196.1 deviceselectionorder (FI-198)

Type:	long
Migration Source:	DeviceSelectionOrder
Remarks:	This ordering within the route group does not have to be sequential. There can be gaps.

2.3.196.2 dialplanwizardgenid (FI-683)

Type:	long (Indexed, Null OK)
Default Value:	NULL
Remarks:	This record created by DialPlanWizard

2.3.196.3 fkdevice (FI-196)

Type:	guid (Cascade Delete)	
Migration Source:	indirect from DeviceName	
Rule (RI-134):	Type:	Validation (Insert/Update)
	Rule Name:	Devices for Route Groups
	Description:	Valid items for Route Groups are devices and ports where devices are Gateways and Trunks not already in a Route Group, individual Gateway Ports where the Gateway (all ports) or the individual port is not already in a Route Group.
	Test Condition:	IF (SELECT COUNT(*) FROM RouteGroupDeviceMap WHERE fkDevice = @RouteGroupDeviceMap.fkDevice AND Port = @RouteGroupDeviceMap.port) > 1 THEN throw exception
	Error Message:	The selected device or port is already associated with a Route Group and cannot be added to another Route Group.
	Remedy:	Remove the device or individual port from any associated Route Groups and try again.
Rule (RI-136):	Type:	Validation (Insert/Update)
	Rule Name:	Device in Route Group or Route Pattern
	Description:	Gateways and Trunks must not be in Route Groups if they are already associated with a Route Pattern, or in the case of FXS ports associated with a DN.
	Test Condition:	IF (SELECT COUNT(*) FROM RouteGroupDeviceMap WHERE fkDevice = @RouteGroupDeviceMap.fkDevice AND Port = @RouteGroupDeviceMap.port) > 0) AND (SELECT COUNT(*) FROM DeviceNumPlanMap WHERE fkDevice = @DeviceNumPlanMap. fkDevice AND NumPlanIndex = @RouteGroupDeviceMap.Port) > 0) THEN throw exception
	Error Message:	The selected device or part is already associated with a Route Pattern and cannot be added to a Route Group.
	Remedy:	Remove the device or individual port from any associated Route Patterns and try again.
Rule (RI-137):	Type:	Documentation (Developer notes only)
	Rule Name:	UI for Route Group - All Ports
	Description:	If individual ports of a gateway are all assigned to the same Route Group, the UI should allow the user to switch to All Ports without manually removing all the individual ports from the Route Group member list.
	Test Condition:	Individual ports of gateway assigned to a single Route Group.

2.3.196.4 fkroutegroup (FI-558)

Type:	guid (Indexed, Cascade Delete)
Check Constraint:	fkRouteGroup != '00000000-1111-0000-0000-000000000000'
Migration Source:	RouteGroup:Name is now unique. New table for mapping devices.
Rule (RI-38):	Type: Active (Insert/Update/Delete records) Rule Name: Set QSIG on Route Group Description: The QSIG setting for a Route Group is determined by the composition of the Group. QSIG and H.323 devices cannot be added to the same Route Group. Devices that are neither QSIG nor H.323 can be mixed with either type in a Route Group. The QSIG setting for a group is determined as follows: A group containing only QSIG devices is ALL_PRI_QSIG, a group containing only H.323 devices is H323. A group containing neither H.323 devices nor PRI QSIG devices is MIXED_NONQSIG. If a MIXED_NONQSIG device is combined with a QSIG device, the result is a MISCIBLE_MIX Route Group. If a MIXED_NONQSIG device is combined with a H323 device, the result is a H323 Route Group. Test Condition: On Insert into or Delete from RouteGroupDeviceMap table

2.3.196.5 pkid (FI-588)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.196.6 port (FI-197)

Type:	long
Migration Source:	Port
Remarks:	Port 0 means all ports of the fkDevice.
Rule (RI-135):	Type: Validation (Insert/Update) Rule Name: All Ports of Gateway in Route Group Description: A gateway may be assigned to a Route Group as a whole or as individual ports, but not both. If the whole gateway is assigned to a Route Group, individual ports may not be assigned to Route Groups. If individual ports are assigned to Route Groups, the whole gateway cannot also be assigned to a Route Group. Individual ports may be assigned to different Route Groups. Test Condition: IF (SELECT COUNT(*) FROM RouteGroupDeviceMap WHERE fkDevice = @Device.pkid AND Port = 0) AND (SELECT COUNT(*) FROM RouteGroupDeviceMap WHERE fkDevice = @Device.pkid AND Port > 0) THEN throw exception

		Error Message:	Cannot assign a gateway (all ports) and individual ports from the same gateway to Route Groups.
		Remedy:	Assign only the entire gateway (all ports) or individual ports to Route Groups.
Uniqueness:	fkdevice + port + fkroutegroup is unique. (MFI-12) fkroutegroup + deviceselectionorder is unique. (MFI-47)		
Rules:	Rule (RI-38):	Type:	Active (Insert/Update/Delete records) Rule applied when record is inserted or updated or deleted.
		Rule Name:	Set QSIG on Route Group
		Description:	The QSIG setting for a Route Group is determined by the composition of the Group. QSIG and H.323 devices cannot be added to the same Route Group. Devices that are neither QSIG nor H.323 can be mixed with either type in a Route Group. The QSIG setting for a group is determined as follows: A group containing only QSIG devices is ALL_PRI_QSIG, a group containing only H.323 devices is H323. A group containing neither H.323 devices nor PRI QSIG devices is MIXED_NONQSIG. If a MIXED_NONQSIG device is combined with a QSIG device, the result is a MISCIBLE_MIX Route Group. If a MIXED_NONQSIG device is combined with a H323 device, the result is a H323 Route Group.
		Test Condition:	On Insert into or Delete from RouteGroupDeviceMap table

2.3.197 routelist (TI-34)

Description:	Dial Plan Route Lists used by Route Groups and Line Groups. A bettern name for this table would be DeviceRouteLineGroupMap, since these records are a many-to-many relationship between device recordes that are of model Route List and Route/Line groups.
Fields:	**2.3.197.1 calledpartytransformationmask (FI-464)**

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$
Migration Source:	NULL
Remarks:	A transform

Rule (RFI-86):	Type:	Inter-field Condition and Constraint
	Test Condition:	fkRouteGroup IS NULL
	Constraint:	CalledPartyTransformationMask IS NULL
	Null Allowed:	null
	Remarks:	CalledPartyTransformationMask is set only for Route Group

2.3.197.2 callingpartyprefixdigits (FI-975)

Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL
Validation:	^[0-9*#+]{0,50}$
Migration Source:	CallingPartyPrefixDigits
Remarks:	A transform - similar to PrefixDigitsOut

Rule (RFI-87):	Type:	Inter-field Condition and Constraint
	Test Condition:	fkRouteGroup IS NULL
	Constraint:	CallingPartyPrefixDigits IS NULL
	Null Allowed:	null
	Remarks:	CallingPartyPrefixDigits is set only for Route Group

2.3.197.3 callingpartytransformationmask (FI-560)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$
Migration Source:	NULL
Remarks:	A transform

Rule (RFI-88):	Type:	Inter-field Condition and Constraint
	Test Condition:	fkRouteGroup IS NULL
	Constraint:	CallingPartyTransformationMask IS NULL
	Null Allowed:	null
	Remarks:	CallingPartyTransformationMask is set only for Route Group

2.3.197.4 dialplanwizardgenid (FI-679)

Type:	long (Indexed, Null OK)
Default Value:	NULL
Remarks:	This record created by DialPlanWizard

2.3.197.5 fkcallingsearchspace (FI-465)

Type:	guid (Null OK)	
Default Value:	NULL	
Migration Source:	NULL	
Rule (RFI-89):	Type:	Inter-field Condition and Constraint
	Test Condition:	fkRouteGroup IS NULL
	Constraint:	fkCallingSearchSpace IS NULL
	Null Allowed:	null
	Remarks:	CallingSearchSpace is required only for Route Group

2.3.197.6 fkdevice (FI-201)

Type:	guid (Indexed, Cascade Delete)
Migration Source:	RoutePointName conversion

Rule (RI-39):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Set QSIG on Route List
	Description:	A Route List is a special class of device that contains Route Groups. The QSIG setting for a Route List is determined by the composition of the Route Groups it contains (which is determined by the devices the Route Group contains). ALL_PRI_QSIG Route Groups cannot be combined with H323 Route Groups. A Route List containing only ALL_PRI_QSIG Route Groups is ALL_PRI_QSIG. A Route List containing a mix of ALL_PRI_QSIG and other types of Route Groups (except H323) is a MISCIBLE_MIX. Any Route List containing at least one H323 Route Group is a H323 Route List. (To be continued)
	Test Condition:	On Insert into, Update, or Delete from RouteList table (add, modify, or remove Route List member records).
Rule (RI-138):	Type:	Validation (Insert/Update)
	Rule Name:	Route List Device
	Description:	RouteList records for Route Groups must reference a device where the product is a Route List.
	Test Condition:	RouteList.fkRouteGroup NOT NULL AND RouteList.fkDevice IN (SELECT pkid FROM Device where tkProduct = 37)
	Error Message:	RouteList records for Route Groups may only reference Route List devices.
	Remedy:	Correct the fkDevice value to refer to a Route List device.
Rule (RI-143):	Type:	Validation (Insert/Update)
	Rule Name:	Hunt List Device
	Description:	RouteList records for Line Groups must reference a device where the product is a Hunt List.
	Test Condition:	RouteList.fkLineGroup NOT NULL AND RouteList.fkDevice IN (SELECT pkid FROM Device where tkProduct = 110)
	Error Message:	RouteList records for Line Groups may only reference Hunt List devices.
	Remedy:	Correct the fkDevice value to refer to a Hunt List device.

2.3.197.7 fkdigitdiscardinstruction (FI-463)

Type:	guid (Null OK)
Default Value:	NULL
Migration Source:	set to discard no digits
Remarks:	A transform

Rule (RFI-90):	Type:	Inter-field Condition and Constraint
	Test Condition:	fkRouteGroup IS NULL
	Constraint:	fkDigitDiscardInstruction IS NULL
	Null Allowed:	null
	Remarks:	DigitDiscardInstruction is required only for Route Group

2.3.197.8 fklinegroup (FI-1307)

Type:	guid (Cascade Delete, Null OK)
Default Value:	NULL

Rule (RI-142):	Type:	Validation (Insert/Update)
	Rule Name:	Line Group in Route List only Once
	Description:	A Line Group may only appear once in a specific Route List (but the Line Group may be in multiple Route Lists).
	Test Condition:	IF (@RouteList.fkLineGroup IS NOT NULL) AND (SELECT COUNT(*) FROM RouteList WHERE (fkDevice = @RouteList.fkDevice) AND (fkLineGroup = RouteList.fkLineGroup) > 1) THEN throw exception
	Error Message:	The specified Line Group is already a member of this Route List and cannot be added again.
	Remedy:	Check the Line Group and Route List and try again.

Rule (RI-143):	Type:	Validation (Insert/Update)
	Rule Name:	Hunt List Device
	Description:	RouteList records for Line Groups must reference a device where the product is a Hunt List.
	Test Condition:	RouteList.fkLineGroup NOT NULL AND RouteList.fkDevice IN (SELECT pkid FROM Device where tkProduct = 110)
	Error Message:	RouteList records for Line Groups may only reference Hunt List devices.
	Remedy:	Correct the fkDevice value to refer to a Hunt List device.

2.3.197.9 fkroutegroup (FI-202)

Type:	guid (Cascade Delete, Null OK)
Default Value:	NULL
Migration Source:	convert from RouteGroupName

Rule (RI-39):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Set QSIG on Route List
	Description:	A Route List is a special class of device that contains Route Groups. The QSIG setting for a Route List is determined by the composition of the Route Groups it contains (which is determined by the devices the Route Group contains). ALL_PRI_QSIG Route Groups cannot be combined with H323 Route Groups. A Route List containing only ALL_PRI_QSIG Route Groups is ALL_PRI_QSIG. A Route List containing a mix of ALL_PRI_QSIG and other types of Route Groups (except H323) is a MISCIBLE_MIX. Any Route List containing at least one H323 Route Group is a H323 Route List. (To be continued)
	Test Condition:	On Insert into, Update, or Delete from RouteList table (add, modify, or remove Route List member records).
Rule (RI-138):	Type:	Validation (Insert/Update)
	Rule Name:	Route List Device
	Description:	RouteList records for Route Groups must reference a device where the product is a Route List.
	Test Condition:	RouteList.fkRouteGroup NOT NULL AND RouteList.fkDevice IN (SELECT pkid FROM Device where tkProduct = 37)
	Error Message:	RouteList records for Route Groups may only reference Route List devices.
	Remedy:	Correct the fkDevice value to refer to a Route List device.
Rule (RI-141):	Type:	Validation (Insert/Update)
	Rule Name:	Route Group in Route List only Once
	Description:	A Route Group may only appear once in a specific Route List (but the Route Group may be in multiple Route Lists).
	Test Condition:	IF (@RouteList.fkRouteGroup IS NOT NULL) AND (SELECT COUNT(*) FROM RouteList WHERE (fkDevice = @RouteList.fkDevice) AND (fkRouteGroup = RouteList.fkRouteGroup) > 1) THEN throw exception
	Error Message:	The specified Route Group is already a member of this Route List and cannot be added again.
	Remedy:	Check the Route Group and Route List and try again.

2.3.197.10 pkid (FI-200)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated

Remarks:	Unique ID to identify a record.

2.3.197.11 prefixdigitsout (FI-466)

Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL
Validation:	^[0-9*#+]{0,50}$
Migration Source:	NULL
Remarks:	A transform
Rule (RFI-91):	Type: Inter-field Condition and Constraint Test Condition: fkRouteGroup IS NULL Constraint: PrefixDigitsOut IS NULL Null Allowed: null Remarks: PrefixDigitsOut is set only for Route Group

2.3.197.12 selectionorder (FI-203)

Type:	long
Migration Source:	RouteGroupSelectionOrder
Remarks:	There is no requirment for this index to be sequential nor for this value to start at any particular value per Route List.

2.3.197.13 tknumberingplan_called (FI-3579)

Type:	enum
Default Value:	0
Remarks:	Values are based on TypeNumberingPlan

2.3.197.14 tknumberingplan_calling (FI-3578)

Type:	enum
Default Value:	0
Remarks:	Values based on TypeNumberingPlan

2.3.197.15 tkpriofnumber_called (FI-3581)

Type:	enum
Default Value:	0

	Remarks:	Values are based on TypePriOfNumber
	2.3.197.16 tkpriofnumber_calling (FI-3580)	
	Type:	enum
	Default Value:	0
	Remarks:	Values based on TypePriOfNumber
	2.3.197.17 tkstatus_usefullyqualcallingpartynum (FI-633)	
	Type:	enum
	Default Value:	2
	Rule (RFI-92):	Type: Inter-field Condition and Constraint Test Condition: fkRouteGroup IS NULL Constraint: tkStatus_useFullyQualCallingPartyNum = 2 Null Allowed: null Remarks: Status_useFullyQualCallingPartyNum is Default 2 only for Route Group
Uniqueness:	fkdevice + selectionorder is unique. (MFI-13) fkdevice + fkroutegroup + fklinegroup is unique. (MFI-18)	
Constraints:	Rule (RFI-122):	Type: Inter-field Condition and Constraint Constraint: ((fkRouteGroup is not null) OR (fkLineGroup is not null)) AND ((fkRouteGroup is null) OR (fkLineGroup is null)) Remarks: RouteList must have a RouteGroup or a LineGroup, but not both.
Rules:	Rule (RI-39):	Type: Active (Insert/Update/Delete records) Rule applied when record is inserted or updated or deleted. Rule Name: Set QSIG on Route List Description: A Route List is a special class of device that contains Route Groups. The QSIG setting for a Route List is determined by the composition of the Route Groups it contains (which is determined by the devices the Route Group contains). ALL_PRI_QSIG Route Groups cannot be combined with H323 Route Groups. A Route List containing only ALL_PRI_QSIG Route Groups is ALL_PRI_QSIG. A Route List containing a mix of ALL_PRI_QSIG and other types of Route Groups (except H323) is a MISCIBLE_MIX. Any Route List containing at least one H323 Route Group is a H323 Route List. (To be continued)

Test Condition:	On Insert into, Update, or Delete from RouteList table (add, modify, or remove Route List member records).

2.3.198 routepartition (TI-75)

Description: Lists partitions for NumPlan

Fields:

2.3.198.1 description (FI-140)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[a-zA-Z0-9 !#$'()*+,./:;=?@\^_`{\|}~-]{0,50}$
Migration Source:	new
Remarks:	A partition is a collection of numbers

2.3.198.2 dialplanwizardgenid (FI-675)

Type:	long (Indexed, Null OK)
Default Value:	NULL
Remarks:	This record created by DialPlanWizard

2.3.198.3 fktimeschedule (FI-2335)

Type:	guid (Null OK)
Default Value:	NULL

2.3.198.4 name (FI-139)

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9_-]{1,50}$
Migration Source:	new

Rule (RI-7):

Type:	Active (Insert/Update/Delete records)
Rule Name:	CSS Clause Update on Route Partition Name Update
Description:	If the name of a Route Partition changes, any CSS Clause containing that partition must be updated to reflect the new name
Test Condition:	RoutePartition.Name changes

Rule (RI-7):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	CSS Clause Update on Route Partition Name Update
	Description:	If the name of a Route Partition changes, any CSS Clause containing that partition must be updated to reflect the new name
	Test Condition:	RoutePartition.Name changes
Rule (RI-244):	Type:	Active (Update)
	Rule Name:	rpBuildCSSClause
	Description:	On update of routepartition rebuild the css clause for that partition.
	Test Condition:	?
	Error Message:	?
	Remedy:	?

2.3.198.5 pkid (FI-138)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

Rule (RI-7):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	CSS Clause Update on Route Partition Name Update
	Description:	If the name of a Route Partition changes, any CSS Clause containing that partition must be updated to reflect the new name
	Test Condition:	RoutePartition.Name changes
Rule (RI-244):	Type:	Active (Update)
	Rule Name:	rpBuildCSSClause
	Description:	On update of routepartition rebuild the css clause for that partition.
	Test Condition:	?
	Error Message:	?
	Remedy:	?

2.3.198.6 resettoggle (FI-3088)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset

2.3.198.7 tkpartitionusage (FI-3251)

Type:	enum (Not Modifiable)
Default Value:	99
Remarks:	Defines use of partition (Intercom or other)

2.3.198.8 tkreset (FI-3089)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.198.9 tktimezone (FI-2336)

Type:	enum
Default Value:	22

2.3.198.10 useoriginatingdevicetimezone (FI-2337)

Type:	bool
Default Value:	TRUE

Uniqueness:	No multicolumn uniqueness constraints

2.3.199 rtmtprofile (TI-413)

Description:	Stores the Real Time Monitoring tools profile

Fields:	**2.3.199.1 content (FI-3068)**	
	Type:	string [32000]
	Default Value:	EMPTY
	Remarks:	Split content of the profile
	2.3.199.2 index (FI-3067)	
	Type:	long
	Default Value:	1
	Remarks:	Index of the split profiles starting at 1
	2.3.199.3 name (FI-3066)	
	Type:	string [100] (Indexed)
	Remarks:	Name of the Real Time Monitor Profile
	2.3.199.4 pkid (FI-3069)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
Uniqueness:	name + index is unique. (MFI-95)	

2.3.200 scratch (TI-116)

Description:	blob used for anything including device specific information, service parameter specification, dependancy results, etc. Some records are temporary, some need to persist.	
Fields:	**2.3.200.1 content (FI-645)**	
	Type:	text (Null OK)
	Default Value:	NULL
	2.3.200.2 name (FI-643)	
	Type:	string [255] (Indexed)
	2.3.200.3 pkid (FI-642)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()

	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.200.4 readonly (FI-908)	
	Type:	bool
	Default Value:	FALSE
Uniqueness:	No multicolumn uniqueness constraints	

2.3.201 secureconfig (TI-474)

Description:	Read-only System Level configuration Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.201.1 name (FI-3533)**	
	Type:	string [50] (Unique, Indexed, Not Modifiable)
	Remarks:	Unique name to identify the configuration property
	2.3.201.2 pkid (FI-3532)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.201.3 value (FI-3534)	
	Type:	string [255] (Not Modifiable, Null OK)
	Default Value:	NULL
	Remarks:	The value for the configuration property, stored as a string
Uniqueness:	No multicolumn uniqueness constraints	

2.3.202 securityprofile (TI-314)

Description:	Different Security profiles in Call Manager

Fields:

2.3.202.1 aclallowreplace (FI-2589)	
Type:	bool
Default Value:	FALSE
Remarks:	Whether SIP header replacement allowed
2.3.202.2 acloobsubscription (FI-2420)	
Type:	bool
Default Value:	FALSE
Remarks:	Whether OOB Subscription Allowed (Obsolete)
2.3.202.3 acloodrefer (FI-2419)	
Type:	bool
Default Value:	FALSE
Remarks:	Whether out of dialog refer allowed
2.3.202.4 aclpresencesubscription (FI-2418)	
Type:	bool
Default Value:	FALSE
Remarks:	Whether presence subsription allowed
2.3.202.5 aclunsolicitednotification (FI-2421)	
Type:	bool
Default Value:	FALSE
Remarks:	Whether unsolicitated subscription allowed
2.3.202.6 applevelauth (FI-2423)	
Type:	bool
Default Value:	FALSE
2.3.202.7 description (FI-2343)	
Type:	string [100] (Null OK)
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,100}$
Remarks:	Description of the Security Profile
2.3.202.8 digestauthall (FI-2416)	

Type:	bool
Default Value:	FALSE
Remarks:	Whether to authenicate ALL messages
Rule (RI-341):	Type: Validation (Insert/Update) Rule Name: Prevent mismatch values in boolean fields Description: on I/U of SecurityProfile Test Condition: validate correct boolean values

2.3.202.9 excludedigestcredflag (FI-3151)

Type:	bool
Default Value:	FALSE
Remarks:	Exclude Digest Credentials Flag
Rule (RI-341):	Type: Validation (Insert/Update) Rule Name: Prevent mismatch values in boolean fields Description: on I/U of SecurityProfile Test Condition: validate correct boolean values

2.3.202.10 incomingport (FI-1313)

Type:	long
Default Value:	5060
Check Constraint:	(incomingPort >= 0) AND (incomingPort <= 65535)
Remarks:	Used for receiving UDP/TCP messages
Rule (RI-318):	Type: Active (Insert/Update) Rule Name: Prevent port sharing between TLS and UDP/TCP Description: on I/U of SecurityProfile Test Condition: Port values must differ

Rule (RI-332):	Type:	Active (Insert/Update)
	Rule Name:	Prevent port conflict between CCMs and SIP Tunk Security Profiles
	Description:	on I/U of SecurityProfile and CCM
	Test Condition:	prevent bad port combinations

2.3.202.11 isstandard (FI-2409)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Whether it is a standard security policy

2.3.202.12 name (FI-2342)	
Type:	string [65] (Unique, Indexed)
Validation:	^[a-zA-Z 0-9._-]{1,65}$
Remarks:	Name of the Security Profile

2.3.202.13 noncepolicytime (FI-2417)	
Type:	long
Default Value:	600
Remarks:	Time in secs

2.3.202.14 pkid (FI-2341)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Rule (RI-275):	Type:	Active (Insert/Update)
	Rule Name:	securityprofile versionstamp
	Description:	on change to anything in securityprofile table, update device versionstamp
	Test Condition:	update device

Rule (RI-434):	Type:	Validation (Insert/Update)
	Rule Name:	Security Profile cannot be made less secure if any STRP Allowed Device is using it.
	Description:	If STRPAllowed on any devices used by the Security Profile it must be Encrypted and TLS
	Test Condition:	ON INSERT
	Error Message:	If SIP Trunk is set to STRPAllowed then Security Profile must be TLS and Encrypted
	Remedy:	Turn of SRTPAllowed on SIP Trunks using this profile to make it less secure
Rule (RI-472):	Type:	Validation (Insert/Update)
	Rule Name:	Security Profile must be secure for Protected device (secure tone)
	Description:	Security Profile used with Protected device must be secure (encrypted)
	Test Condition:	ON INSERT/UPDATE IN Device, SecurityProfile:
	Error Message:	Security Profiles used with Protected phones (Device.IsProtected = True) must use encryption
	Remedy:	Make sure the Security Profile uses Encryption, or disable Secure Tone on the phone

2.3.202.15 resettoggle (FI-3100)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset

Rule (RI-275):	Type:	Active (Insert/Update)
	Rule Name:	securityprofile versionstamp
	Description:	on change to anything in securityprofile table, update device versionstamp
	Test Condition:	update device

2.3.202.16 tftpencryptedflag (FI-3150)

Type:	bool
Default Value:	FALSE
Remarks:	TFTP Encrypted Flag

Rule (RI-341):	Type:	Validation (Insert/Update)
	Rule Name:	Prevent mismatch values in boolean fields
	Description:	on I/U of SecurityProfile
	Test Condition:	validate correct boolean values

2.3.202.17 tkauthenticationmode (FI-2585)

Type:	enum
Default Value:	2

2.3.202.18 tkdeviceprotocol (FI-3149)

Type:	enum (Null OK)	
Migration Source:	DeviceList.Protocol	
Rule (RI-317):	Type:	Active (Insert/Update)
	Rule Name:	Prevent change of profile where phone does not support it
	Description:	on I/U of SecurityProfile
	Test Condition:	Check for phone support
Rule (RI-330):	Type:	Active (Insert/Update)
	Rule Name:	Prevent mismatch tktransport and tksecuritymode
	Description:	on I/U of SecurityProfile
	Test Condition:	prevent bad value combinations
Rule (RI-341):	Type:	Validation (Insert/Update)
	Rule Name:	Prevent mismatch values in boolean fields
	Description:	on I/U of SecurityProfile
	Test Condition:	validate correct boolean values

2.3.202.19 tkdevicesecuritymode (FI-2425)

Type:	enum (Null OK)

Rule (RI-317):	Type:	Active (Insert/Update)
	Rule Name:	Prevent change of profile where phone does not support it
	Description:	on I/U of SecurityProfile
	Test Condition:	Check for phone support
Rule (RI-330):	Type:	Active (Insert/Update)
	Rule Name:	Prevent mismatch tktransport and tksecuritymode
	Description:	on I/U of SecurityProfile
	Test Condition:	prevent bad value combinations
Rule (RI-434):	Type:	Validation (Insert/Update)
	Rule Name:	Security Profile cannot be made less secure if any STRP Allowed Device is using it.
	Description:	If STRPAllowed on any devices used by the Security Profile it must be Encrypted and TLS
	Test Condition:	ON INSERT
	Error Message:	If SIP Trunk is set to STRPAllowed then Security Profile must be TLS and Encrypted
	Remedy:	Turn of SRTPAllowed on SIP Trunks using this profile to make it less secure
Rule (RI-472):	Type:	Validation (Insert/Update)
	Rule Name:	Security Profile must be secure for Protected device (secure tone)
	Description:	Security Profile used with Protected device must be secure (encrypted)
	Test Condition:	ON INSERT/UPDATE IN Device, SecurityProfile:
	Error Message:	Security Profiles used with Protected phones (Device.IsProtected = True) must use encryption
	Remedy:	Make sure the Security Profile uses Encryption, or disable Secure Tone on the phone

Rule (RI-482):	Type:	Validation (Insert/Update)
	Rule Name:	CUMA Security Profile type and transport must match
	Description:	When tkSecurityPolicy=SECURITY_POLICY_CUMA_SERVER, it must be TCP_OR_UDP when tkDeviceSecurityMode = DEVICE_SECURITY_MODE_NONSECURE, and TRANSPORT_LAYER_SECURITY when tkDeviceSecurityMode != DEVICE_SECURITY_MODE_NONSECURE. When tkSecurityPolicy = SECURITY_POLICY_CUMA_SERVER, it must be TRANSMISSION_CONTROL_PROTOCOL or USER_DATAGRAM_PROTOCOL when tkDeviceSecurityMode = DEVICE_SECURITY_MODE_NONSECURE, and TRANSPORT_LAYER_SECURITY when tkDeviceSecurityMode != DEVICE_SECURITY_MODE_NONSECURE
	Test Condition:	On Insert/Update CUMA security profile

2.3.202.20 tkkeysize (FI-2465)

Type:	enum
Default Value:	2

2.3.202.21 tkmodel (FI-3148)

Type:	enum (Not Modifiable, Null OK)	
Migration Source:	DeviceList.Type	
Remarks:	Redundant. Use tkProduct to look up tkModel in TypeProduct table.	
Rule (RI-317):	Type:	Active (Insert/Update)
	Rule Name:	Prevent change of profile where phone does not support it
	Description:	on I/U of SecurityProfile
	Test Condition:	Check for phone support
Rule (RI-330):	Type:	Active (Insert/Update)
	Rule Name:	Prevent mismatch tktransport and tksecuritymode
	Description:	on I/U of SecurityProfile
	Test Condition:	prevent bad value combinations
Rule (RI-341):	Type:	Validation (Insert/Update)
	Rule Name:	Prevent mismatch values in boolean fields
	Description:	on I/U of SecurityProfile
	Test Condition:	validate correct boolean values

2.3.202.22 tkreset (FI-3101)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.202.23 tksecuritypolicy (FI-2408)

Type:	enum	
Default Value:	1	
Rule (RI-317):	Type:	Active (Insert/Update)
	Rule Name:	Prevent change of profile where phone does not support it
	Description:	on I/U of SecurityProfile
	Test Condition:	Check for phone support
Rule (RI-318):	Type:	Active (Insert/Update)
	Rule Name:	Prevent port sharing between TLS and UDP/TCP
	Description:	on I/U of SecurityProfile
	Test Condition:	Port values must differ
Rule (RI-330):	Type:	Active (Insert/Update)
	Rule Name:	Prevent mismatch tktransport and tksecuritymode
	Description:	on I/U of SecurityProfile
	Test Condition:	prevent bad value combinations
Rule (RI-332):	Type:	Active (Insert/Update)
	Rule Name:	Prevent port conflict between CCMs and SIP Tunk Security Profiles
	Description:	on I/U of SecurityProfile and CCM
	Test Condition:	prevent bad port combinations
Rule (RI-341):	Type:	Validation (Insert/Update)
	Rule Name:	Prevent mismatch values in boolean fields
	Description:	on I/U of SecurityProfile
	Test Condition:	validate correct boolean values

Rule (RI-434):	Type:	Validation (Insert/Update)
	Rule Name:	Security Profile cannot be made less secure if any STRP Allowed Device is using it.
	Description:	If STRPAllowed on any devices used by the Security Profile it must be Encrypted and TLS
	Test Condition:	ON INSERT
	Error Message:	If SIP Trunk is set to STRPAllowed then Security Profile must be TLS and Encrypted
	Remedy:	Turn of SRTPAllowed on SIP Trunks using this profile to make it less secure
Rule (RI-481):	Type:	Validation (Insert/Update)
	Rule Name:	Only 1 CUMA Server SecurityProfile allowed
	Description:	Only 1 CUMA Server SecurityProfile allowed
	Test Condition:	the total number of records can not be greater than 1 for SecurityProfile.tkSecurityPolicy = SECURITY_POLICY_CUMA_SERVER(7)
	Error Message:	Only 1 CUMA Server SecurityProfile allowed
Rule (RI-482):	Type:	Validation (Insert/Update)
	Rule Name:	CUMA Security Profile type and transport must match
	Description:	When tkSecurityPolicy=SECURITY_POLICY_CUMA_SERVER, it must be TCP_OR_UDP when tkDeviceSecurityMode = DEVICE_SECURITY_MODE_NONSECURE, and TRANSPORT_LAYER_SECURITY when tkDeviceSecurityMode != DEVICE_SECURITY_MODE_NONSECURE. When tkSecurityPolicy = SECURITY_POLICY_CUMA_SERVER, it must be TRANSMISSION_CONTROL_PROTOCOL or USER_DATAGRAM_PROTOCOL when tkDeviceSecurityMode = DEVICE_SECURITY_MODE_NONSECURE, and TRANSPORT_LAYER_SECURITY when tkDeviceSecurityMode != DEVICE_SECURITY_MODE_NONSECURE
	Test Condition:	On Insert/Update CUMA security profile

2.3.202.24 tktransport (FI-2410)

Type:	enum	
Default Value:	4	
Rule (RI-318):	Type:	Active (Insert/Update)
	Rule Name:	Prevent port sharing between TLS and UDP/TCP
	Description:	on I/U of SecurityProfile
	Test Condition:	Port values must differ

Rule (RI-330):	Type:	Active (Insert/Update)
	Rule Name:	Prevent mismatch tktransport and tksecuritymode
	Description:	on I/U of SecurityProfile
	Test Condition:	prevent bad value combinations
Rule (RI-332):	Type:	Active (Insert/Update)
	Rule Name:	Prevent port conflict between CCMs and SIP Tunk Security Profiles
	Description:	on I/U of SecurityProfile and CCM
	Test Condition:	prevent bad port combinations
Rule (RI-434):	Type:	Validation (Insert/Update)
	Rule Name:	Security Profile cannot be made less secure if any STRP Allowed Device is using it.
	Description:	If STRPAllowed on any devices used by the Security Profile it must be Encrypted and TLS
	Test Condition:	ON INSERT
	Error Message:	If SIP Trunk is set to STRPAllowed then Security Profile must be TLS and Encrypted
	Remedy:	Turn of SRTPAllowed on SIP Trunks using this profile to make it less secure
Rule (RI-482):	Type:	Validation (Insert/Update)
	Rule Name:	CUMA Security Profile type and transport must match
	Description:	When tkSecurityPolicy=SECURITY_POLICY_CUMA_SERVER, it must be TCP_OR_UDP when tkDeviceSecurityMode = DEVICE_SECURITY_MODE_NONSECURE, and TRANSPORT_LAYER_SECURITY when tkDeviceSecurityMode != DEVICE_SECURITY_MODE_NONSECURE. When tkSecurityPolicy = SECURITY_POLICY_CUMA_SERVER, it must be TRANSMISSION_CONTROL_PROTOCOL or USER_DATAGRAM_PROTOCOL when tkDeviceSecurityMode = DEVICE_SECURITY_MODE_NONSECURE, and TRANSPORT_LAYER_SECURITY when tkDeviceSecurityMode != DEVICE_SECURITY_MODE_NONSECURE
	Test Condition:	On Insert/Update CUMA security profile

2.3.202.25 tktransport_out (FI-2411)

Type:	enum (Null OK)
Default Value:	NULL

Rule (RFI-195):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkSecurityPolicy= 7
	Constraint:	tkTransPort_Out IS NULL
	Null Allowed:	null
	Remarks:	CUMA security profile outgoing transport type can not be set.
Rule (RI-330):	Type:	Active (Insert/Update)
	Rule Name:	Prevent mismatch tktransport and tksecuritymode
	Description:	on I/U of SecurityProfile
	Test Condition:	prevent bad value combinations
Rule (RI-434):	Type:	Validation (Insert/Update)
	Rule Name:	Security Profile cannot be made less secure if any STRP Allowed Device is using it.
	Description:	If STRPAllowed on any devices used by the Security Profile it must be Encrypted and TLS
	Test Condition:	ON INSERT
	Error Message:	If SIP Trunk is set to STRPAllowed then Security Profile must be TLS and Encrypted
	Remedy:	Turn of SRTPAllowed on SIP Trunks using this profile to make it less secure

2.3.202.26 transmitsecuritystatus (FI-3482)

Type:	bool
Default Value:	FALSE

2.3.202.27 versionstamp (FI-3121)

Type:	string [47] (Null OK)	
Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963	
Remarks:	New guid plus seconds past midnight 1970 are concatenated	
Rule (RI-275):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	securityprofile versionstamp
	Description:	on change to anything in securityprofile table, update device versionstamp
	Test Condition:	update device

	Rule (RI-275):	Type:	Active (Insert/Update)
		Rule Name:	securityprofile versionstamp
		Description:	on change to anything in securityprofile table, update device versionstamp
		Test Condition:	update device

2.3.202.28 x509subjectname (FI-2588)

	Type:	string [4096]	
	Default Value:	EMPTY	
	Remarks:	X509 Subject Name List	
	Rule (RI-482):	Type:	Validation (Insert/Update)
		Rule Name:	CUMA Security Profile type and transport must match
		Description:	When tkSecurityPolicy=SECURITY_POLICY_CUMA_SERVER, it must be TCP_OR_UDP when tkDeviceSecurityMode = DEVICE_SECURITY_MODE_NONSECURE, and TRANSPORT_LAYER_SECURITY when tkDeviceSecurityMode != DEVICE_SECURITY_MODE_NONSECURE. When tkSecurityPolicy = SECURITY_POLICY_CUMA_SERVER, it must be TRANSMISSION_CONTROL_PROTOCOL or USER_DATAGRAM_PROTOCOL when tkDeviceSecurityMode = DEVICE_SECURITY_MODE_NONSECURE, and TRANSPORT_LAYER_SECURITY when tkDeviceSecurityMode != DEVICE_SECURITY_MODE_NONSECURE
		Test Condition:	On Insert/Update CUMA security profile
Uniqueness:	No multicolumn uniqueness constraints		

2.3.203 sipdevice (TI-206)

Description:	Contains data for SIP Trunk implementation

Fields:

2.3.203.1 acceptinboundrdnis (FI-1317)

Type:	bool
Default Value:	FALSE
Remarks:	Redirecting number delivery (inbound) flag.

2.3.203.2 acceptoutboundrdnis (FI-1322)

Type:	bool
Default Value:	FALSE
Remarks:	Same as NumberIE field in H323Device.

2.3.203.3 calleriddn (FI-1321)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,32}$
Remarks:	Override callers phone number.

2.3.203.4 callername (FI-1319)

Type:	string [150]
Default Value:	EMPTY
Validation:	^[a-zA-Z0-9 !#$'()*+,./:;=?@\\^_`~-]{0,30}$
Remarks:	Same as displayIE field in H323Device table

2.3.203.5 destinationaddress (FI-1311)

Type:	string [255]
Default Value:	EMPTY
Validation:	^[0-9a-zA-Z._-]{0,255}$
Remarks:	ip address or Fully Qualified Domain Network ddressable Address
Rule (RI-302):	Type: Active (Insert/Update) Rule Name: SIPDevice destination address Description: Verify IP address Test Condition: I/U

2.3.203.6 destinationaddressipv6 (FI-3660)

Type:	string [255]
Default Value:	EMPTY
Validation:	^[0-9a-zA-Z.:_-]{0,255}$
Remarks:	Indicates IPv6 address excluding link local, site local, IPv4 mapped/compatible or unspecified. Hostname must be 2 to 63 letters, numbers, dots and dashes. Hostname must end with an alphanumeric character.
Rule (RI-702):	Type: Validation (Insert/Update) Rule Name: Insert Update SIPDevice.destinationAddressIPv6 Description: On insert or update value must be valid ip address and must not be SiteLocal LinkLocal IPv4 Mapped IPv4 Combined or Unspecified Test Condition: On insert or update of destinationAddressIPv6 Error Message: IPv6 address value must be valid IPv6 address and must not be SiteLocal LinkLocal IPv4 Mapped IPv4 Combined or Unspecified Remedy: Correct to valid IPv6 address

2.3.203.7 destinationport (FI-1312)

Type:	long
Default Value:	5060
Check Constraint:	((destinationPort >= 1024) AND (destinationPort <= 65535)) OR (destinationPort = 0)
Rule (RI-302):	Type: Active (Insert/Update) Rule Name: SIPDevice destination address Description: Verify IP address Test Condition: I/U

2.3.203.8 fkdevice (FI-1310)

Type:	guid (Unique, Indexed, Cascade Delete)

Rule (RI-442):	Type:	Validation (Insert/Update)
	Rule Name:	SIPDevice.tkPresentationBit_ConnectedLine Change Restriction
	Description:	If IsRPIDEnabled is set to false the tkPresentationBit_ConnectedLine in the SIPDevice table should not be allowed to change from DEFAULT to NON DEFAULT
	Test Condition:	ON INSERT/UPDATE in SIPDevice: SELECT IsRPIDEnabled INTO rpidChk FROM Device ; IF (rpidChk='F') throw exception END IF;
	Error Message:	Cannot modify the value since IsRPIDEnabled is set to FALSE
	Remedy:	Set IsRPIDEnabled to TRUE and then change the value
Rule (RI-443):	Type:	Validation (Insert/Update)
	Rule Name:	SIPDevice.tkPresentationBit_ConnectedName Change Restriction
	Description:	If IsRPIDEnabled is set to false the tkPresentationBit_ConnectedName in the SIPDevice table should not be allowed to change from DEFAULT to NON DEFAULT
	Test Condition:	ON INSERT/UPDATE in SIPDevice: SELECT IsRPIDEnabled INTO rpidChk FROM Device ; IF (rpidChk='F') throw exception END IF;
	Error Message:	Cannot modify the value since IsRPIDEnabled is set to FALSE
	Remedy:	Set isRPIDEnabled to TRUE and then change the value

2.3.203.9 numdigits (FI-1318)

Type:	long (Null OK)
Default Value:	99
Check Constraint:	((NumDigits >= 0) AND (NumDigits <= 32)) OR (NumDigits = 99)

2.3.203.10 pkid (FI-1309)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.203.11 prefixdn (FI-1316)

Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL
Validation:	^[0-9*#+]{0,50}$
Remarks:	Used for Inbound Call Routing Information.

2.3.203.12 sigdigits (FI-1315)

Type:	bool
Default Value:	FALSE
Remarks:	Must be 1 if (NumDigits >= 0) AND (NumDigits <= 32), or 0 if (NumDigits = 99)

2.3.203.13 tkcallingpartyselection (FI-1327)

Type:	enum
Default Value:	1

2.3.203.14 tkpresentationbit_callingline (FI-1323)

Type:	enum
Default Value:	0
Remarks:	Calling Party ID Presentation

2.3.203.15 tkpresentationbit_callingname (FI-1324)

Type:	enum
Default Value:	0
Remarks:	Calling Party Name Presentation

2.3.203.16 tkpresentationbit_connectedline (FI-1325)

Type:	enum
Default Value:	0
Remarks:	Connected Party ID Presentation

Rule (RI-442):

Type:	Validation (Insert/Update)
Rule Name:	SIPDevice.tkPresentationBit_ConnectedLine Change Restriction
Description:	If IsRPIDEnabled is set to false the tkPresentationBit_ConnectedLine in the SIPDevice table should not be allowed to change from DEFAULT to NON DEFAULT
Test Condition:	ON INSERT/UPDATE in SIPDevice: SELECT IsRPIDEnabled INTO rpidChk FROM Device ; IF (rpidChk='F') throw exception END IF;
Error Message:	Cannot modify the value since IsRPIDEnabled is set to FALSE
Remedy:	Set IsRPIDEnabled to TRUE and then change the value

2.3.203.17 tkpresentationbit_connectedname (FI-1326)

Type:	enum

	Default Value:	0
	Remarks:	Connected Party Name Presentation
	Rule (RI-443):	Type: Validation (Insert/Update) Rule Name: SIPDevice.tkPresentationBit_ConnectedName Change Restriction Description: If IsRPIDEnabled is set to false the tkPresentationBit_ConnectedName in the SIPDevice table should not be allowed to change from DEFAULT to NON DEFAULT Test Condition: ON INSERT/UPDATE in SIPDevice: SELECT IsRPIDEnabled INTO rpidChk FROM Device ; IF (rpidChk='F') throw exception END IF; Error Message: Cannot modify the value since IsRPIDEnabled is set to FALSE Remedy: Set isRPIDEnabled to TRUE and then change the value
	2.3.203.18 tksipcodec (FI-1314)	
	Type:	enum
	Default Value:	1
	Remarks:	Preferred Originating Codec (G711u, G711a, G729a, G729ab, G729b)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.204 sipprofile (TI-317)

Description:	SIP Profile Information	
Fields:	**2.3.204.1 defaulttelephonyeventpayloadtype (FI-2587)**	
	Type:	long
	Default Value:	101
	Remarks:	The Telephony Event Payload Type
	2.3.204.2 description (FI-2362)	
	Type:	string [100] (Null OK)
	Default Value:	EMPTY
	Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,100}$
	Remarks:	Description of SIP Profile
	2.3.204.3 earlyofferforgclearenable (FI-5100)	
	Type:	bool

Default Value:	FALSE
Remarks:	To enable early offer for G.clear, with default value of False

2.3.204.4 enableanatforearlyoffercalls (FI-3659)

Type:	bool
Default Value:	FALSE
Remarks:	Indicates whether UCM should send out early Offer with MTP with ANAT semantics having both IPv4 and IPv6 address in SDP

2.3.204.5 fkresourceprioritynamespacelist (FI-3505)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Prioritized List of Resource Priority Namespaces assigned to a SIP Trunk

2.3.204.6 isstandard (FI-2363)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	If this is a standard SIP profile

2.3.204.7 name (FI-2361)

Type:	string [50] (Unique, Indexed)
Remarks:	SIP Profile name

2.3.204.8 pkid (FI-2360)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
Rule (RI-273):	Type: Active (Insert/Update) Rule Name: sipprofile versionstamp Description: on change to anything in sipprofile table, update device versionstamp Test Condition: update device

2.3.204.9 resettoggle (FI-3102)

Type:	bool
Default Value:	FALSE

Remarks:	Should this device or group be reset
Rule (RI-273):	Type: Active (Insert/Update) Rule Name: sipprofile versionstamp Description: on change to anything in sipprofile table, update device versionstamp Test Condition: update device

2.3.204.10 ringing180 (FI-2463)

Type:	bool
Default Value:	FALSE

2.3.204.11 sipretryinvite (FI-2431)

Type:	long
Default Value:	6
Remarks:	Max number of times an INVITE request is retransmitted

2.3.204.12 sipretrynoninvite (FI-2432)

Type:	long
Default Value:	10
Remarks:	Max number of times a SIP message other than INVITE is retransmitted

2.3.204.13 sipstartmediaport (FI-2433)

Type:	long
Default Value:	16384
Check Constraint:	(SIPStartMediaPort >= 16384) AND (SIPStartMediaPort <= 32767)
Remarks:	Start RTP range for media

2.3.204.14 siptimerinviteexp (FI-2426)

Type:	long
Default Value:	180
Check Constraint:	(SIPTimerInviteExp >= 0) AND (SIPTimerInviteExp <= 32767)
Remarks:	in secs after which a SIP INVITE expires

2.3.204.15 siptimerregdelta (FI-2427)

Type:	long
Default Value:	5

Check Constraint:	(SIPTimerRegDelta >= 0) AND (SIPTimerRegDelta <= 32767)
Remarks:	Time in secs at which registration will occur. Used in conjuction with SIPTimerRegExpires parameter. Phone will register SIPTimerRegDelta secs before reg period ends as governed by SIPTimerRegExpires.

2.3.204.16 siptimerregexpires (FI-2428)

Type:	long
Default Value:	3600
Remarks:	Time in secs after which reg expires

2.3.204.17 siptimert1 (FI-2429)

Type:	long
Default Value:	500
Remarks:	Lowest value, in millisecs, of the retransmission for SIP messages

2.3.204.18 siptimert2 (FI-2430)

Type:	long
Default Value:	4000
Remarks:	Highest value, in millisecs, of the retransmission for SIP messages

2.3.204.19 t38invite (FI-3573)

Type:	bool
Default Value:	FALSE
Remarks:	Determines whether to use T.38 Invite over SIP for interoperability with T.38 fax transmission

2.3.204.20 tkgclear (FI-5403)

Type:	enum
Default Value:	0
Remarks:	Indicates the G.Clear types - Disabled,Clearmode,CCD,G.nX64 and X-CCD

2.3.204.21 tkreset (FI-3103)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.204.22 tksipreroute (FI-3577)

Type:	enum

Default Value:	0
Remarks:	Where to get information (device id) for rerouting SIP trunk calls

2.3.204.23 tktelnetlevel (FI-2972)

Type:	enum
Default Value:	0

2.3.204.24 tkzzdndcontrol (FI-3064)

Type:	enum
Default Value:	0
Remarks:	DND control

2.3.204.25 tkzzdtmfdblevel (FI-2825)

Type:	enum
Default Value:	3
Remarks:	dtmf Db Level

2.3.204.26 tkzzpreff_zzanonymouscallblock (FI-2830)

Type:	long
Default Value:	2

2.3.204.27 tkzzpreff_zzcalleridblocking (FI-2831)

Type:	long
Default Value:	2

2.3.204.28 tkzzpreff_zzcallholdringback (FI-2829)

Type:	long
Default Value:	2

2.3.204.29 tkzzpreff_zzdndcontrol (FI-2832)

Type:	long
Default Value:	2

2.3.204.30 tkzzuserinfo (FI-2824)

Type:	enum
Default Value:	0

Remarks:	user Info

2.3.204.31 versionstamp (FI-3122)

Type:	string [47] (Null OK)
Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
Remarks:	New guid plus seconds past midnight 1970 are concatenated
Rule (RI-273):	Type: Active (Insert/Update) This field is modified by this rule. Rule Name: sipprofile versionstamp Description: on change to anything in sipprofile table, update device versionstamp Test Condition: update device
Rule (RI-273):	Type: Active (Insert/Update) Rule Name: sipprofile versionstamp Description: on change to anything in sipprofile table, update device versionstamp Test Condition: update device

2.3.204.32 zzabbreviateddialuri (FI-2935)

Type:	string [127]
Default Value:	x-cisco-serviceuri-abbrdial
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,127}$
Remarks:	call Pickup URI

2.3.204.33 zzcallforwarduri (FI-2934)

Type:	string [127]
Default Value:	x-cisco-serviceuri-cfwdall
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,127}$
Remarks:	call Pickup URI

2.3.204.34 zzcallpickupgroupuri (FI-2811)

Type:	string [127]
Default Value:	x-cisco-serviceuri-gpickup
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,127}$
Remarks:	call Pickup Group URI

2.3.204.35 zzcallpickuplisturi (FI-2810)	
Type:	string [127]
Default Value:	x-cisco-serviceuri-opickup
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,127}$
Remarks:	callPickup List URI
2.3.204.36 zzcallpickupuri (FI-2809)	
Type:	string [127]
Default Value:	x-cisco-serviceuri-pickup
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,127}$
Remarks:	call Pickup URI
2.3.204.37 zzcallstats (FI-2808)	
Type:	bool
Default Value:	FALSE
Remarks:	is callStats Enabled
2.3.204.38 zzcnfjoinenabled (FI-2792)	
Type:	bool
Default Value:	TRUE
Remarks:	is conference Join Enabled
2.3.204.39 zzenablevad (FI-2799)	
Type:	bool
Default Value:	FALSE
Remarks:	is VAD Enabled
2.3.204.40 zzmaxredirects (FI-2836)	
Type:	long
Default Value:	70
Check Constraint:	((zzmaxRedirects >= 0) AND (zzmaxRedirects <= 255))
2.3.204.41 zzmeetmeserviceuri (FI-2812)	
Type:	string [127]
Default Value:	x-cisco-serviceuri-meetme

Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,127}$
Remarks:	meet Me Service URI
2.3.204.42 zzoffhooktofirstdigittmr (FI-2843)	
Type:	long
Default Value:	15000
Check Constraint:	((zzoffhookToFirstDigitTmr >= 0) AND (zzoffhookToFirstDigitTmr <= 150000))
2.3.204.43 zzredirectbyapp (FI-2933)	
Type:	bool
Default Value:	FALSE
Remarks:	is redirecatble by appliction
2.3.204.44 zzrfc2543hold (FI-2794)	
Type:	bool
Default Value:	FALSE
Remarks:	is rfc2543 Hold Enabled
2.3.204.45 zzsemiattendedtransfer (FI-2796)	
Type:	bool
Default Value:	TRUE
Remarks:	is semiAttended Transfer Enabled
2.3.204.46 zzstopmediaport (FI-2846)	
Type:	long
Default Value:	32766
Check Constraint:	((zzstopMediaPort >= 16384) AND (zzstopMediaPort <= 32766))
2.3.204.47 zzstuttermsgwaiting (FI-2807)	
Type:	bool
Default Value:	FALSE
Remarks:	is stutter message Waiting Enabled
2.3.204.48 zztimerkeepaliveexpires (FI-2833)	
Type:	long
Default Value:	120

2.3.204.49 zztimersubscribedelta (FI-2835)	
Type:	long
Default Value:	5
Check Constraint:	((zztimerSubscribeDelta >= 3) AND (zztimerSubscribeDelta <= 15))
2.3.204.50 zztimersubscribeexpires (FI-2834)	
Type:	long
Default Value:	120
Uniqueness:	No multicolumn uniqueness constraints

2.3.205 siprealm (TI-393)

Description:	SIP Realm (security domain) athentiction information for out going calls
Fields:	

2.3.205.1 passwordreverse (FI-2895)		
Type:	string [128]	
Default Value:	69c4f936f9cdf45f6bbca2570c31215629bb5d6fb97493478b8ff3db6fffbc55	
Validation:	^[a-fA-F0-9]{32,128}$	
Remarks:	Generated hash value, should not be empty	
2.3.205.2 pkid (FI-2946)		
Type:	guid (Unique, Indexed, Not Modifiable)	
Default Value:	newid()	
Remarks:	Unique ID to identify a record.	
Rule (RI-360):	Type:	Validation (Insert/Update)
	Rule Name:	Name (Realm) unique in SIP Realm
	Description:	The name of a SIP Realm must be unique. Because SIP Realm is a large text field, it cannot be indexed by IDS.
	Test Condition:	ON INSERT/UPDATE in SIPRealm: IF (SELECT COUNT(*) FROM SIPRealm WHERE Realm = @Realm AND pkid <> @pkid) > 0 THEN throw exception END IF;
	Error Message:	The specified SIP Realm already exists
	Remedy:	Change the name of the realm and try again
2.3.205.3 realm (FI-2389)		

	Type:	string [512]
	Validation:	^[a-zA-Z 0-9._-]{1,512}$
	Rule (RI-360):	Type: Validation (Insert/Update) Rule Name: Name (Realm) unique in SIP Realm Description: The name of a SIP Realm must be unique. Because SIP Realm is a large text field, it cannot be indexed by IDS. Test Condition: ON INSERT/UPDATE in SIPRealm: IF (SELECT COUNT(*) FROM SIPRealm WHERE Realm = @Realm AND pkid <> @pkid) > 0 THEN throw exception END IF; Error Message: The specified SIP Realm already exists Remedy: Change the name of the realm and try again

2.3.205.4 userid (FI-2894)

Type:	string [128] (Indexed)
Validation:	^[a-zA-Z 0-9._-]{1,128}$
Remarks:	Same as Name in ApplicationUser.

Uniqueness:	No multicolumn uniqueness constraints

2.3.206 softkeyset (TI-184)

Description:	Map the sofykey to softkey template based on different call states

Fields:

2.3.206.1 fksoftkeytemplate (FI-1156)

Type:	guid (Cascade Delete, Not Modifiable)
Remarks:	The softkey template associated with the softkey set
Rule (RI-219):	Type: Active (Insert/Update) Rule Name: softkeytemplate versionstamp Description: on change to anything in softkeytemplate xml file, update versionstamp Test Condition: update softkeytemplate

Rule (RI-254):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	SoftkeySetClause update on SoftkeySet changes
	Description:	If a softkey is added, removed or modified, the softkeyset clause on the template must be updated. The softkeyset clause is the ordered list of callstates and softkeys in each call state.
	Test Condition:	ON INSERT/UPDATE/DELETE IN SoftkeySet (Update SoftkeyTemplate.softkeysetclause)
Rule (RI-255):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	SoftkeyClause update on SoftkeySet changes
	Description:	If a softkey is added, removed or modified, the softkey clause on the template must be updated. The softkey clause is the list of unique softkeys in the softkey template.
	Test Condition:	ON INSERT/UPDATE/DELETE IN SoftkeySet (Update SoftkeyTemplate.softkeyclause)
Rule (RI-256):	Type:	Validation (Insert/Update)
	Rule Name:	Maximum 16 Softkeys per Call State
	Description:	There may be no more than 16 softkeys assigned to a given Call State at any time.
	Test Condition:	ON INSERT/UPDATE IN SoftkeySet IF (SELECT COUNT(*) FROM SoftkeySet WHERE fkSoftkeyTemplate = @fkSoftkeyTemplate AND tkCallState = @tkCallState) > 16 THEN throw exception
	Error Message:	The limit of 16 softkeys per call state has been exceeded.
	Remedy:	Remove an existing softkey from the specified call state and try again.
Rule (RI-257):	Type:	Validation (Delete)
	Rule Name:	Mandatory Softkey Delete Restriction
	Description:	Mandatory Softkeys cannot be removed from a Call State (except when a Service is removed from the softkey template).
	Test Condition:	ON DELETE FROM SoftkeySet IF (softkey is mandatory for call state) THEN throw exception
	Error Message:	Cannot delete a mandatory softkey.
Rule (RI-598):	Type:	Validation (Insert/Update)
	Rule Name:	Softkey should be unique for each call state when the softkey is not Undefined
	Description:	Softkey should be unique for each call state when the softkey is not Undefined
	Test Condition:	On Insert or Update SoftKey
	Error Message:	Softkey should be unique for each call state when the softkey is not Undefined

2.3.206.2 pkid (FI-1155)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
Rule (RI-598):	

Type:	Validation (Insert/Update)
Rule Name:	Softkey should be unique for each call state when the softkey is not Undefined
Description:	Softkey should be unique for each call state when the softkey is not Undefined
Test Condition:	On Insert or Update SoftKey
Error Message:	Softkey should be unique for each call state when the softkey is not Undefined

2.3.206.3 positionid (FI-1159)

Type:	long
Default Value:	0
Check Constraint:	(positionID >= 0) AND (positionID <= 15)
Rule (RI-254):	

Type:	Active (Insert/Update/Delete records)
Rule Name:	SoftkeySetClause update on SoftkeySet changes
Description:	If a softkey is added, removed or modified, the softkeyset clause on the template must be updated. The softkeyset clause is the ordered list of callstates and softkeys in each call state.
Test Condition:	ON INSERT/UPDATE/DELETE IN SoftkeySet (Update SoftkeyTemplate.softkeysetclause)

2.3.206.4 tkcallstate (FI-1158)

Type:	enum
Default Value:	0
Remarks:	what call state does the softkey set belong to
Rule (RI-254):	

Type:	Active (Insert/Update/Delete records)
Rule Name:	SoftkeySetClause update on SoftkeySet changes
Description:	If a softkey is added, removed or modified, the softkeyset clause on the template must be updated. The softkeyset clause is the ordered list of callstates and softkeys in each call state.
Test Condition:	ON INSERT/UPDATE/DELETE IN SoftkeySet (Update SoftkeyTemplate.softkeysetclause)

Rule (RI-257):	Type:	Validation (Delete)
	Rule Name:	Mandatory Softkey Delete Restriction
	Description:	Mandatory Softkeys cannot be removed from a Call State (except when a Service is removed from the softkey template).
	Test Condition:	ON DELETE FROM SoftkeySet IF (softkey is mandatory for call state) THEN throw exception
	Error Message:	Cannot delete a mandatory softkey.
Rule (RI-598):	Type:	Validation (Insert/Update)
	Rule Name:	Softkey should be unique for each call state when the softkey is not Undefined
	Description:	Softkey should be unique for each call state when the softkey is not Undefined
	Test Condition:	On Insert or Update SoftKey
	Error Message:	Softkey should be unique for each call state when the softkey is not Undefined

2.3.206.5 tksoftkey (FI-1157)

Type:	enum
Default Value:	0
Remarks:	the softkey associated with the softkey set

Rule (RI-254):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	SoftkeySetClause update on SoftkeySet changes
	Description:	If a softkey is added, removed or modified, the softkeyset clause on the template must be updated. The softkeyset clause is the ordered list of callstates and softkeys in each call state.
	Test Condition:	ON INSERT/UPDATE/DELETE IN SoftkeySet (Update SoftkeyTemplate.softkeysetclause)
Rule (RI-255):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	SoftkeyClause update on SoftkeySet changes
	Description:	If a softkey is added, removed or modified, the softkey clause on the template must be updated. The softkey clause is the list of unique softkeys in the softkey template.
	Test Condition:	ON INSERT/UPDATE/DELETE IN SoftkeySet (Update SoftkeyTemplate.softkeyclause)

	Rule (RI-257):	Type:	Validation (Delete)
		Rule Name:	Mandatory Softkey Delete Restriction
		Description:	Mandatory Softkeys cannot be removed from a Call State (except when a Service is removed from the softkey template).
		Test Condition:	ON DELETE FROM SoftkeySet IF (softkey is mandatory for call state) THEN throw exception
		Error Message:	Cannot delete a mandatory softkey.
	Rule (RI-598):	Type:	Validation (Insert/Update)
		Rule Name:	Softkey should be unique for each call state when the softkey is not Undefined
		Description:	Softkey should be unique for each call state when the softkey is not Undefined
		Test Condition:	On Insert or Update SoftKey
		Error Message:	Softkey should be unique for each call state when the softkey is not Undefined
Uniqueness:	No multicolumn uniqueness constraints		
Rules:	Rule (RI-147):	Type:	Active (Insert) This table is modified by this rule.
		Rule Name:	Insert Softkey Template
		Description:	A new SoftkeyTemplate can only be inserted by copying an existing template (standard or user-defined). When a new template is inserted, a copy of the template specified in the ikSoftkeyTemplate_Base field is created by copying the SoftkeyTemplateServiceMap and SoftkeySet records using the new templates ID (pkid). The ikSoftkeyTemplate_Base field is also copied from the base templateso that all templates point back to a standard SoftkeyTemplate.
		Test Condition:	ON INSERT INTO SoftkeyTemplate
	Rule (RI-172):	Type:	Active (Insert) This table is modified by this rule.
		Rule Name:	Insert Mandatory SoftkeySet records for Service
		Description:	When a new Service is added to a Softkey Template in the SoftkeyTemplateServiceMap, the mandatory Softkeys for that Service are automatically added to each Call State for that Softkey Template.
		Test Condition:	ON INSERT INTO SoftkeyTemplateServiceMap

2.3.207 softkeytemplate (TI-183)

Description: Softkey templates

Fields:

2.3.207.1 description (FI-1151)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,50}$

Rule (RI-144):

Type:	Validation (Update/Delete)
Rule Name:	Standard Softkey Template
Description:	Standard Softkey Templates can be created only by installation inserting all required SoftkeySet records and setting the base template ID (ikSoftkeyTemplate_Base) to the template's ID (pkid). A standard template is based on itself and cannot be modified, while all other templates are based on one of the standard templates and can be modified.
Test Condition:	IF (@SoftkeyTemplate.pkid = @SoftkeyTemplate.ikSoftkeyTemplate_Base) THEN throw exception
Error Message:	Cannot insert a new template that is not based on an existing standard (or other) template.
Remedy:	Insert the new template based on one of the existing templates.

2.3.207.2 iksoftkeytemplate_base (FI-1152)

Type:	guid (Not Modifiable)
Remarks:	the original softkey template on which the current template is based; if this is a standard template the value will be the same its pkid; a standard template cannot be modified

Rule (RI-144):

Type:	Validation (Update/Delete)
Rule Name:	Standard Softkey Template
Description:	Standard Softkey Templates can be created only by installation inserting all required SoftkeySet records and setting the base template ID (ikSoftkeyTemplate_Base) to the template's ID (pkid). A standard template is based on itself and cannot be modified, while all other templates are based on one of the standard templates and can be modified.
Test Condition:	IF (@SoftkeyTemplate.pkid = @SoftkeyTemplate.ikSoftkeyTemplate_Base) THEN throw exception
Error Message:	Cannot insert a new template that is not based on an existing standard (or other) template.
Remedy:	Insert the new template based on one of the existing templates.

Rule (RI-147):	Type:	Active (Insert)
	Rule Name:	Insert Softkey Template
	Description:	A new SoftkeyTemplate can only be inserted by copying an existing template (standard or user-defined). When a new template is inserted, a copy of the template specified in the ikSoftkeyTemplate_Base field is created by copying the SoftkeyTemplateServiceMap and SoftkeySet records using the new templates ID (pkid). The ikSoftkeyTemplate_Base field is also copied from the base templateso that all templates point back to a standard SoftkeyTemplate.
	Test Condition:	ON INSERT INTO SoftkeyTemplate
Rule (RI-147):	Type:	Active (Insert) This field is modified by this rule.
	Rule Name:	Insert Softkey Template
	Description:	A new SoftkeyTemplate can only be inserted by copying an existing template (standard or user-defined). When a new template is inserted, a copy of the template specified in the ikSoftkeyTemplate_Base field is created by copying the SoftkeyTemplateServiceMap and SoftkeySet records using the new templates ID (pkid). The ikSoftkeyTemplate_Base field is also copied from the base templateso that all templates point back to a standard SoftkeyTemplate.
	Test Condition:	ON INSERT INTO SoftkeyTemplate

2.3.207.3 name (FI-1150)

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,50}$

Rule (RI-144):	Type:	Validation (Update/Delete)
	Rule Name:	Standard Softkey Template
	Description:	Standard Softkey Templates can be created only by installation inserting all required SoftkeySet records and setting the base template ID (ikSoftkeyTemplate_Base) to the template's ID (pkid). A standard template is based on itself and cannot be modified, while all other templates are based on one of the standard templates and can be modified.
	Test Condition:	IF (@SoftkeyTemplate.pkid = @SoftkeyTemplate.ikSoftkeyTemplate_Base) THEN throw exception
	Error Message:	Cannot insert a new template that is not based on an existing standard (or other) template.
	Remedy:	Insert the new template based on one of the existing templates.

2.3.207.4 pkid (FI-1149)

Type:	guid (Unique, Indexed, Not Modifiable)	
Default Value:	newid()	
Remarks:	Unique ID to identify a record.	
Rule (RI-144):	Type:	Validation (Update/Delete)
	Rule Name:	Standard Softkey Template
	Description:	Standard Softkey Templates can be created only by installation inserting all required SoftkeySet records and setting the base template ID (ikSoftkeyTemplate_Base) to the template's ID (pkid). A standard template is based on itself and cannot be modified, while all other templates are based on one of the standard templates and can be modified.
	Test Condition:	IF (@SoftkeyTemplate.pkid = @SoftkeyTemplate.ikSoftkeyTemplate_Base) THEN throw exception
	Error Message:	Cannot insert a new template that is not based on an existing standard (or other) template.
	Remedy:	Insert the new template based on one of the existing templates.
Rule (RI-147):	Type:	Active (Insert)
	Rule Name:	Insert Softkey Template
	Description:	A new SoftkeyTemplate can only be inserted by copying an existing template (standard or user-defined). When a new template is inserted, a copy of the template specified in the ikSoftkeyTemplate_Base field is created by copying the SoftkeyTemplateServiceMap and SoftkeySet records using the new templates ID (pkid). The ikSoftkeyTemplate_Base field is also copied from the base templateso that all templates point back to a standard SoftkeyTemplate.
	Test Condition:	ON INSERT INTO SoftkeyTemplate
Rule (RI-412):	Type:	Validation (Delete)
	Rule Name:	On delete if the pkid of softkeytemplate is referenced in softkeytemplate it cannot be deleted
	Description:	Default Softkey Template cannot be deleted
	Test Condition:	ON DELETE OF SoftkeyTemplate: SELECT count(*) into nRows FROM SoftKeyTemplateDefault where fksoftkeytemplate = old_pkid;IF (nRows > 0) THEN LET theMoniker = 'SK_DEFAULT_DELETE';END IF;

2.3.207.5 resettoggle (FI-3104)

Type:	bool
Default Value:	FALSE

Remarks:	Should this device or group be reset	
Rule (RI-219):	Type:	Active (Insert/Update)
	Rule Name:	softkeytemplate versionstamp
	Description:	on change to anything in softkeytemplate xml file, update versionstamp
	Test Condition:	update softkeytemplate

2.3.207.6 softkeyclause (FI-1153)

Type:	memo (Not Modifiable, Null OK)	
Default Value:	NULL	
Remarks:	This clause contains all the softkeys used by the softkey template, and the softkey is separated by ":" and sorted by eventID.	
Rule (RI-144):	Type:	Validation (Update/Delete)
	Rule Name:	Standard Softkey Template
	Description:	Standard Softkey Templates can be created only by installation inserting all required SoftkeySet records and setting the base template ID (ikSoftkeyTemplate_Base) to the template's ID (pkid). A standard template is based on itself and cannot be modified, while all other templates are based on one of the standard templates and can be modified.
	Test Condition:	IF (@SoftkeyTemplate.pkid = @SoftkeyTemplate.ikSoftkeyTemplate_Base) THEN throw exception
	Error Message:	Cannot insert a new template that is not based on an existing standard (or other) template.
	Remedy:	Insert the new template based on one of the existing templates.

2.3.207.7 softkeysetclause (FI-1154)

Type:	memo (Not Modifiable, Null OK)
Default Value:	NULL
Remarks:	This clause contains the information for softkey sets used by the softkey template

Rule (RI-144):	Type:	Validation (Update/Delete)
	Rule Name:	Standard Softkey Template
	Description:	Standard Softkey Templates can be created only by installation inserting all required SoftkeySet records and setting the base template ID (ikSoftkeyTemplate_Base) to the template's ID (pkid). A standard template is based on itself and cannot be modified, while all other templates are based on one of the standard templates and can be modified.
	Test Condition:	IF (@SoftkeyTemplate.pkid = @SoftkeyTemplate.ikSoftkeyTemplate_Base) THEN throw exception
	Error Message:	Cannot insert a new template that is not based on an existing standard (or other) template.
	Remedy:	Insert the new template based on one of the existing templates.

2.3.207.8 tkreset (FI-3105)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.207.9 versionstamp (FI-2936)

Type:	string [47] (Null OK)	
Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963	
Remarks:	New guid is generated every time this softkeytemplate is updated	
Rule (RI-144):	Type:	Validation (Update/Delete)
	Rule Name:	Standard Softkey Template
	Description:	Standard Softkey Templates can be created only by installation inserting all required SoftkeySet records and setting the base template ID (ikSoftkeyTemplate_Base) to the template's ID (pkid). A standard template is based on itself and cannot be modified, while all other templates are based on one of the standard templates and can be modified.
	Test Condition:	IF (@SoftkeyTemplate.pkid = @SoftkeyTemplate.ikSoftkeyTemplate_Base) THEN throw exception
	Error Message:	Cannot insert a new template that is not based on an existing standard (or other) template.
	Remedy:	Insert the new template based on one of the existing templates.

	Rule (RI-219):	Type:	Active (Insert/Update) This field is modified by this rule.
		Rule Name:	softkeytemplate versionstamp
		Description:	on change to anything in softkeytemplate xml file, update versionstamp
		Test Condition:	update softkeytemplate
	Rule (RI-219):	Type:	Active (Insert/Update)
		Rule Name:	softkeytemplate versionstamp
		Description:	on change to anything in softkeytemplate xml file, update versionstamp
		Test Condition:	update softkeytemplate
Uniqueness:	No multicolumn uniqueness constraints		
Rules:	Rule (RI-144):	Type:	Validation (Update/Delete) Rule applied when record is inserted.
		Rule Name:	Standard Softkey Template
		Description:	Standard Softkey Templates can be created only by installation inserting all required SoftkeySet records and setting the base template ID (ikSoftkeyTemplate_Base) to the template's ID (pkid). A standard template is based on itself and cannot be modified, while all other templates are based on one of the standard templates and can be modified.
		Test Condition:	IF (@SoftkeyTemplate.pkid = @SoftkeyTemplate.ikSoftkeyTemplate_Base) THEN throw exception
		Error Message:	Cannot insert a new template that is not based on an existing standard (or other) template.
		Remedy:	Insert the new template based on one of the existing templates.
	Rule (RI-147):	Type:	Active (Insert) Rule applied when record is inserted.
		Rule Name:	Insert Softkey Template
		Description:	A new SoftkeyTemplate can only be inserted by copying an existing template (standard or user-defined). When a new template is inserted, a copy of the template specified in the ikSoftkeyTemplate_Base field is created by copying the SoftkeyTemplateServiceMap and SoftkeySet records using the new templates ID (pkid). The ikSoftkeyTemplate_Base field is also copied from the base templateso that all templates point back to a standard SoftkeyTemplate.
		Test Condition:	ON INSERT INTO SoftkeyTemplate

2.3.208 softkeytemplatedefault (TI-424)

Description:	Used to define a Default SoftkeyTemplate as the entry removed from DevicePool table Insert/Delete is not allowed.
Fields:	**2.3.208.1 fksoftkeytemplate (FI-3218)**
	Type: guid (Unique)
	2.3.208.2 pkid (FI-3219)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Migration Source: Generated
	Remarks: Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints

2.3.209 softkeytemplateservicemap (TI-278)

Description:	Many to many relationship between services with softkeys and softkey templates Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.209.1 fksoftkeytemplate (FI-1957)**	
	Type:	guid (Cascade Delete, Not Modifiable)
	Migration Source:	SoftKeyTemplate.pkid
	Rule (RI-172):	Type: Active (Insert) Rule Name: Insert Mandatory SoftkeySet records for Service Description: When a new Service is added to a Softkey Template in the SoftkeyTemplateServiceMap, the mandatory Softkeys for that Service are automatically added to each Call State for that Softkey Template. Test Condition: ON INSERT INTO SoftkeyTemplateServiceMap
	2.3.209.2 pkid (FI-1956)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.

2.3.209.3 tkservice (FI-1958)

Type:	enum (Not Modifiable)
Migration Source:	TypeSoftKey.tkService

Rule (RI-145):

Type:	Validation (Insert/Update)
Rule Name:	Valid Services for SoftkeyTemplates
Description:	A service (application) can be assigned to a Softkey Template only if there are Softkeys defined for the service.
Test Condition:	IF (@SoftkeyTemplateServiceMap.tkService NOT IN (SELECT DISTINCT tkService FROM TypeSoftkey)) THEN throw exception
Error Message:	Cannot map this Service to a Softkey Template because the Service has no Softkeys defined.
Remedy:	Use the correct service or make sure the Service has softkeys defined before applying it to a template.

Rule (RI-172):

Type:	Active (Insert)
Rule Name:	Insert Mandatory SoftkeySet records for Service
Description:	When a new Service is added to a Softkey Template in the SoftkeyTemplateServiceMap, the mandatory Softkeys for that Service are automatically added to each Call State for that Softkey Template.
Test Condition:	ON INSERT INTO SoftkeyTemplateServiceMap

Uniqueness: fksoftkeytemplate + tkservice is unique. (MFI-66)

Rules:

Rule (RI-146):

Type:	Validation (Insert/Update) Rule applied when record is deleted.
Rule Name:	CallManager Service required for Softkeys
Description:	The Cisco CallManager Service (which defines basic call functions) is required for all Softkey Templates.
Test Condition:	ON DELETE IF (SoftkeyTemplateServiceMap.tkService = 0) THEN throw exception
Error Message:	Cannot remove the Cisco CallManager softkeys from a Softkey Template.
Remedy:	Remove the non-mandatory softkeys only, or delete the entire Softkey Template if desired.

Rule (RI-147):	Type:	Active (Insert) This table is modified by this rule.
	Rule Name:	Insert Softkey Template
	Description:	A new SoftkeyTemplate can only be inserted by copying an existing template (standard or user-defined). When a new template is inserted, a copy of the template specified in the ikSoftkeyTemplate_Base field is created by copying the SoftkeyTemplateServiceMap and SoftkeySet records using the new templates ID (pkid). The ikSoftkeyTemplate_Base field is also copied from the base templateso that all templates point back to a standard SoftkeyTemplate.
	Test Condition:	ON INSERT INTO SoftkeyTemplate
Rule (RI-172):	Type:	Active (Insert) Rule applied when record is inserted.
	Rule Name:	Insert Mandatory SoftkeySet records for Service
	Description:	When a new Service is added to a Softkey Template in the SoftkeyTemplateServiceMap, the mandatory Softkeys for that Service are automatically added to each Call State for that Softkey Template.
	Test Condition:	ON INSERT INTO SoftkeyTemplateServiceMap

2.3.210 speeddial (TI-35)

Description:	Speed dial entries for phone Devices

Fields:

2.3.210.1 fkdevice (FI-102)

Type:	guid (Indexed, Cascade Delete)	
Migration Source:	pkid from Device	
Rule (RI-23):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Synchronize Autogenerated Profile
	Description:	If the Enterprise Parameter for Autosync Profiles is true, the device referenced by Device. ikDevice_DefaultProfile, if it is an autogenerated profile, must be updated to match the settings of the phone
	Test Condition:	If ((SELECT COUNT(*) FROM ProcessConfig WHERE ParamName = 'enableAutoDeviceProfileSynChronize' AND ParamValue = 'T') AND (SELECT COUNT(*) FROM Device WHERE Device.pkid = @Device.ikDevice_DefaultProfile AND Device.tkDeviceProfile = 2)) Then update (refresh) Autogenerated Device Profile

Rule (RI-148):	Type:	Validation (Insert/Update)
	Rule Name:	Speed Dial or Abbr. Dial Support
	Description:	Speed Dial records associated with a device are used by both Speed Dial and Abbreviated Dial features. A device must support at least one of these features to have Speed Dial information. Abbreviated Dial is a feature of the phone. Speed Dials are available on Phone Templates, and require a device using phone button templates.
	Test Condition:	SELECT count(*) into nrows FROM ProductSupportsFeature WHERE (tkProduct IN (SELECT tkProduct FROM ProductSupportsFeature WHERE tkSupportsFeature IN (13,31))) AND tkDeviceProtocol IN ((SELECT tkDeviceProtocol FROM Device where pkid = @speeddial. fkDevice),99)
	Error Message:	Cannot associate Speed Dials with a device that does not support phone templates or abbreviated dial features.
	Remedy:	Check the device type and capabilities and try again.
Rule (RI-278):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	speeddial versionstamp
	Description:	on change to anything in speeddial table, update device versionstamp
	Test Condition:	update device

2.3.210.2 label (FI-287)

Type:	string [120]
Default Value:	EMPTY
Validation:	^[^"""]{0,30}$
Migration Source:	NULL
Remarks:	The text that appears for the speed-dial button (allows Unicode).

2.3.210.3 labelascii (FI-1790)

Type:	string [30]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_`{\|}~\\-]{0,30}$
Migration Source:	SpeedDial.label if all chars are less than 127
Remarks:	A safe version of the Speed Dial Button Label using only English letters (a to Z) and punctuation.

2.3.210.4 pkid (FI-101)

Type:	guid (Unique, Indexed, Not Modifiable)

	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.210.5 speeddialindex (FI-103)	
	Type:	long
	Migration Source:	Index_
	Remarks:	This field identifies the speed-dial button on the phone (for example, 1, 2, 3, or 4).
	2.3.210.6 speeddialnumber (FI-104)	
	Type:	dn
	DN Type:	DN_TYPE_ALL_DIGITS
	Validation:	^[0-9*#+]{0,50}$
	Migration Source:	Value_
	Remarks:	This is the number that the system dials when the user presses the speed-dial button.
Uniqueness:	fkdevice + speeddialindex is unique. (MFI-14)	
Rules:	Rule (RI-101):	

Type:	Active (Insert/Update/Delete records) Rule applied when record is updated. This table is modified by this rule.
Rule Name:	Sync Device Profile on Device Changes
Description:	If the information related to a device with an autogenerated device profile changes, and the enterprise parameter for autosync profiles is true, then the autogenerated device profile must be re-generated. This includes changes to the DeviceAddonModuleMap, Telecaster, Telecaster SubscribedServices, SpeedDial, and DeviceNumPlanMap tables.
Test Condition:	(SELECT COUNT(*) FROM ProcessConfig WHERE (ParamName = 'AutosyncDeviceProfile') AND (ParamValue = 'T') > 0) AND (SELECT tkDeviceProfile FROM Device WHERE (pkid = @Device.ikDevice_DefaultDeviceProfile) = 2) AND (SELECT LoginTime FROM Device WHERE (pkid = @Device.pkid) != 0)

2.3.211 spokenname (TI-403)	
Description:	Spoken name data as in CRSApplication

Fields:

2.3.211.1 creationdatetime (FI-3035)	
Type:	string [36]
Default Value:	0
Remarks:	Timestamp to mark spoken name sequence members
2.3.211.2 encodeddata (FI-3004)	
Type:	string [32000]
Default Value:	EMPTY
Remarks:	for table spokenname
2.3.211.3 fkenduser (FI-3003)	
Type:	guid (Indexed, Cascade Delete)
Remarks:	associated enduser for spokenname
2.3.211.4 numberofsegments (FI-3034)	
Type:	long
Default Value:	0
Remarks:	Number of segments in the spoken name sequence
2.3.211.5 pkid (FI-3002)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
2.3.211.6 seqno (FI-3005)	
Type:	long
Remarks:	spoken name sequence number
2.3.211.7 tkmediapayload (FI-3025)	
Type:	enum (Null OK)
Default Value:	4
2.3.211.8 versionstamp (FI-3026)	
Type:	string [47] (Null OK)
Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963

Remarks:	New guid is generated every time this device is updated	
Rule (RI-264):	Type:	Active (Insert/Update)
	Rule Name:	spokenname versionstamp
	Description:	on change to anything in spokenname, update versionstamp
	Test Condition:	update spokenname
Rule (RI-264):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	spokenname versionstamp
	Description:	on change to anything in spokenname, update versionstamp
	Test Condition:	update spokenname
Uniqueness:	No multicolumn uniqueness constraints	

2.3.212 srst (TI-194)

Description: Survival Remote Site Telephony configuration

Fields:

2.3.212.1 certificate (FI-1918)

Type:	string [4096]	
Default Value:	EMPTY	
Rule (RFI-93):	Type:	Inter-field Condition and Constraint
	Test Condition:	UserModifiable = 'f'
	Constraint:	
	Restriction:	Not Modifiable
	Remarks:	Cannot change system SRST records; update new and legacy records only

2.3.212.2 certificateproviderport (FI-1920)

Type:	long
Default Value:	2445

Rule (RFI-94):	Type:	Inter-field Condition and Constraint
	Test Condition:	UserModifiable = 'f'
	Constraint:	
	Restriction:	Not Modifiable
	Remarks:	Cannot change system SRST records; update new and legacy records only

2.3.212.3 ipaddr1 (FI-1210)

Type:	string [15]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])$
Remarks:	IP Address for the first device in the SRST config list. Enter the IP address of the gateway for devices in a device pool to use as an SRST reference.

Rule (RFI-95):	Type:	Inter-field Condition and Constraint
	Test Condition:	UserModifiable = 'f'
	Constraint:	
	Restriction:	Not Modifiable
	Remarks:	Cannot change system SRST records; update new and legacy records only

Rule (RFI-130):	Type:	Inter-field Condition and Constraint
	Test Condition:	userModifiable = 't'
	Constraint:	
	Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])$
	Remarks:	Valid IP Address is required for a user-modifiable SRST entry

2.3.212.4 ipaddr2 (FI-1212)

Type:	string [15]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])$
Remarks:	IP Address for the second device in the SRST config list

2.3.212.5 ipaddr3 (FI-1214)

Type:	string [15]

Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])$
Remarks:	IP Address for the third device in the SRST config list

2.3.212.6 issecure (FI-1919)

Type:	bool
Default Value:	FALSE
Rule (RFI-96):	Type: Inter-field Condition and Constraint Test Condition: UserModifiable = 'f' Constraint: Restriction: Not Modifiable Remarks: Cannot change system SRST records; update new and legacy records only

2.3.212.7 name (FI-1209)

Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,50}$
Remarks:	Unique name
Rule (RFI-97):	Type: Inter-field Condition and Constraint Test Condition: UserModifiable = 'f' Constraint: Restriction: Not Modifiable Remarks: Cannot change system SRST records; update new and legacy records only

2.3.212.8 pkid (FI-1208)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
Rule (RI-271):	Type: Active (Insert/Update) Rule Name: srst versionstamp Description: on change to anything in srst table, update device versionstamp Test Condition: update device

2.3.212.9 port1 (FI-1211)

Type:	long
Default Value:	2000
Check Constraint:	(Port1 >= 1024) AND (Port1 <= 49151)
Remarks:	port number for the first device in the SRST config list
Rule (RFI-98):	Type: Inter-field Condition and Constraint Test Condition: UserModifiable = 'f' Constraint: Restriction: Not Modifiable Remarks: Cannot change system SRST records; update new and legacy records only

2.3.212.10 port2 (FI-1213)

Type:	long
Default Value:	2000
Check Constraint:	(Port2 >= 1024) AND (Port2 <= 49151)
Remarks:	port number for the second device in the SRST config list

2.3.212.11 port3 (FI-1215)

Type:	long
Default Value:	2000
Check Constraint:	(Port3 >= 1024) AND (Port3 <= 49151)
Remarks:	port number for the third device in the SRST config list

2.3.212.12 resettoggle (FI-3106)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset
Rule (RI-271):	Type: Active (Insert/Update) Rule Name: srst versionstamp Description: on change to anything in srst table, update device versionstamp Test Condition: update device

2.3.212.13 sipipaddr1 (FI-2365)	
Type:	string [15]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])$
Remarks:	SIP IP Address for the first device in the SRST config list. Enter the IP address of the gateway for devices in a device pool to use as an SRST reference.
2.3.212.14 sipipaddr2 (FI-2366)	
Type:	string [15]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])$
Remarks:	SIP IP Address for the second device in the SRST config list
2.3.212.15 sipipaddr3 (FI-2367)	
Type:	string [15]
Default Value:	EMPTY
Validation:	^((25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])\.){3}(25[0-5]|2[0-4][0-9]|1[0-9]{2}|[1-9]?[0-9])$
Remarks:	SIP IP Address for the third device in the SRST config list
2.3.212.16 sipport1 (FI-2368)	
Type:	long
Default Value:	5060
Check Constraint:	(SIPPort1 >= 1024) AND (SIPPort1 <= 49151)
Remarks:	SIP port number for the first device in the SRST config list
2.3.212.17 sipport2 (FI-2369)	
Type:	long
Default Value:	5060
Check Constraint:	(SIPPort2 >= 1024) AND (SIPPort2 <= 49151)
Remarks:	SIP port number for the second device in the SRST config list
2.3.212.18 sipport3 (FI-2370)	
Type:	long
Default Value:	5060

Check Constraint:	(SIPPort3 >= 1024) AND (SIPPort3 <= 49151)
Remarks:	SIP port number for the third device in the SRST config list

2.3.212.19 tkreset (FI-3107)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.212.20 tksrstoption (FI-1217)

Type:	enum
Default Value:	4
Remarks:	Indicate what kind of SRST configuration is

Rule (RFI-99):

Type:	Inter-field Condition and Constraint
Test Condition:	UserModifiable = 'f'
Constraint:	
Restriction:	Not Modifiable
Remarks:	Cannot change system SRST records; update new and legacy records only

Rule (RI-149):

Type:	Validation (Insert/Update)
Rule Name:	SRST Option for User Defined
Description:	All user-defined SRST records must have the corresponding SRSTOption (4). The other options are reserved for system defined SRST options.
Test Condition:	ON INSERT INTO SRST IF (@SRST.tkSRSTOption != 4) THEN throw exception
Error Message:	User-defined SRST records must use the corresponding SRST Option.
Remedy:	Set the SRST Option to User-defined and try again.

2.3.212.21 usermodifiable (FI-1216)

Type:	bool (Not Modifiable)
Default Value:	TRUE
Remarks:	Indicate whether use can modify this SRST configuration or not

	Rule (RFI-100):	Type:	Inter-field Condition and Constraint
		Test Condition:	tkSRSTOption = 4
		Default:	TRUE
		Constraint:	
		Restriction:	Not Modifiable
		Remarks:	Cannot change system SRST records; update new and legacy records only
	Rule (RI-150):	Type:	Validation (Insert/Update)
		Rule Name:	Cannot Delete Standard SRST
		Description:	The system installed default SRST records cannot be deleted. Only user defined entries can be deleted.
		Test Condition:	ON DELETE IF (@SRST.tkSRSTOption != 4) THEN throw exception (or could use ON DELETE IF (@SRST.userModifiable = FALSE) THEN throw exception)
		Error Message:	Cannot delete the system installed SRST records.
	Rule (RI-151):	Type:	Documentation (Developer notes only)
		Rule Name:	Do not include standard SRST in search
		Description:	The system installed standard SRST records are not modifiable, and should therefore not be included when searching for SRST items to edit (e.g., Find/List SRST page).
		Test Condition:	SELECT * FROM SRST WHERE userModifiable = TRUE AND (search condition)
Uniqueness:	No multicolumn uniqueness constraints		
Rules:	Rule (RI-150):	Type:	Validation (Insert/Update) Rule applied when record is deleted.
		Rule Name:	Cannot Delete Standard SRST
		Description:	The system installed default SRST records cannot be deleted. Only user defined entries can be deleted.
		Test Condition:	ON DELETE IF (@SRST.tkSRSTOption != 4) THEN throw exception (or could use ON DELETE IF (@SRST.userModifiable = FALSE) THEN throw exception)
		Error Message:	Cannot delete the system installed SRST records.

2.3.213 supportsfeatureattributemap (TI-210)

Description: Contains the mapping between the product support feature and the actual field name in the database
Records may be modified only by installation and/or DB triggers.

Fields:

2.3.213.1 emimpact (FI-1401)

Type:	bool
Default Value:	FALSE
Remarks:	The indicator for being overwritten during EM log in/out procedure

2.3.213.2 fieldname (FI-1400)

Type:	string [64]
Default Value:	EMPTY
Remarks:	The name of the field that associated with the support feature. The field name is null implies that whole table is related with the support feature

2.3.213.3 isbooleanfield (FI-3056)

Type:	bool
Default Value:	FALSE
Remarks:	If true, then the field is a boolean column.

2.3.213.4 pkid (FI-1396)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.213.5 tablename (FI-1398)

Type:	string [0] (Indexed)
Default Value:	EMPTY
Remarks:	The name of the table the associated with supported features

2.3.213.6 tksupportsfeature (FI-1397)

Type:	enum (Null OK)
Default Value:	NULL
Remarks:	The reference to product support features

2.3.213.7 usedefault (FI-1402)

	Type:	bool
	Default Value:	FALSE
	Remarks:	The indicator for using the default model profile configuration during mismatch type login.
	2.3.213.8 useenduser (FI-3055)	
	Type:	bool
	Default Value:	FALSE
	Remarks:	if set to true, then use the setting configured for enduser during EM login
Uniqueness:	tksupportsfeature + tablename + fieldname is unique. (MFI-37)	

2.3.214 tapssecurenumplan (TI-358)

Description:	Table containing the list of Secure DNs	
Fields:	**2.3.214.1 fknumplan (FI-2658)**	
	Type:	guid (Unique, Indexed, Cascade Delete)
	Remarks:	Unique ID to identify the secure DN
	2.3.214.2 pkid (FI-2657)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.215 tapsuserlocale (TI-357)

Description:	Table containing the list of supported user locales for TAPS application

Fields:	**2.3.215.1 pkid (FI-2659)**	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.215.2 tkuserlocale (FI-2665)	
	Type:	enum
	Remarks:	supported user Locales
Uniqueness:	No multicolumn uniqueness constraints	

2.3.216 telecaster (TI-91)

Description:	Telecaster information not in Device Table	
Fields:	**2.3.216.1 authenticationurl (FI-1003)**	
	Type:	string [255]
	Default Value:	EMPTY
	Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$
	2.3.216.2 directoryservicesurl1 (FI-311)	
	Type:	string [255]
	Default Value:	EMPTY
	Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$
	2.3.216.3 directoryservicesurl2 (FI-312)	
	Type:	string [255]
	Default Value:	EMPTY
	Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$
	2.3.216.4 fkdevice (FI-309)	
	Type:	guid (Unique, Indexed, Cascade Delete)

Rule (RI-23):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Synchronize Autogenerated Profile
	Description:	If the Enterprise Parameter for Autosync Profiles is true, the device referenced by Device. ikDevice_DefaultProfile, if it is an autogenerated profile, must be updated to match the settings of the phone
	Test Condition:	If ((SELECT COUNT(*) FROM ProcessConfig WHERE ParamName = 'enableAutoDeviceProfileSynChronize' AND ParamValue = 'T') AND (SELECT COUNT(*) FROM Device WHERE Device.pkid = @Device.ikDevice_DefaultProfile AND Device.tkDeviceProfile = 2)) Then update (refresh) Autogenerated Device Profile
Rule (RI-152):	Type:	Validation (Insert/Update)
	Rule Name:	Telecaster Device
	Description:	Telecaster records must reference a device that supports IP Phone Services.
	Test Condition:	SELECT count(*) into nRows FROM ProductSupportsFeature WHERE (tkProduct IN (SELECT tkProduct FROM ProductSupportsFeature WHERE tkSupportsFeature = 1) AND tkDeviceProtocol IN ((SELECT tkDeviceProtocol FROM Device where pkid = @Telecaster. fkDevice),99)
	Error Message:	Telecaster table may only reference devices that support IP Phone Services..
	Remedy:	Make sure device referenced by the fkDevice value supports IP Phone Services.

2.3.216.5 idletimeout (FI-938)

Type:	long (Null OK)
Default Value:	NULL
Check Constraint:	(IdleTimeout >= 0) AND (IdleTimeout <= 99999)

2.3.216.6 idleurl (FI-937)

Type:	string [255]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$

2.3.216.7 pkid (FI-308)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

	Rule (RI-285):	Type:	Active (Insert/Update)
		Rule Name:	telecaster versionstamp
		Description:	on change to anything in telecaster table, update device versionstamp
		Test Condition:	update device
	2.3.216.8 proxyurl (FI-1002)		
	Type:	string [255]	
	Default Value:	EMPTY	
	Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$	
	2.3.216.9 voicemailurl1 (FI-313)		
	Type:	string [255]	
	Default Value:	EMPTY	
	Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$	
	2.3.216.10 voicemailurl2 (FI-314)		
	Type:	string [255]	
	Default Value:	EMPTY	
	Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$	
Uniqueness:	No multicolumn uniqueness constraints		
Rules:	Rule (RI-101):	Type:	Active (Insert/Update/Delete records) Rule applied when record is updated. This table is modified by this rule.
		Rule Name:	Sync Device Profile on Device Changes
		Description:	If the information related to a device with an autogenerated device profile changes, and the enterprise parameter for autosync profiles is true, then the autogenerated device profile must be re-generated. This includes changes to the DeviceAddonModuleMap, Telecaster, Telecaster SubscribedServices, SpeedDial, and DeviceNumPlanMap tables.
		Test Condition:	(SELECT COUNT(*) FROM ProcessConfig WHERE (ParamName = 'AutosyncDeviceProfile') AND (ParamValue = 'T') > 0) AND (SELECT tkDeviceProfile FROM Device WHERE (pkid = @Device.ikDevice_DefaultDeviceProfile) = 2) AND (SELECT LoginTime FROM Device WHERE (pkid = @Device.pkid) != 0)

2.3.217 telecasterservice (TI-134)

Description: High level information about a Cisco IP Phone Service that can be subscribed to.

Fields:

2.3.217.1 description (FI-746)

Type:	memo (Null OK)
Default Value:	NULL
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,100}$

2.3.217.2 enabled (FI-3625)

Type:	bool
Default Value:	TRUE
Remarks:	If true the service is available for subscription, or displayed as an enterprise subscription; if false it is not shown or available

Rule (RI-485):

Type:	Active (Insert/Update/Delete records)
Rule Name:	Update GroupVersionStamp for EnterpriseSubscription changes
Description:	When an IP Phone Service that is marked as an Enterprise Subscription is inserted, modified or deleted, the GroupVersionStamp is updated.
Test Condition:	ON INSERT/UPDATE/DELETE IN TelecasterService: IF (mode <> 'D' AND new_EnterpriseSubscription = 't') OR (mode = 'D' AND old_EnterpriseSubscription = 't') THEN UPDATE TypeGroupVersionStamp SET versionstamp = versionstampgenerator() where enum = 1; END IF;

2.3.217.3 enterprisesubscription (FI-3624)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	If true the service is shown in the service list for all devices in the cluster; if false service must be subscribed to following normal process

Rule (RI-485):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Update GroupVersionStamp for EnterpriseSubscription changes
	Description:	When an IP Phone Service that is marked as an Enterprise Subscription is inserted, modified or deleted, the GroupVersionStamp is updated.
	Test Condition:	ON INSERT/UPDATE/DELETE IN TelecasterService: IF (mode <> 'D' AND new_EnterpriseSubscription = 't') OR (mode = 'D' AND old_EnterpriseSubscription = 't') THEN UPDATE TypeGroupVersionStamp SET versionstamp = versionstampgenerator() where enum = 1; END IF;

2.3.217.4 name (FI-744)

Type:	string [128]
Validation:	^[^"""]{1,32}$
Remarks:	Name of IP Phone Service (allows Unicode).

2.3.217.5 nameascii (FI-1792)

Type:	string [32]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,32}$
Migration Source:	TelecasterService.name if all chars are less than 127
Remarks:	A safe version of the Label using only English letters (a to Z) and punctuation.

2.3.217.6 pkid (FI-743)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

Rule (RI-485):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Update GroupVersionStamp for EnterpriseSubscription changes
	Description:	When an IP Phone Service that is marked as an Enterprise Subscription is inserted, modified or deleted, the GroupVersionStamp is updated.
	Test Condition:	ON INSERT/UPDATE/DELETE IN TelecasterService: IF (mode <> 'D' AND new_EnterpriseSubscription = 't') OR (mode = 'D' AND old_EnterpriseSubscription = 't') THEN UPDATE TypeGroupVersionStamp SET versionstamp = versionstampgenerator() where enum = 1; END IF;

2.3.217.7 priority (FI-3630)	
Type:	long
Default Value:	50
Check Constraint:	(Priority >= 1) AND (Priority <= 100)
Remarks:	Priority from low to high defines where in a list a Service should appear: 1 = top of list, 50 (default) = middle, 100 = bottom
2.3.217.8 tkphoneservice (FI-3621)	
Type:	enum
Default Value:	0
Remarks:	Identifies the button (services, directories, messages) for which a service is displayed when subscribed
2.3.217.9 tkphoneservicecategory (FI-3636)	
Type:	enum
Default Value:	0
Remarks:	Identifies the button (services, directories, messages) for which a service is displayed when subscribed
2.3.217.10 urltemplate (FI-745)	
Type:	memo
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{1,512}$
2.3.217.11 vendor (FI-3622)	
Type:	string [255]
Default Value:	EMPTY
Validation:	^[^""]{0,64}$
Remarks:	Identifies the source of the service
2.3.217.12 version (FI-3623)	
Type:	string [16]
Default Value:	EMPTY
Validation:	^[0-9.]{0,16}$
Remarks:	Identifies the version of the service
Uniqueness:	No multicolumn uniqueness constraints

Rules:	Rule (RI-153):		
		Type:	Warning (Message for UI only) Rule applied when record is updated.
		Rule Name:	Generate Telecaster Subscribed Services
		Description:	When an IP Phone Service (Telecaster Service table) is updated and the base URL (TelecasterService.URLTemplate) for the service changes, all subscriptions to the service must be updated programatically to reflect the new base in the Service URL. The update of subscribed services is not automatic so that multiple changes can be made, and distinct required values can be added for individual subscriptions.
		Test Condition:	ON SET (@TelecasterService.URLTemplate != TelecasterService.URLTemplate) (change URL Template)

2.3.218 telecasterserviceparameter (TI-135)

Description: Details about parameters on the query string for a Cisco IP Phone Service.

Fields:

2.3.218.1 defaultvalue (FI-758)

Type:	string [100]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !@#$%^&*()_+=[{}\|';:,.<>/?`~\\-]{0,100}$

2.3.218.2 description (FI-750)

Type:	memo (Null OK)
Default Value:	NULL
Validation:	^[]a-zA-Z0-9 !#$&'()*+,./:;=?@[^_`{\|}~\\-]{0,500}$

2.3.218.3 displayname (FI-788)

Type:	string [50]
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{1,50}$

2.3.218.4 fktelecasterservice (FI-748)

Type:	guid (Indexed, Cascade Delete)

	Rule (RI-477):	Type:	Validation (Insert/Update)
		Rule Name:	Cannot add parameters to service where EnterpriseSubscription = True
		Description:	If an IP Phone Service is defined as an EnterpriseSubscription service then all parameters must be defined in the BaseURL. TelecasterServiceParameters cannot be used because they require individual subscriptions, which are not allowed for EnterpriseSubscription Services.
		Test Condition:	ON INSERT/UPDATE IN TelecasterSubscribedParameter: IF (SELECT IsEnterpriseSubscrpition FROM TelecasterService WHERE pkid = new_fkTelecasterService) = 't' THEN throw exception; END IF;
		Error Message:	Cannot add user-defined parameters to EnterpriseSubscriptions
		Remedy:	Include all parameters in the Base URL. If individual settings are needed, use a regular IP Phone Service.
	2.3.218.5 hidden (FI-1020)		
	Type:	bool	
	Default Value:	FALSE	
	2.3.218.6 name (FI-749)		
	Type:	string [50]	
	Validation:	^[a-zA-Z0-9_./:;,-]{1,50}$	
	2.3.218.7 pkid (FI-747)		
	Type:	guid (Unique, Indexed, Not Modifiable)	
	Default Value:	newid()	
	Migration Source:	Generated	
	Remarks:	Unique ID to identify a record.	
	2.3.218.8 required (FI-751)		
	Type:	bool	
	Default Value:	TRUE	
Uniqueness:	No multicolumn uniqueness constraints		

2.3.219 telecastersubscribedparameter (TI-136)

Description:	The user specified value for a query string parameter for a subscribed Telecaster Service.

Fields:

2.3.219.1 fktelecasterserviceparameter (FI-755)

Type:	guid (Cascade Delete)

2.3.219.2 fktelecastersubscribedservice (FI-754)

Type:	guid (Indexed, Cascade Delete)

2.3.219.3 pkid (FI-753)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.219.4 value (FI-757)

Type:	string [100]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !@#$%^&*()_+=[{}\|';:,.<>/?`~\\-]{0,100}$
Rule (RI-166):	

Type:	Default (Defines a default value)
Rule Name:	Set Subscribed Service Parameter Default
Description:	When a subscribed service parameter record is inserted, if no value is specified for the parameter, the default value is set by retrieving the Value from the TelecasterServiceParameter record for that parameter. The Default is set prior to inserting the value in the database (i.e., as a pre-trigger).
Test Condition:	IF (@TelecasterSubscribedParameter.Value IS NULL) THEN @TelecasterSubscribedParameter = (SELECT DefaultValue FROM TelecasterServiceParameter WHERE pkid = @TelecasterSubscribedParameter.fkTelecasterServiceParameter)

Uniqueness: No multicolumn uniqueness constraints

Rules:	Rule (RI-101):	Type:	Active (Insert/Update/Delete records) Rule applied when record is updated. This table is modified by this rule.
		Rule Name:	Sync Device Profile on Device Changes
		Description:	If the information related to a device with an autogenerated device profile changes, and the enterprise parameter for autosync profiles is true, then the autogenerated device profile must be re-generated. This includes changes to the DeviceAddonModuleMap, Telecaster, Telecaster SubscribedServices, SpeedDial, and DeviceNumPlanMap tables.
		Test Condition:	(SELECT COUNT(*) FROM ProcessConfig WHERE (ParamName = 'AutosyncDeviceProfile') AND (ParamValue = 'T') > 0) AND (SELECT tkDeviceProfile FROM Device WHERE (pkid = @Device.ikDevice_DefaultDeviceProfile) = 2) AND (SELECT LoginTime FROM Device WHERE (pkid = @Device.pkid) != 0)
	Rule (RI-165):	Type:	Active (Insert/Update/Delete records) This table is modified by this rule.
		Rule Name:	Auto-insert Subscribed Service Parameters
		Description:	When a subscription to an IP Phone Service is created or updated, the subscribed parameters for the service are added to the TelecasterSubscribedParameter table if they do not exist.
		Test Condition:	INSERT OR UPDATE TelecasterSubscribedService
	Rule (RI-166):	Type:	Default (Defines a default value) Rule applied when record is inserted.
		Rule Name:	Set Subscribed Service Parameter Default
		Description:	When a subscribed service parameter record is inserted, if no value is specified for the parameter, the default value is set by retrieving the Value from the TelecasterServiceParameter record for that parameter. The Default is set prior to inserting the value in the database (i.e., as a pre-trigger).
		Test Condition:	IF (@TelecasterSubscribedParameter.Value IS NULL) THEN @TelecasterSubscribedParameter = (SELECT DefaultValue FROM TelecasterServiceParameter WHERE pkid = @TelecasterSubscribedParameter.fkTelecasterServiceParameter)

2.3.220 telecastersubscribedservice (TI-133)

Description:	Releates a device to a TelecasterService

Fields:

2.3.220.1 fkdevice (FI-740)

Type:	guid (Indexed, Cascade Delete)	
Rule (RI-23):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Synchronize Autogenerated Profile
	Description:	If the Enterprise Parameter for Autosync Profiles is true, the device referenced by Device. ikDevice_DefaultProfile, if it is an autogenerated profile, must be updated to match the settings of the phone
	Test Condition:	If ((SELECT COUNT(*) FROM ProcessConfig WHERE ParamName = 'enableAutoDeviceProfileSynChronize' AND ParamValue = 'T') AND (SELECT COUNT(*) FROM Device WHERE Device.pkid = @Device.ikDevice_DefaultProfile AND Device.tkDeviceProfile = 2)) Then update (refresh) Autogenerated Device Profile
Rule (RI-167):	Type:	Active (Insert/Update)
	Rule Name:	Update Subscribed Service URL
	Description:	When a subscribed service parameter value changes, the ServiceURL for the subscribed service must be updated (triggered by update of subscribed service record in DB).
	Test Condition:	IF (@TelecasterSubscribedParameter.Value != TelecasterSubscribedParameter.Value) THEN (UPDATE TelecasterSubscribedService WHERE pkid = @TelecasterSubscribedParameter. fkSubscribedService)
Rule (RI-189):	Type:	Validation (Insert/Update)
	Rule Name:	Max 100 Subscribed Services per device
	Description:	Current IP Phone firmware supports up to 100 subscribed services. The database enforces 100 as a maximum number of subscribed services for a device or device profile (that supports IP Phone Services).
	Test Condition:	On Insert into TelecasterSubscribedService IF (SELECT COUNT(*) FROM TelecasterSubscribedService WHERE fkDevice = @TelecasterSubscribedService.fkDevice) > 100 Then throw exception
	Error Message:	Cannot have more than 100 IP Phone Service subscriptions on a device.
	Remedy:	Remove one or more existing IP Phone Service subscriptions from the device and try again.

Rule (RI-422):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	TelecasterSubscribedService versionstamp for ServiceURL Button
	Description:	TelecasterSubscribedService can be assigned to a Service URL button. In that case does it effect phone configuration, whereas normally the subscribed services are accessed from a Services menu. Because there is a case where the service is assigned to a phone button, version stamp update of the device is needed. Changes to TelecasterSubscribedService table update the device versionstamp when a service is inserted, updated, or deleted AND the subscribed service has a URL button index <> 0. Changes to parameters are covered because the ServiceURL must be rewritten when parameters are changed, which will trigger the new versionstamp rule on TelecasterSubscribedService.
	Test Condition:	ON INSERT/UPDATE/DELETE IN TelecasterSubscribedService: IF (old_URLButtonIndex <> 0) OR (new_URLButtonIndex <> 0) AND NOT (cascade delete from device) THEN update device set versionstamp = vs where pkid = new_fkdevice;

2.3.220.2 fktelecasterservice (FI-752)

Type:	guid (Cascade Delete)	
Rule (RI-167):	Type:	Active (Insert/Update)
	Rule Name:	Update Subscribed Service URL
	Description:	When a subscribed service parameter value changes, the ServiceURL for the subscribed service must be updated (triggered by update of subscribed service record in DB).
	Test Condition:	IF (@TelecasterSubscribedParameter.Value != TelecasterSubscribedParameter.Value) THEN (UPDATE TelecasterSubscribedService WHERE pkid = @TelecasterSubscribedParameter. fkSubscribedService)
Rule (RI-476):	Type:	Validation (Insert/Update)
	Rule Name:	Cannot subscribe to service where EnterpriseSubscription = True
	Description:	If an IP Phone Service is defined as an EnterpriseSubscription service then individual devices cannot subscribe to the service. All devices get the service if it is active.
	Test Condition:	ON INSERT/UPDATE IN TelecasterSubscribedService: IF (SELECT IsEnterpriseSubscrpition FROM TelecasterService WHERE pkid = new_fkTelecasterService) = 't' THEN throw exception; END IF;
	Error Message:	Cannot Subscribe to an Enterprise Service.
	Remedy:	Service will appear on all phones if it is active.

2.3.220.3 pkid (FI-739)

Type:	guid (Unique, Indexed, Not Modifiable)

Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
Rule (RI-167):	Type: Active (Insert/Update) Rule Name: Update Subscribed Service URL Description: When a subscribed service parameter value changes, the ServiceURL for the subscribed service must be updated (triggered by update of subscribed service record in DB). Test Condition: IF (@TelecasterSubscribedParameter.Value != TelecasterSubscribedParameter.Value) THEN (UPDATE TelecasterSubscribedService WHERE pkid = @TelecasterSubscribedParameter.fkSubscribedService)

2.3.220.4 servicename (FI-742)

Type:	string [128]
Validation:	^[^"""]{1,32}$
Remarks:	Name of Subscribed IP Phone Service (allows Unicode).

2.3.220.5 servicenameascii (FI-1793)

Type:	string [32]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !@#$%^&*()_+=[{}\|';:,.<>/?`~\\-]{0,32}$
Migration Source:	TelecasterSubscribedService
Remarks:	A safe version of the Subscribed IP Phone Service Name using only English letters (a to Z) and punctuation.

2.3.220.6 serviceurl (FI-741)

Type:	memo
Remarks:	Trigger updated. Build the complete URL with parameters based on TelecasterSubscribedParameter.

Rule (RI-164):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	Genereate Subscribed Service URL
	Description:	When a subscription to an IP Phone Service is created or updated, the full SubscribedServiceURL must be generated. The URL is built for each subscription by taking the URLTemplate of the service, and adding the TelecasterSubscribedParameters for the service. Appropriate URL syntax and escaping is applied: A question mark is added to the end of the URL to indicate the start of the parameter list (unless the URLTemplate already contains parameters). The subscribed parameters are then added to the URL as a list of key-value pairs (key=value) separated by an ampersand (&). Special characters (spaces, dots, percent signs, etc.) in parameter values are escaped as necessary using %nn notation where nn is the hexadecimal value of the escaped character.
	Test Condition:	INSERT OR UPDATE TelecasterSubscribedService
Rule (RI-167):	Type:	Active (Insert/Update) This field is modified by this rule.
	Rule Name:	Update Subscribed Service URL
	Description:	When a subscribed service parameter value changes, the ServiceURL for the subscribed service must be updated (triggered by update of subscribed service record in DB).
	Test Condition:	IF (@TelecasterSubscribedParameter.Value != TelecasterSubscribedParameter.Value) THEN (UPDATE TelecasterSubscribedService WHERE pkid = @TelecasterSubscribedParameter.fkSubscribedService)
Rule (RI-167):	Type:	Active (Insert/Update)
	Rule Name:	Update Subscribed Service URL
	Description:	When a subscribed service parameter value changes, the ServiceURL for the subscribed service must be updated (triggered by update of subscribed service record in DB).
	Test Condition:	IF (@TelecasterSubscribedParameter.Value != TelecasterSubscribedParameter.Value) THEN (UPDATE TelecasterSubscribedService WHERE pkid = @TelecasterSubscribedParameter.fkSubscribedService)

2.3.220.7 urlbuttonindex (FI-1330)

Type:	long
Default Value:	0
Remarks:	The index for feature URL. Index 0 is for normal subscribed services. Not-0 index should be unqiue on device based.

2.3.220.8 urllabel (FI-1362)

	Type:	string [200]
	Default Value:	EMPTY
	Validation:	^[^"""%&<>]{0,50}$
	Remarks:	The display label for URL.
	2.3.220.9 urllabelascii (FI-1791)	
	Type:	string [50]
	Default Value:	EMPTY
	Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{0,50}$
	Migration Source:	TelecasterSubscribedService
	Remarks:	A safe version of the URL Button Label using only English letters (a to Z) and punctuation.
Uniqueness:	No multicolumn uniqueness constraints	
Rules:	Rule (RI-101):	

Type:	Active (Insert/Update/Delete records) Rule applied when record is updated. This table is modified by this rule.
Rule Name:	Sync Device Profile on Device Changes
Description:	If the information related to a device with an autogenerated device profile changes, and the enterprise parameter for autosync profiles is true, then the autogenerated device profile must be re-generated. This includes changes to the DeviceAddonModuleMap, Telecaster, Telecaster SubscribedServices, SpeedDial, and DeviceNumPlanMap tables.
Test Condition:	(SELECT COUNT(*) FROM ProcessConfig WHERE (ParamName = 'AutosyncDeviceProfile') AND (ParamValue = 'T') > 0) AND (SELECT tkDeviceProfile FROM Device WHERE (pkid = @Device.ikDevice_DefaultDeviceProfile) = 2) AND (SELECT LoginTime FROM Device WHERE (pkid = @Device.pkid) != 0)

Rule (RI-164):

Type:	Active (Insert/Update/Delete records) Rule applied when record is inserted.
Rule Name:	Genereate Subscribed Service URL

	Description:	When a subscription to an IP Phone Service is created or updated, the full SubscribedServiceURL must be generated. The URL is built for each subscription by taking the URLTemplate of the service, and adding the TelecasterSubscribedParameters for the service. Appropriate URL syntax and escaping is applied: A question mark is added to the end of the URL to indicate the start of the parameter list (unless the URLTemplate already contains parameters). The subscribed parameters are then added to the URL as a list of key-value pairs (key=value) separated by an ampersand (&). Special characters (spaces, dots, percent signs, etc.) in parameter values are escaped as necessary using %nn notation where nn is the hexadecimal value of the escaped character.
	Test Condition:	INSERT OR UPDATE TelecasterSubscribedService
Rule (RI-189):	Type:	Validation (Insert/Update) Rule applied when record is inserted.
	Rule Name:	Max 100 Subscribed Services per device
	Description:	Current IP Phone firmware supports up to 100 subscribed services. The database enforces 100 as a maximum number of subscribed services for a device or device profile (that supports IP Phone Services).
	Test Condition:	On Insert into TelecasterSubscribedService IF (SELECT COUNT(*) FROM TelecasterSubscribedService WHERE fkDevice = @TelecasterSubscribedService.fkDevice) > 100 Then throw exception
	Error Message:	Cannot have more than 100 IP Phone Service subscriptions on a device.
	Remedy:	Remove one or more existing IP Phone Service subscriptions from the device and try again.

2.3.221 testnotify (TI-371)

Description: Test change notification

Fields:

2.3.221.1 intvalue (FI-2749)

Type:	long (Null OK)

2.3.221.2 name (FI-2747)

Type:	string [50]

2.3.221.3 pkid (FI-2746)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.221.4 stringvalue (FI-2748)

Type:	string [50]
Default Value:	EMPTY

Uniqueness: No multicolumn uniqueness constraints

2.3.222 timeperiod (TI-306)

Description: List of all Time Period

Fields:

2.3.222.1 dayofmonth (FI-2136)

Type:	long	
Default Value:	0	
Check Constraint:	(DayOfMonth >=0) AND (DayOfMonth <=31)	
Rule (RFI-213):	Type:	Inter-field Condition and Constraint
	Test Condition:	fkEndUser IS NOT NULL
	Constraint:	(DayOfMonth = 0) AND (DayOfMonth_End = 0) AND (tkMonthOfYear =0) AND (tkMonthOfYear_End = 0)
	Remarks:	EndUser TimePeriods must have the day of month and month of year to be 0
Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place

2.3.222.2 dayofmonth_end (FI-3540)

Type:	long
Default Value:	0
Check Constraint:	(DayOfMonth_End>=0) AND (DayOfMonth_End <=31)
Remarks:	End of time period day

Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place

2.3.222.3 description (FI-3538)

Type:	string [512]
Default Value:	EMPTY
Validation:	^[^%&<>\\"""]{0,128}$
Remarks:	Description of the Time Period, up to 128 characters including Unicode

Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place

2.3.222.4 fkenduser (FI-3539)

Type:	guid (Cascade Delete, Not Modifiable, Null OK)
Default Value:	NULL
Remarks:	Owner of the TimePeriod. Empty by default indicating a system owned time period

Rule (RI-445):	Type:	Validation (Insert/Update)
	Rule Name:	TimePeriod.Name Uniqueness Restriction
	Description:	TimePeriod.fkEndUser + TimePeriod.name must be unique. Name is a duplicate (case-insensitive) if it already exists for a user,even if the fkenduser is NULL
	Test Condition:	ON INSERT/UPDATE in TimePeriod: SELECT Count(*) from TimePeriod WHERE Name = new_Name and fkEnduser = new_fkenduser. IF Count(*) returns more than 1, throw Exception.
	Error Message:	This TimePeriod Name exists for current user
	Remedy:	Use a different name and try again
Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place
Rule (RI-596):	Type:	Validation (Insert/Update)
	Rule Name:	tkDayOfWeek should be unique for all timeperiods in a enduser timeschedule
	Description:	tkDayOfWeek should be unique for all timeperiods in a enduser timeschedule
	Test Condition:	On Insert or Update TimeScheduleTimePeriodMap
	Error Message:	tkDayOfWeek should be unique for all timeperiods in a enduser timeschedule

2.3.222.5 ispublished (FI-3542)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Reserved for future use

Rule (RFI-178):	Type:	Inter-field Condition and Constraint
	Test Condition:	pkid IS NOT NULL
	Constraint:	IsPublished = 'f'
	Remarks:	TimePeriods cannot be published in this release

Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place

2.3.222.6 name (FI-2134)

Type:	string [50] (Indexed)
Validation:	^[a-zA-Z 0-9._-]{1,50}$

Rule (RI-445):	Type:	Validation (Insert/Update)
	Rule Name:	TimePeriod.Name Uniqueness Restriction
	Description:	TimePeriod.fkEndUser + TimePeriod.name must be unique. Name is a duplicate (case-insensitive) if it already exists for a user,even if the fkenduser is NULL
	Test Condition:	ON INSERT/UPDATE in TimePeriod: SELECT Count(*) from TimePeriod WHERE Name = new_Name and fkEnduser = new_fkenduser. IF Count(*) returns more than 1, throw Exception.
	Error Message:	This TimePeriod Name exists for current user
	Remedy:	Use a different name and try again

Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place

2.3.222.7 pkid (FI-2133)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place
Rule (RI-592):	Type:	Active (Delete)
	Rule Name:	Remove TimeScheduleTimePeriodMap when TimePeriod is removed
	Description:	When the TimePeriod is deleted from database then delete the Associated TimeScheduleTimePeriodMap
	Test Condition:	ON DELETE in TimePeriod: DELETE FROM TimeScheduleTimePeriodMap WHERE fkTimePeriod = @pkid
Rule (RI-596):	Type:	Validation (Insert/Update)
	Rule Name:	tkDayOfWeek should be unique for all timeperiods in a enduser timeschedule
	Description:	tkDayOfWeek should be unique for all timeperiods in a enduser timeschedule
	Test Condition:	On Insert or Update TimeScheduleTimePeriodMap
	Error Message:	tkDayOfWeek should be unique for all timeperiods in a enduser timeschedule

2.3.222.8 tkdayofweek_end (FI-2138)

Type:	enum
Default Value:	7

Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place

Rule (RI-596):	Type:	Validation (Insert/Update)
	Rule Name:	tkDayOfWeek should be unique for all timeperiods in a enduser timeschedule
	Description:	tkDayOfWeek should be unique for all timeperiods in a enduser timeschedule
	Test Condition:	On Insert or Update TimeScheduleTimePeriodMap
	Error Message:	tkDayOfWeek should be unique for all timeperiods in a enduser timeschedule

2.3.222.9 tkdayofweek_start (FI-2139)

Type:	enum
Default Value:	7

Rule (RFI-212):	Type:	Inter-field Condition and Constraint
	Test Condition:	fkEndUser IS NOT NULL
	Constraint:	(tkDayOfWeek_Start = tkDayOfWeek_End) AND (tkDayOfWeek_Start <>7)
	Remarks:	EndUser TimePeriods must have the endday of the week same as the startday of the week
Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place

2.3.222.10 tkmonthofyear (FI-2137)

Type:	enum
Default Value:	0

Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place

2.3.222.11 tkmonthofyear_end (FI-3541)

Type:	enum
Default Value:	0
Remarks:	End of time period month

Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place

2.3.222.12 tktimeofday_end (FI-2135)

Type:	enum
Default Value:	0

Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place

2.3.222.13 tktimeofday_start (FI-2140)

	Type:	enum	
	Default Value:	0	
	Rule (RI-465):	Type:	Validation (Update/Delete)
		Rule Name:	Cannot modify system time period and schedule for all the time
		Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
		Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
		Error Message:	Cannot modify or delete the time period and schedule for All the time.
		Remedy:	Create a new Time Period or Time Schedule to use in its place
Uniqueness:	No multicolumn uniqueness constraints		
Constraints:	Rule (RFI-136):	Type:	Inter-field Condition and Constraint
		Constraint:	((tkTimeOfDay_End = 0) AND (tkTimeOfDay_Start = 0)) OR (tkTimeOfDay_End > tkTimeOfDay_Start)
		Remarks:	End time must be later than start time if either time is specified
	Rule (RFI-177):	Type:	Inter-field Condition and Constraint
		Constraint:	(((tkMonthOfYear_End>0) AND (DayOfMonth_End>0)) OR ((tkMonthOfYear_End=0) AND (DayOfMonth_End=0)))
		Remarks:	Ending Month and Date must be used together. Either specify None for both or specify both the Month and Day.
	Rule (RFI-179):	Type:	Inter-field Condition and Constraint
		Constraint:	((tkMonthOfYear_End = 0) OR (tkMonthOfYear <= tkMonthOfYear_End))
		Remarks:	Ending month must be None ((tkMonthOfYear_End = 0), or it must be the same or later than the starting month (tkMonthOfYear)
	Rule (RFI-180):	Type:	Inter-field Condition and Constraint
		Constraint:	((tkMonthOfYear_End = 0) OR (tkMonthOfYear <> tkMonthOfYear_End) OR (DayOfMonth < DayOfMonth_End))
		Remarks:	If a Time Periods uses a Date Range with the same start and end Month, the End day must be greater (later) than the Start day

Rule (RFI-181):	Type:	Inter-field Condition and Constraint
	Constraint:	(tkMonthOfYear_End=0 OR (tkMonthOfYear>0 AND DayOfMonth >0))
	Remarks:	Start month and day cannot be none if end month and day are not none

2.3.223 timeschedule (TI-307)

Description: List of all Time Schedules

Fields:

2.3.223.1 description (FI-3543)

Type:	string [512]	
Default Value:	EMPTY	
Validation:	^[^%&<>\\"""]{0,128}$	
Remarks:	Description of the Time Schedule, up to 128 characters including Unicode	
Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place

2.3.223.2 fkenduser (FI-3544)

Type:	guid (Cascade Delete, Not Modifiable, Null OK)
Default Value:	NULL
Remarks:	Owner of the TimeSchedule. Empty by default indicating a system owned time schedule

Rule (RI-444):	Type:	Validation (Insert/Update)
	Rule Name:	TimeSchedule.Name Uniqueness Restriction
	Description:	TimeSchedule.fkEndUser + TimeSchedule.name must be unique. Name is a duplicate (case-insensitive) if it already exists for a user, even if the fkenduser is NULL
	Test Condition:	ON INSERT/UPDATE in TimeSchedule: SELECT Count(*) from TimeSchedule WHERE Name = new_Name and fkEnduser = new_fkenduser. IF Count(*) returns more than 1, throw Exception.
	Error Message:	This TimeSchedule Name exists for current user
	Remedy:	Use a different name and try again
Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place

2.3.223.3 ispublished (FI-3546)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Reserved for future use

Rule (RFI-182):	Type:	Inter-field Condition and Constraint
	Test Condition:	pkid IS NOT NULL
	Constraint:	IsPublished = 'f'
	Remarks:	TimeSchedules cannot be published in this release

Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place

2.3.223.4 name (FI-2141)

Type:	string [50] (Indexed)
Validation:	^[a-zA-Z 0-9._-]{1,50}$

Rule (RI-444):	Type:	Validation (Insert/Update)
	Rule Name:	TimeSchedule.Name Uniqueness Restriction
	Description:	TimeSchedule.fkEndUser + TimeSchedule.name must be unique. Name is a duplicate (case-insensitive) if it already exists for a user, even if the fkenduser is NULL
	Test Condition:	ON INSERT/UPDATE in TimeSchedule: SELECT Count(*) from TimeSchedule WHERE Name = new_Name and fkEnduser = new_fkenduser. IF Count(*) returns more than 1, throw Exception.
	Error Message:	This TimeSchedule Name exists for current user
	Remedy:	Use a different name and try again

Rule (RI-465):	Type:	Validation (Update/Delete)
	Rule Name:	Cannot modify system time period and schedule for all the time
	Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
	Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
	Error Message:	Cannot modify or delete the time period and schedule for All the time.
	Remedy:	Create a new Time Period or Time Schedule to use in its place

2.3.223.5 pkid (FI-2142)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

	Rule (RI-465):	Type:	Validation (Update/Delete)
		Rule Name:	Cannot modify system time period and schedule for all the time
		Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
		Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
		Error Message:	Cannot modify or delete the time period and schedule for All the time.
		Remedy:	Create a new Time Period or Time Schedule to use in its place

2.3.223.6 tktimeschedulecategory (FI-3545)

	Type:	enum	
	Default Value:	0	
	Check Constraint:	tkTimeScheduleCategory=0	
	Remarks:	Reserved for future use	
	Rule (RI-465):	Type:	Validation (Update/Delete)
		Rule Name:	Cannot modify system time period and schedule for all the time
		Description:	Cannot modify or delete the system Time Period or Time Schedule for all the time.
		Test Condition:	ON UPDATE/DELETE IN TimePeriod or TimeSchdule: IF (NVL(old_pkid, new_pkid) = '00000000-1111-0000-0000-000000000000') THEN throw exception.
		Error Message:	Cannot modify or delete the time period and schedule for All the time.
		Remedy:	Create a new Time Period or Time Schedule to use in its place
Uniqueness:	No multicolumn uniqueness constraints		

2.3.224 timescheduletimeperiodmap (TI-308)

Description:	Mapping between time schedules and time Records may be modified only by installation and/or DB triggers.

Fields:

2.3.224.1 fktimeperiod (FI-2143)

Type:	guid	
Rule (RI-458):	Type:	Validation (Insert/Update)
	Rule Name:	TimeSchedule.fkEndUser IsPublished Restriction
	Description:	TimeSchedule for EndUser can use EndUser's own and Published Admin time periods. TimeSchedule for Admin can use Admin Time Periods only, and only published periods in published schedules.
Rule (RI-466):	Type:	Validation (Insert/Update/Delete)
	Rule Name:	Cannot change the members of the All the time Schedule
	Description:	Cannot insert, modify, or delete the members of the All the time schedule and Cannot INSERT/UPDATE an EndUser TimePeriod with more than one TimeSchedule.
	Test Condition:	ON INSERT/UPDATE/DELETE IN TimeScheduleTimePeriodMap: IF (NVL(old_fkTimeSchedule, new_fkTimeSchedule = '00000000-1111-0000-0000-000000000000') THEN throw exception END IF;
	Error Message:	Cannot modify the members of the All the time Schedule
	Remedy:	Create a new Time Schedule to use in its place
Rule (RI-595):	Type:	Active (Delete)
	Rule Name:	Remove EndUser TimePeriod when TimeScheduleTimePeriodMap is Deleted
	Description:	When the TimeScheduleTimePeriodMap is deleted from database then delete the EndUser TimePeriod
	Test Condition:	ON DELETE in TimeScheduleTimePeriodMap: DELETE FROM TimePeriod WHERE pkid = @fkTimePeriod and fkEndUser is not Null
Rule (RI-596):	Type:	Validation (Insert/Update)
	Rule Name:	tkDayOfWeek should be unique for all timeperiods in a enduser timeschedule
	Description:	tkDayOfWeek should be unique for all timeperiods in a enduser timeschedule
	Test Condition:	On Insert or Update TimeScheduleTimePeriodMap
	Error Message:	tkDayOfWeek should be unique for all timeperiods in a enduser timeschedule

2.3.224.2 fktimeschedule (FI-2144)

Type:	guid (Cascade Delete)

Rule (RI-458):	Type:	Validation (Insert/Update)
	Rule Name:	TimeSchedule.fkEndUser IsPublished Restriction
	Description:	TimeSchedule for EndUser can use EndUser's own and Published Admin time periods. TimeSchedule for Admin can use Admin Time Periods only, and only published periods in published schedules.
Rule (RI-466):	Type:	Validation (Insert/Update/Delete)
	Rule Name:	Cannot change the members of the All the time Schedule
	Description:	Cannot insert, modify, or delete the members of the All the time schedule and Cannot INSERT/UPDATE an EndUser TimePeriod with more than one TimeSchedule.
	Test Condition:	ON INSERT/UPDATE/DELETE IN TimeScheduleTimePeriodMap: IF (NVL(old_fkTimeSchedule, new_fkTimeSchedule = '00000000-1111-0000-0000-000000000000') THEN throw exception END IF;
	Error Message:	Cannot modify the members of the All the time Schedule
	Remedy:	Create a new Time Schedule to use in its place
Rule (RI-596):	Type:	Validation (Insert/Update)
	Rule Name:	tkDayOfWeek should be unique for all timeperiods in a enduser timeschedule
	Description:	tkDayOfWeek should be unique for all timeperiods in a enduser timeschedule
	Test Condition:	On Insert or Update TimeScheduleTimePeriodMap
	Error Message:	tkDayOfWeek should be unique for all timeperiods in a enduser timeschedule

2.3.224.3 pkid (FI-2145)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

	Rule (RI-466):	Type:	Validation (Insert/Update/Delete)
		Rule Name:	Cannot change the members of the All the time Schedule
		Description:	Cannot insert, modify, or delete the members of the All the time schedule and Cannot INSERT/ UPDATE an EndUser TimePeriod with more than one TimeSchedule.
		Test Condition:	ON INSERT/UPDATE/DELETE IN TimeScheduleTimePeriodMap: IF (NVL(old_fkTimeSchedule, new_fkTimeSchedule = '00000000-1111-0000-0000-000000000000') THEN throw exception END IF;
		Error Message:	Cannot modify the members of the All the time Schedule
		Remedy:	Create a new Time Schedule to use in its place
Uniqueness:	No multicolumn uniqueness constraints		

2.3.225 todaccess (TI-475)

Description:	Time Of Day Access

Fields:

2.3.225.1 description (FI-3549)

Type:	string [512]
Default Value:	EMPTY
Validation:	^[^%&<>\\"""]{0,128}$
Remarks:	Description of the Time of Day Access list, up to 128 characters including Unicode

2.3.225.2 fkenduser (FI-3550)

Type:	guid (Cascade Delete, Not Modifiable)
Remarks:	EndUser associated with the Time of Day Access list. Write-once, cannot be changed to a different user

2.3.225.3 name (FI-3548)

Type:	string [200]
Validation:	^[^%&<>\\"""]{0,50}$
Remarks:	Unique name for an EndUser ToDAccess list. (Same name can be used by different EndUsers.)

2.3.225.4 pkid (FI-3547)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Uniqueness:	fkenduser + name is unique. (MFI-106)

2.3.226 todaccesssetting (TI-476)

Description:	Time Of Day Access setting (maps time schedules to ToD Access)

Fields:

2.3.226.1 fkcallerfilterlist (FI-3553)

Type:	guid (Null OK)	
Remarks:	References the CallerFilterLlist for this ToDAccess setting. Must have same fkEndUser as the referenced ToDAccess and Time Schedule.	
Rule (RI-461):	Type:	Validation (Insert/Update)
	Rule Name:	ToDAccessSetting fkEndUser Restriction
	Description:	ToDAccess Settings must have the same EndUser for the referenced ToDAcesss and CallerFilterList records. The fkEndUser of the referenced TimeSchedule must be: a) the same as the ToDAccess.fkEndUser, or b) fkEndUser NULL and IsPublished is 't' on the referenced TimeSchedule record.

2.3.226.2 fktimeschedule (FI-3554)

Type:	guid (Null OK)	
Remarks:	References the Time Schedule for this ToDAccess setting. Must have same fkEndUser as the referenced CallerFilterList and ToDAccess.	
Rule (RI-461):	Type:	Validation (Insert/Update)
	Rule Name:	ToDAccessSetting fkEndUser Restriction
	Description:	ToDAccess Settings must have the same EndUser for the referenced ToDAcesss and CallerFilterList records. The fkEndUser of the referenced TimeSchedule must be: a) the same as the ToDAccess.fkEndUser, or b) fkEndUser NULL and IsPublished is 't' on the referenced TimeSchedule record.
Rule (RI-594):	Type:	Active (Delete)
	Rule Name:	Remove EndUser TimeSchedule when TODAccessSetting is Deleted
	Description:	When the ToDAccessSetting is deleted from database then delete the EndUser TimeSchedule
	Test Condition:	ON DELETE in ToDAccessSetting: DELETE FROM Device WHERE pkid = @fkTimeSchedule and fkEndUser is not Null

2.3.226.3 fktodaccess (FI-3552)

	Type:	guid (Unique, Cascade Delete)
	Remarks:	References the ToDAccess list to which this setting belongs. Must have same fkEndUser as the referenced CallerFilterList and Time Schedule.
	Rule (RI-461):	Type: Validation (Insert/Update) Rule Name: ToDAccessSetting fkEndUser Restriction Description: ToDAccess Settings must have the same EndUser for the referenced ToDAcesss and CallerFilterList records. The fkEndUser of the referenced TimeSchedule must be: a) the same as the ToDAccess.fkEndUser, or b) fkEndUser NULL and IsPublished is 't' on the referenced TimeSchedule record.
	2.3.226.4 pkid (FI-3551)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	fktodaccess + fkcallerfilterlist + fktimeschedule is unique. (MFI-107)	

2.3.227 treecontrolgroupnodes (TI-227)

Description:	Contains records to build the CCMAdmin tree control Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.227.1 action (FI-1630)**
	Type: string [255] (Not Modifiable)
	Default Value: EMPTY
	2.3.227.2 displayorder (FI-1632)
	Type: long (Not Modifiable, Null OK)
	Default Value: NULL
	2.3.227.3 expanded (FI-1631)
	Type: bool (Not Modifiable)
	Default Value: 0
	2.3.227.4 groupname (FI-1636)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY

2.3.227.5 icon (FI-1635)	
Type:	string [255] (Not Modifiable)
Default Value:	EMPTY
2.3.227.6 label (FI-1639)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
2.3.227.7 nodename (FI-1637)	
Type:	string [50] (Unique, Not Modifiable)
Default Value:	EMPTY
2.3.227.8 pkid (FI-1638)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.227.9 productmask (FI-3320)	
Type:	long
Default Value:	1
Remarks:	Bitmask of products to which this menu applies (CCM, Unity, etc.)
2.3.227.10 target (FI-1634)	
Type:	string [255] (Not Modifiable)
Default Value:	EMPTY
2.3.227.11 tkresource (FI-1825)	
Type:	enum (Not Modifiable, Null OK)
Default Value:	NULL
2.3.227.12 tooltip (FI-1633)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints

2.3.228 troubleshootingtrace (TI-370)

Description:	Trace settings for troubleshooting page
Fields:	**2.3.228.1 devicenamemonitorflag (FI-2736)**
	Type: bool
	Default Value: FALSE
	2.3.228.2 devicetypemonitorflag (FI-2735)
	Type: bool
	Default Value: FALSE
	2.3.228.3 enable (FI-2729)
	Type: bool
	Default Value: FALSE
	2.3.228.4 filetraceflag (FI-2737)
	Type: bool
	Default Value: FALSE
	2.3.228.5 fkprocessnode (FI-2725)
	Type: guid (Indexed, Cascade Delete)
	2.3.228.6 includenondevicetraces (FI-2733)
	Type: bool
	Default Value: FALSE
	2.3.228.7 maxfilesize (FI-2739)
	Type: long
	Default Value: 1000
	2.3.228.8 numfiles (FI-2730)
	Type: long
	Default Value: 250
	2.3.228.9 numlines (FI-2731)
	Type: long
	Default Value: 10000
	2.3.228.10 numminutes (FI-2732)
	Type: long

Default Value:	1440
2.3.228.11 outputdebugstringflag (FI-2738)	
Type:	bool
Default Value:	FALSE
2.3.228.12 pkid (FI-2724)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.228.13 sdltracedataflags (FI-2742)	
Type:	string [10]
Default Value:	0x00000111
2.3.228.14 sdltraceflag (FI-2740)	
Type:	bool
Default Value:	FALSE
2.3.228.15 sdltracemaxfilesize (FI-3153)	
Type:	long
Default Value:	2
Check Constraint:	((sdltracemaxfilesize >= 1) AND (sdltracemaxfilesize <=10))
2.3.228.16 sdltracemaxlines (FI-2745)	
Type:	long
Default Value:	10000
2.3.228.17 sdltracetotalnumfiles (FI-2744)	
Type:	long
Default Value:	250
2.3.228.18 sdltracetypeflags (FI-2741)	
Type:	string [10]
Default Value:	0x00D0CB15
2.3.228.19 sdlxmlflag (FI-2743)	
Type:	bool

	Default Value:	FALSE
	2.3.228.20 tkservice (FI-2726)	
	Type:	enum
	2.3.228.21 tracelevel (FI-2727)	
	Type:	long
	Default Value:	0
	2.3.228.22 usercategories (FI-2728)	
	Type:	long
	Default Value:	0
	2.3.228.23 usexml (FI-2734)	
	Type:	bool
	Default Value:	FALSE
Uniqueness:	No multicolumn uniqueness constraints	

2.3.229 typeadminboolean (TI-302)

Description:	Tri-state boolean values Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.229.1 enum (FI-2119)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.229.2 moniker (FI-2121)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.229.3 name (FI-2120)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.230 typeadminerror (TI-287)

Description:	null Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.230.1 enum (FI-2005)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.230.2 moniker (FI-2007)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.230.3 name (FI-2006)** Type: string [512] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.231 typeadminfieldinfo (TI-301)

Description:	Overrides field info entries for validation Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.231.1 checkconstraint (FI-2115)** Type: string [255] (Not Modifiable) Default Value: EMPTY **2.3.231.2 enum (FI-2111)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.231.3 overunique (FI-2118)** Type: string [255] (Not Modifiable) Default Value: EMPTY **2.3.231.4 propnotnull (FI-2117)** Type: bool (Not Modifiable) Default Value: FALSE

2.3.231.5 propnull (FI-2116)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
2.3.231.6 tkadminboolean_isunique (FI-2113)	
Type:	enum (Not Modifiable)
Default Value:	2
2.3.231.7 tkadminboolean_nullallowed (FI-2112)	
Type:	enum (Not Modifiable)
Default Value:	2
2.3.231.8 validation (FI-2114)	
Type:	string [255] (Not Modifiable)
Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints

2.3.232 typeadminfieldinfomap (TI-300)

Description:	Maps Admin fields for validation Records may be modified only by installation and/or DB triggers.
Fields:	
2.3.232.1 enum (FI-2105)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.232.2 maxlength (FI-2776)	
Type:	long (Not Modifiable, Null OK)
Remarks:	Maxlength for Textbox
2.3.232.3 property (FI-2107)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
2.3.232.4 tkadminfieldinfo (FI-2108)	
Type:	enum (Not Modifiable, Null OK)

	2.3.232.5 tkfieldinfo (FI-2109)
	Type: enum (Not Modifiable)
	2.3.232.6 tkrelatedfieldinfo (FI-2110)
	Type: enum (Not Modifiable, Null OK)
	2.3.232.7 tkwebpageinfo (FI-2106)
	Type: enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.233 typealarmseverity (TI-160)

Description:	Used for AlarmConfiguration severities Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.233.1 enum (FI-893)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.233.2 moniker (FI-895)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.233.3 name (FI-894)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.234 typeannouncements (TI-256)

Description:	IPVMSA apps announcements Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.234.1 enum (FI-1807)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.234.2 filename1 (FI-1810)	
	Type:	string [128] (Not Modifiable)
	Default Value:	EMPTY
	2.3.234.3 filename2 (FI-1812)	
	Type:	string [255] (Not Modifiable)
	Default Value:	EMPTY
	2.3.234.4 intervalvalue (FI-1809)	
	Type:	long (Not Modifiable)
	2.3.234.5 isuserlocale1 (FI-1811)	
	Type:	long (Not Modifiable)
	2.3.234.6 isuserlocale2 (FI-1813)	
	Type:	long (Not Modifiable)
	Default Value:	0
	2.3.234.7 name (FI-1808)	
	Type:	string [128] (Unique, Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.235 typeapplication (TI-214)

Description:	List of applications that support MLA Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.235.1 enum (FI-1414)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.235.2 moniker (FI-1615)	
	Type:	string [128] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.235.3 name (FI-1415)	
	Type:	string [50] (Unique, Not Modifiable)
	2.3.235.4 vroot (FI-1416)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints	

2.3.236 typeapplicationdialrule (TI-391)

Description:	Various Dial Rules Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.236.1 enum (FI-2882)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.236.2 moniker (FI-2884)	
	Type:	string [100] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.236.3 name (FI-2883)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.237 typeappserver (TI-374)

Description:	Various types of App servers Records may be modified only by installation and/or DB triggers.

Fields:

2.3.237.1 administrationurltemplate (FI-3562)

Type:	string [255] (Not Modifiable)
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9!#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$
Remarks:	Used to create a link to the Administrative application for the AppServer; [IPAddr] replaced by AppServer.IPAddr, [HostName] replaced by AppServer.Name

2.3.237.2 enduserurltemplate (FI-3563)

Type:	string [255] (Not Modifiable)
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9!#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$
Remarks:	Used to create a link to the EndUser application for the AppServer; [IPAddr] replaced by AppServer.IPAddr, [HostName] replaced by AppServer.Name

2.3.237.3 enum (FI-2764)

Type:	enum (Unique, Not Modifiable)
Remarks:	A number to identify the record

2.3.237.4 moniker (FI-2767)

Type:	string [50] (Unique, Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.237.5 name (FI-2766)

Type:	string [100] (Not Modifiable)

Uniqueness: No multicolumn uniqueness constraints

2.3.238 typeappservercontent (TI-375)

Description:	Differentiates the contents per App server Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.238.1 enum (FI-2768)**
	Type: enum (Unique, Not Modifiable)
	Remarks: A number to identify the record
	2.3.238.2 moniker (FI-2770)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.238.3 name (FI-2769)
	Type: string [100] (Not Modifiable)
	2.3.238.4 tkappserver (FI-2771)
	Type: enum
Uniqueness:	No multicolumn uniqueness constraints

2.3.239 typeasn1roseoidencoding (TI-496)

Description:	For Qsig Variant Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.239.1 enum (FI-3763)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.239.2 moniker (FI-3765)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.239.3 name (FI-3764)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.240 typeauthenticationmode (TI-270)

Description:	Defines the different authentication means a phone can use while authenticating itself to CAPF (Certificate Authority Proxy Function). Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.240.1 enum (FI-1924)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.240.2 moniker (FI-1926)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.240.3 name (FI-1925)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.241 typeautoanswer (TI-174)

Description:	types of auto answer Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.241.1 enum (FI-1062)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.241.2 isintercomcompatible (FI-3452)** Type: bool (Not Modifiable) Default Value: FALSE Remarks: Whether this enum can be used for Intercom Feature **2.3.241.3 moniker (FI-1064)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.241.4 name (FI-1063)**

	Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.242 typebandwidth (TI-37)

Description:	network bandwidth between regions Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.242.1 bandwidth (FI-1199)**
	Type: long (Not Modifiable, Null OK)
	Default Value: NULL
	Remarks: This fields is added per CallProcessing request since the enum and the actual bandwidth used may not be the same.
	2.3.242.2 enum (FI-327)
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.242.3 moniker (FI-426)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.242.4 name (FI-328)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.243 typebarge (TI-464)

Description:	Types of Barge (and cBarge) Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.243.1 enum (FI-3462)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.243.2 moniker (FI-3464)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
	2.3.243.3 name (FI-3463)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.244 typebatfile (TI-400)

Description:	Used to differentiate the various types of files used by BAT Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.244.1 enum (FI-2987)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.244.2 moniker (FI-2989)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.244.3 name (FI-2988)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.245 typebatfilesubclause (TI-401)

Description:	Used to differentiate the various types of functions used by BAT Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.245.1 enum (FI-2990)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.245.2 moniker (FI-2992)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.245.3 name (FI-2991)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.246 typebatfrequency (TI-339)

Description:	Duration frequency types Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.246.1 enum (FI-2521)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.246.2 moniker (FI-2523)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.246.3 name (FI-2522)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.247 typebatfunction (TI-338)

Description:	Different Functions of BAT Jobs Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.247.1 allowsuploading (FI-2661)**	
	Type:	bool (Not Modifiable)
	Default Value:	FALSE
	Remarks:	Is the BAT CSV file uploaded for this function
	2.3.247.2 enum (FI-2518)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.247.3 filelocation (FI-2662)	
	Type:	string [100] (Null OK)
	Remarks:	Location of BAT CSV Files based on location
	2.3.247.4 moniker (FI-2520)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.247.5 name (FI-2519)	
	Type:	string [100] (Not Modifiable)
	2.3.247.6 tkbatfile (FI-2993)	
	Type:	enum (Indexed, Not Modifiable)
	Default Value:	0
	2.3.247.7 tkbatfilesubclause (FI-2994)	
	Type:	enum (Indexed, Not Modifiable)
	Default Value:	0
	2.3.247.8 tkbattarget (FI-2599)	
	Type:	enum (Indexed, Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.248 typebatfunctionfieldinfomap (TI-352)

Description:	Mapping of BAT function with Fields Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.248.1 displayname (FI-2615)** Type: string [50] Remarks: Display Name of the field in the BAT Pages **2.3.248.2 enum (FI-2610)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.248.3 ismandatory (FI-2614)** Type: bool Default Value: FALSE Remarks: Is the Field Mandatory **2.3.248.4 tkbatfunction (FI-2611)** Type: enum Remarks: Type of Input Data **2.3.248.5 tkbatusage (FI-2612)** Type: enum Remarks: Type of Input Data **2.3.248.6 tkconfiginputdata (FI-3446)** Type: enum (Not Modifiable, Null OK) Default Value: NULL **2.3.248.7 tkfieldinfo (FI-2613)** Type: enum Remarks: Holds the field enum
Uniqueness:	No multicolumn uniqueness constraints

2.3.249 typebatjobstatus (TI-343)

Description:	State of BAT Job Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.249.1 enum (FI-2542)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.249.2 moniker (FI-2544)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.249.3 name (FI-2543)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.250 typebatresultstatus (TI-351)

Description:	Status of BAT job results Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.250.1 enum (FI-2604)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.250.2 moniker (FI-2602)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.250.3 name (FI-2603)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.251 typebattarget (TI-340)

Description:	Target for which BAT is performed Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.251.1 enum (FI-2524)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.251.2 moniker (FI-2526)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.251.3 name (FI-2525)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.252 typebatusage (TI-342)

Description:	Data usage submitted from UI Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.252.1 enum (FI-2539)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.252.2 moniker (FI-2541)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.252.3 name (FI-2540)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.253 typebillingserverprotocol (TI-382)

Description:	billingserverprotocol (0 - SFTP,1 - FTP) Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.253.1 enum (FI-2849)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.253.2 moniker (FI-2850)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.253.3 name (FI-2851)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.254 typebitpos (TI-239)

Description:	Enumerates the bit positions Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.254.1 enum (FI-1733)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.254.2 moniker (FI-1734)	
	Type:	string [128] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.254.3 name (FI-1908)	
	Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.255 typeblfsdoption (TI-473)

Description:	Defines additional behaviors available with Busy Lamp Field (BLF) Speed Dial feature Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.255.1 enum (FI-3526)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.255.2 moniker (FI-3528)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.255.3 name (FI-3527)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.256 typeboolean (TI-38)

Description:	used by Web Admin for text conversion of boolean values. Not actually related to any other table. Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.256.1 enum (FI-329)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.256.2 moniker (FI-429)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.256.3 name (FI-330)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.257 typebriprotocol (TI-222)

Description:	supported BRI protocols Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.257.1 enum (FI-1571)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.257.2 moniker (FI-1573)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.257.3 name (FI-1572)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.258 typecallerfiltermask (TI-449)

Description:	Type of mask used as filter for Caller Lists Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.258.1 enum (FI-3392)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.258.2 moniker (FI-3394)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.258.3 name (FI-3393)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.259 typecallerid (TI-131)

Description:	ANI vs DNIS Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.259.1 enum (FI-721)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.259.2 moniker (FI-723)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.259.3 name (FI-722)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.260 typecallingpartyselection (TI-43)

Description:	Calling Party selection Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.260.1 enum (FI-331)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.260.2 moniker (FI-427)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.260.3 name (FI-332)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.261 typecallstate (TI-185)

Description:	List of Call States defined by CallManager Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.261.1 enum (FI-1138)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.261.2 moniker (FI-1140)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.261.3 name (FI-1139)	
	Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.262 typecertificate (TI-313)

Description:	Defines the status of the certificate Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.262.1 enum (FI-2160)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.262.2 moniker (FI-2161)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.262.3 name (FI-2159)	
	Type:	string [100] (Unique, Indexed, Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.263 typecertificateoperation (TI-272)

Description:	Defines the different operations that are done on a certificate. Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.263.1 enum (FI-1930)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.263.2 moniker (FI-1932)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.263.3 name (FI-1931)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.264 typecertificatestatus (TI-273)

Description:	Defines the different status for certification operation. Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.264.1 enum (FI-1933)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.264.2 moniker (FI-1935)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.264.3 name (FI-1934)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.265 typecfacssactivationpolicy (TI-463)

Description:	Types of Call Forward All Calling Search Space Activation Policy Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.265.1 enum (FI-3458)**	
	Type:	enum (Not Modifiable)
	Remarks:	A number to identify the record
	2.3.265.2 moniker (FI-3460)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.265.3 name (FI-3459)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.266 typeclass (TI-8)

Description:	generic device type labels Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.266.1 enum (FI-300)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.266.2 moniker (FI-431)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.266.3 name (FI-301)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.267 typeclockreference (TI-41)

Description:	Internal vs. external clock reference Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.267.1 enum (FI-335)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.267.2 moniker (FI-432)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.267.3 name (FI-336)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.268 typeconfiginputdata (TI-461)

Description:	Configuration Tool Meta-data Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.268.1 enum (FI-3441)**
	Type: enum (Not Modifiable)
	Remarks: A number to identify the record
	2.3.268.2 filename (FI-3443)
	Type: string [100] (Not Modifiable)
	2.3.268.3 moniker (FI-3445)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.268.4 name (FI-3442)
	Type: string [100] (Not Modifiable)
	2.3.268.5 priorityindex (FI-3444)
	Type: long (Not Modifiable)
	2.3.268.6 tkconfiginputdatagrouping (FI-3568)

	Type:	enum
	Default Value:	0
	Remarks:	Values based on TypeConfigInputData
Uniqueness:	No multicolumn uniqueness constraints	

2.3.269 typeconfiginputdatagrouping (TI-479)

Description:	Groupings for Configuration Tool Meta-data Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.269.1 enum (FI-3569)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.269.2 index (FI-3571)
	Type: long (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the order of the groupings
	2.3.269.3 moniker (FI-3572)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.269.4 name (FI-3570)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.270 typeconnectedpbx (TI-196)

Description:	Type of PBX models connected to CallManager over QSIG trunk Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.270.1 enum (FI-1267)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.270.2 moniker (FI-1268)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.270.3 name (FI-1269)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.271 typecountry (TI-42)

Description:	Countries for which CallManager can generate proper network tones Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.271.1 enum (FI-338)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.271.2 moniker (FI-433)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.271.3 name (FI-339)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.272 typecredential (TI-445)

Description:	Type of Password/PIN Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.272.1 enum (FI-3342)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	From CUC: 1 = Windows (not used), 2 = Domino (not used), 3 = Password, 4 = PIN
	2.3.272.2 moniker (FI-3344)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.272.3 name (FI-3343)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.273 typecredentialuser (TI-460)

Description:	Types of users that have Credentials (Password/Pin) stored in database for IMS Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.273.1 enum (FI-3433)**	
	Type:	enum (Not Modifiable)
	Remarks:	A number to identify the record
	2.3.273.2 moniker (FI-3435)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.273.3 name (FI-3434)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.274 typecsuparam (TI-44)

Description:	CSU parameter for PRI interface Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.274.1 enum (FI-342)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.274.2 moniker (FI-434)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.274.3 name (FI-343)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.275 typedayofweek (TI-309)

Description:	Used for Time Period Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.275.1 enum (FI-2148)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.275.2 moniker (FI-2146)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.275.3 name (FI-2147)	
	Type:	string [100] (Unique, Indexed, Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.276 typedberrors (TI-257)

Description:	Database error definitions Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.276.1 enum (FI-1815)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.276.2 moniker (FI-1817)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.276.3 name (FI-1816)	
	Type:	string [512] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.277 typedevicefeature (TI-208)

Description:	List of feature for a device. Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.277.1 enum (FI-1366)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.277.2 isusermodifiable (FI-1368)	
	Type:	bool (Not Modifiable)
	Default Value:	FALSE
	2.3.277.3 moniker (FI-1369)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.277.4 name (FI-1367)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.278 typedeviceprofile (TI-146)

Description:	Defines types of device records - device profile, real device, etc. Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.278.1 enum (FI-826)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.278.2 moniker (FI-827)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.278.3 name (FI-828)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.279 typedeviceprotocol (TI-46)

Description:	protocol used by device Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.279.1 enum (FI-344)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.279.2 moniker (FI-435)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.279.3 name (FI-345)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.280 typedevicesecuritymode (TI-213)

Description:	Used for specifying Device Security Mode Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.280.1 enum (FI-1411)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.280.2 moniker (FI-1412)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.280.3 name (FI-1413)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.281 typedialparameter (TI-325)

Description:	Dial Parameter types Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.281.1 enum (FI-2440)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.281.2 moniker (FI-2441)
	Type: string [100] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.281.3 name (FI-2442)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.282 typedialpattern (TI-323)

Description:	Dial Pattern types Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.282.1 enum (FI-2436)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.282.2 moniker (FI-2435)
	Type: string [100] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.282.3 name (FI-2434)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.283 typedigitsending (TI-109)

Description:	DTMF, MF, PULSE Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.283.1 enum (FI-565)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.283.2 moniker (FI-567)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.283.3 name (FI-566)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.284 typedistributealgorithm (TI-201)

Description:	The types of distribution algorithms used by different types of Groups Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.284.1 enum (FI-1272)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.284.2 mask (FI-1270)
	Type: long (Not Modifiable)
	2.3.284.3 moniker (FI-1273)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.284.4 name (FI-1271)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.285 typedndoption (TI-439)

Description:	type of call handling while DND is enabled (0=Ringer Off, 1=Call Reject) Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.285.1 enum (FI-3278)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.285.2 moniker (FI-3280)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.285.3 name (FI-3279)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.286 typednusage (TI-241)

Description:	Enumerates the type of extensions for users. Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.286.1 enum (FI-1739)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.286.2 moniker (FI-1740)** Type: string [128] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.286.3 name (FI-1741)** Type: string [128] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.287 typedrfregistered (TI-291)

Description:	Disater recovery framework status of framewrok Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.287.1 enum (FI-2023)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.287.2 moniker (FI-2025)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.287.3 name (FI-2024)** Type: string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.288 typedrfscript (TI-290)

Description:	Disater recovery framework type of script Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.288.1 enum (FI-2020)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.288.2 moniker (FI-2022)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.288.3 name (FI-2021)** Type: string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.289 typedtmfsignaling (TI-324)

Description:	DTMF Signaling Types Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.289.1 enum (FI-2439)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.289.2 moniker (FI-2438)** Type: string [100] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.289.3 name (FI-2437)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.290 typeencode (TI-47)

Description:	a-law vs. u-law Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.290.1 enum (FI-346)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.290.2 moniker (FI-436)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.290.3 name (FI-347)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.291 typefdlchannel (TI-126)

Description:	used for T1 and PRI Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.291.1 enum (FI-724)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.291.2 moniker (FI-726)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.291.3 name (FI-725)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.292 typefeature (TI-39)

Description: defines every feature that might be assigned on a button template
Records may be modified only by installation and/or DB triggers.

Fields:

2.3.292.1 allowmultiple (FI-3450)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	If true then multiple instances of the feature can appear on a phone button template. If false, only one instance of the feature is allowed. There is no hard rule to enforce this - applications should observe the setting but are allowed to temporarily have more than one instance of any feature while updating button templates

2.3.292.2 englishlabel (FI-1274)

Type:	string [16] (Not Modifiable)
Default Value:	EMPTY
Remarks:	The English label for a feature key, such as "Privacy".

2.3.292.3 enum (FI-348)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.292.4 isemcompatible (FI-3475)

Type:	bool (Not Modifiable)
Default Value:	TRUE
Remarks:	Can the feature be configured on a Device Profile for use with Extension Mobility

2.3.292.5 moniker (FI-437)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.292.6 name (FI-349)

Type:	string [100] (Not Modifiable)

2.3.292.7 tag (FI-1275)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	This tag is used for localization application to look up the display text for phone

	2.3.292.8 tksoftkey (FI-3283)	
	Type:	enum (Not Modifiable, Null OK)
	Default Value:	NULL
	Remarks:	Corresponding entry in TypeSoftkey for same function
Uniqueness:	No multicolumn uniqueness constraints	

2.3.293 typefeaturecontrol (TI-563)

Description: Feature Control Types
Records may be modified only by installation and/or DB triggers.

Fields:

	2.3.293.1 description (FI-5707)	
	Type:	string [128] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	Description to be used by program
	2.3.293.2 enum (FI-5705)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.293.3 isenabledbydefault (FI-5708)	
	Type:	bool (Not Modifiable)
	Remarks:	Default policy setting for this feature (true = enabled; false = disabled)
	2.3.293.4 moniker (FI-5709)	
	Type:	string [100] (Not Modifiable)
	Remarks:	Unique string for programmatic use
	2.3.293.5 name (FI-5706)	
	Type:	string [50] (Unique, Indexed, Not Modifiable)
	Remarks:	A name to identify the record
	2.3.293.6 versionstamp (FI-5718)	
	Type:	string [47] (Null OK)
	Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
	Remarks:	New guid plus seconds past midnight 1970 are concatenated

	Rule (RI-735):	Type:	Active (Insert/Update) This field is modified by this rule.
		Rule Name:	TypeFeatureControl VersionStamp Update
		Description:	When the TypeFeatureControl record changes, the versionstamp needs to be re-generated
		Test Condition:	ON UPDATE IN TypeFeatureControl : versionstamp = versionStampGenerator()
	Rule (RI-735):	Type:	Active (Insert/Update)
		Rule Name:	TypeFeatureControl VersionStamp Update
		Description:	When the TypeFeatureControl record changes, the versionstamp needs to be re-generated
		Test Condition:	ON UPDATE IN TypeFeatureControl : versionstamp = versionStampGenerator()
Uniqueness:	No multicolumn uniqueness constraints		

2.3.294 typefieldinfo (TI-266)

Description: Field information (datadictionary in database)
Records may be modified only by installation and/or DB triggers.

Fields:

2.3.294.1 checkconstraint (FI-1888)

Type:	string [255] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Text that will be used to specifiy the rules for multipble columns in a table.(must follow check SQL syntax)

2.3.294.2 defaultvalue (FI-1881)

Type:	string [255] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Value that will be inserted for this column if no value is specified.

2.3.294.3 dntype (FI-1937)

Type:	long (Not Modifiable, Null OK)
Remarks:	If the FieldType is DN, then this is the type of DN.

2.3.294.4 enum (FI-1873)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	Integer that enumerates column

2.3.294.5 errormsg (FI-2963)	
Type:	string [4096] (Not Modifiable, Null OK)
2.3.294.6 fieldname (FI-1875)	
Type:	string [37] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Name of column
2.3.294.7 fieldtype (FI-1876)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Type of column
2.3.294.8 iscascadedelete (FI-1886)	
Type:	bool (Not Modifiable, Null OK)
Remarks:	True if wthe the table pointed to by the column the SQL enginge will attemt to automatically delete the record in this table
2.3.294.9 isclustered (FI-1885)	
Type:	bool (Not Modifiable, Null OK)
Remarks:	True if this column should be optiminal optiomize for searching (data is found at end of search)
2.3.294.10 isindexed (FI-1883)	
Type:	bool (Not Modifiable, Null OK)
Remarks:	True if this column should be optiomize for searching
2.3.294.11 isunique (FI-1882)	
Type:	bool (Not Modifiable, Null OK)
Remarks:	True if the value in this column unique for this table.
2.3.294.12 length (FI-1877)	
Type:	long (Not Modifiable, Null OK)
Remarks:	Maximum number of charters in a string
2.3.294.13 migrationsource (FI-1884)	
Type:	string [255] (Not Modifiable, Null OK)
Default Value:	EMPTY

	Remarks:	Textual description of where this value is created from(table and column) in previous schema.
	2.3.294.14 notmodifiable (FI-1887)	
	Type:	bool (Not Modifiable, Null OK)
	Remarks:	True if can not be modified by user (only modified by install or trigger)
	2.3.294.15 nullallowed (FI-1880)	
	Type:	bool (Not Modifiable, Null OK)
	Remarks:	True if this column can be NULL
	2.3.294.16 remarks (FI-2962)	
	Type:	string [4096] (Not Modifiable, Null OK)
	2.3.294.17 tktableinfo (FI-1874)	
	Type:	enum (Not Modifiable, Null OK)
	Remarks:	ID of table associated with column
	2.3.294.18 validation (FI-1878)	
	Type:	string [255] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	Text that describes validation rules
Uniqueness:	No multicolumn uniqueness constraints	

2.3.295 typeforward (TI-48)

Description:	all, busy, no answer Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.295.1 enum (FI-350)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.295.2 moniker (FI-438)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.295.3 name (FI-351)	

	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.296 typeframing (TI-125)

Description:	used for T1 and PRI Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.296.1 enum (FI-730)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.296.2 moniker (FI-732)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.296.3 name (FI-731)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.297 typegclear (TI-561)

Description:	G.Clear Types Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.297.1 enum (FI-5404)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.297.2 moniker (FI-5406)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	Name to be used by program
	2.3.297.3 name (FI-5405)	

	Type:	string [50] (Unique, Indexed, Not Modifiable)
	Remarks:	A name to identify the record
Uniqueness:	No multicolumn uniqueness constraints	

2.3.298 typegeolocationdevice (TI-553)

Description:	Used to store Logical Partition device types Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.298.1 enum (FI-5026)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.298.2 moniker (FI-5028)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	Name to be used by program
	2.3.298.3 name (FI-5027)	
	Type:	string [50] (Unique, Indexed, Not Modifiable)
	Remarks:	A name to identify the record
Uniqueness:	No multicolumn uniqueness constraints	

2.3.299 typegkoption (TI-49)

Description:	type of H.323 gate keeper Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.299.1 enum (FI-352)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.299.2 moniker (FI-439)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.299.3 name (FI-353)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.300 typegroupversionstamp (TI-414)

Description:	Used to update groups of devices based on common configuration settings	
Fields:	**2.3.300.1 enum (FI-3131)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.300.2 moniker (FI-3133)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.300.3 name (FI-3132)	
	Type:	string [100] (Not Modifiable)
	2.3.300.4 versionstamp (FI-3134)	
	Type:	string [47] (Null OK)
	Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
	Remarks:	New guid plus seconds past midnight 1970 are concatenated
Uniqueness:	No multicolumn uniqueness constraints	

2.3.301 typehuntalgorithm (TI-226)

Description:	Defines type of hunt algorithm supported Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.301.1 enum (FI-1624)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.301.2 moniker (FI-1626)** Type: string [100] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.301.3 name (FI-1625)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.302 typehuntalgorithmforac (TI-279)

Description:	Defines type of hunt algorithm supported for Attendant Console. Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.302.1 enum (FI-1966)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.302.2 moniker (FI-1968)** Type: string [100] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.302.3 name (FI-1967)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.303 typeidsauditlevel (TI-497)

Description:	Informix Dynamic Server (IDS) Audit Levels Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.303.1 enum (FI-3781)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.303.2 moniker (FI-3783)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A short name to identify the record
	2.3.303.3 name (FI-3782)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.304 typeipaddressingmode (TI-491)

Description:	Type of IP Addressing Mode Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.304.1 enum (FI-3650)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.304.2 moniker (FI-3652)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.304.3 name (FI-3651)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.305 typeipaddressingmodeprefcontrol (TI-492)

Description:	Prefered IP Addressing Mode Control Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.305.1 enum (FI-3653)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.305.2 moniker (FI-3655)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.305.3 name (FI-3654)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.306 typeipmalinemode (TI-387)

Description:	Distinguishes between proxy and shared Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.306.1 enum (FI-2872)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.306.2 moniker (FI-2873)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.306.3 name (FI-2874)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.307 typeipmatarget (TI-388)

Description:	Mgr/Asst(1) vs. Anyconfigured no.(2) Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.307.1 enum (FI-2875)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.307.2 moniker (FI-2876)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.307.3 name (FI-2877)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.308 typekeyauthority (TI-404)

Description:	Defines different key types for Devices Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.308.1 enum (FI-3006)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.308.2 moniker (FI-3008)** Type: string [50] (Unique, Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.308.3 name (FI-3007)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.309 typekeysize (TI-271)

Description:	Defines the different Key Sizes that are used for private and public generation for a phone. Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.309.1 enum (FI-1927)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.309.2 moniker (FI-1929)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.309.3 name (FI-1928)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.310 typelampblinkrate (TI-132)

Description:	Allowed values for lamp blink rates. Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.310.1 enum (FI-736)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.310.2 moniker (FI-738)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.310.3 name (FI-737)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.311 typelanguage (TI-171)

Description:	list of languages Records may be modified only by installation and/or DB triggers.

Fields:

2.3.311.1 code (FI-1043)	
Type:	string [10] (Not Modifiable)
Default Value:	EMPTY
2.3.311.2 enum (FI-1041)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.311.3 isinuse (FI-1044)	
Type:	bool (Not Modifiable)
2.3.311.4 moniker (FI-1045)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.311.5 name (FI-1042)	
Type:	string [50] (Not Modifiable)
2.3.311.6 nativename (FI-1049)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Localized name of language (e.g., Deutsch for German)
2.3.311.7 tklanguagegroup (FI-1797)	
Type:	enum (Not Modifiable, Null OK)
Default Value:	NULL

Uniqueness:	No multicolumn uniqueness constraints

2.3.312 typelanguagegroup (TI-255)

Description:	Grouping of languages based on character sets they support. Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.312.1 enum (FI-1794)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.312.2 moniker (FI-1795)	
	Type:	string [128] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.312.3 name (FI-1796)	
	Type:	string [128] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.313 typeldapprotocol (TI-276)

Description:	Defines different LDAP Protocols Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.313.1 enum (FI-1947)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.313.2 moniker (FI-1949)	
	Type:	string [128] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.313.3 name (FI-1948)	
	Type:	string [128] (Not Modifiable)
	2.3.313.4 tkldapserver (FI-1950)	
	Type:	enum
Uniqueness:	No multicolumn uniqueness constraints	

2.3.314 typeldapserver (TI-263)

Description:	Used for LDAP Directory Plugin Server type Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.314.1 displayname (FI-1852)** Type: string [128] (Not Modifiable) Default Value: EMPTY **2.3.314.2 enum (FI-1849)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.314.3 moniker (FI-1850)** Type: string [128] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.314.4 name (FI-1851)** Type: string [128] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.315 typeldapserverattr (TI-264)

Description:	Used for LDAP Directory Plugin attribute types Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.315.1 displayed (FI-1891)** Type: bool Default Value: FALSE **2.3.315.2 displayname (FI-1856)** Type: string [128] (Not Modifiable) Default Value: EMPTY **2.3.315.3 enum (FI-1853)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.315.4 moniker (FI-1854)**

	Type:	string [128] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.315.5 name (FI-1855)	
	Type:	string [128] (Unique, Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.316 typelicensefeature (TI-360)

Description:	Type table containing information on features licensed Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.316.1 enum (FI-2671)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.316.2 featuredescription (FI-2674)
	Type: string [255] (Not Modifiable, Null OK)
	2.3.316.3 moniker (FI-2673)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.316.4 name (FI-2672)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.317 typelicenseunit (TI-361)

Description:	Type table containing number of license units required for each subtype of license feature Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.317.1 adjunctunits (FI-3525)**	
	Type:	long (Not Modifiable)
	Default Value:	-1
	Remarks:	The adjusted license units charged for a phone used as a secondary phone. The default value -1 means a device type cannot be used as a secondary phone.
	2.3.317.2 enum (FI-2675)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.317.3 moniker (FI-2677)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.317.4 name (FI-2676)	
	Type:	string [100] (Not Modifiable)
	2.3.317.5 tklicensefeature (FI-2678)	
	Type:	enum (Not Modifiable)
	2.3.317.6 units (FI-2679)	
	Type:	long (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.318 typelogicalpartitionpolicy (TI-554)

Description:	Used to store Logical Partition Policy Types Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.318.1 enum (FI-5029)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.318.2 moniker (FI-5031)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	Name to be used by program
	2.3.318.3 name (FI-5030)	
	Type:	string [50] (Unique, Indexed, Not Modifiable)
	Remarks:	A name to identify the record
Uniqueness:	No multicolumn uniqueness constraints	

2.3.319 typelossynetwork (TI-429)

Description:	For Region Matrix relationships to indicate level of packet loss across link Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.319.1 enum (FI-3245)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.319.2 moniker (FI-3247)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.319.3 name (FI-3246)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.320 typematrix (TI-319)

Description:	Matrix Type Table Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.320.1 enum (FI-2376)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.320.2 moniker (FI-2378)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: Name to be used by program **2.3.320.3 name (FI-2377)** Type: string [50] (Unique, Indexed, Not Modifiable) Remarks: A name to identify the record
Uniqueness:	No multicolumn uniqueness constraints

2.3.321 typematrixvalue (TI-349)

Description:	Keeps allowable values for each of the Matrix types Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.321.1 enum (FI-2578)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.321.2 moniker (FI-2580)** Type: string [50] (Unique, Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.321.3 name (FI-2579)** Type: string [100] (Not Modifiable) **2.3.321.4 tkmatrix (FI-2581)** Type: enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.322 typemediapayload (TI-224)

Description:	Used for H323 FastStart Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.322.1 enum (FI-1609)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.322.2 moniker (FI-1611)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.322.3 name (FI-1610)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.323 typemgcpslotmodule (TI-140)

Description:	Known types of slot modules for MGCP Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.323.1 configurableportnumbers (FI-1201)**
	Type: bool (Not Modifiable)
	Default Value: 0
	2.3.323.2 enum (FI-782)
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.323.3 maxsubunits (FI-1121)
	Type: long (Not Modifiable)
	Default Value: 1
	2.3.323.4 moniker (FI-784)
	Type: string [100] (Not Modifiable)

	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.323.5 name (FI-783)	
	Type:	string [50] (Not Modifiable)
	2.3.323.6 tkproduct_slotmodule (FI-803)	
	Type:	enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.324 typemgcpvic (TI-141)

Description:	Known types of Vics for MGCP Records may be modified only by installation and/or DB triggers.

Fields:

2.3.324.1 beginningportnumber (FI-1022)	
Type:	long (Not Modifiable)
2.3.324.2 beginportnum_second (FI-1123)	
Type:	long (Not Modifiable, Null OK)
Default Value:	NULL
2.3.324.3 enum (FI-785)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.324.4 maxnumports (FI-797)	
Type:	long (Not Modifiable)
2.3.324.5 moniker (FI-787)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.324.6 name (FI-786)	
Type:	string [50] (Not Modifiable)
2.3.324.7 tkproduct_second (FI-1122)	
Type:	enum (Not Modifiable, Null OK)

	Default Value:	NULL
	2.3.324.8 tkproduct_vic (FI-806)	
	Type:	enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.325 typemixer (TI-51)

Description:	mixer for conferece bridge Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.325.1 enum (FI-354)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.325.2 moniker (FI-440)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.325.3 name (FI-355)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.326 typemobilesmartclient (TI-494)

Description:	Mobility Smart Client Application Models Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.326.1 enum (FI-3694)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.326.2 moniker (FI-3696)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.326.3 name (FI-3695)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.327 typemodel (TI-79)

Description:	all device types (was typeDevice) Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.327.1 defaultdtmfcapability (FI-591)**	
	Type:	long (Not Modifiable)
	2.3.327.2 enum (FI-302)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.327.3 moniker (FI-441)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.327.4 name (FI-303)	
	Type:	string [100] (Not Modifiable)
	2.3.327.5 showindevicedefaults (FI-568)	
	Type:	bool (Not Modifiable)
	Migration Source:	new

	2.3.327.6 tkclass (FI-305)
	Type: enum (Not Modifiable)
	2.3.327.7 tkrisclass (FI-1051)
	Type: enum (Not Modifiable, Null OK)
	Default Value: NULL
	2.3.327.8 tksubclass (FI-2893)
	Type: enum (Null OK)
	Remarks: The sub class of the model
Uniqueness:	No multicolumn uniqueness constraints

2.3.328 typemohcodec (TI-156)

Description:	used for MOH Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.328.1 enum (FI-879)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.328.2 moniker (FI-881)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.328.3 name (FI-880)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.329 typemonitor (TI-159)

Description:	Used for AlarmConfiguration monitors Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.329.1 display (FI-899)	
	Type:	bool (Not Modifiable)
	2.3.329.2 displayservername (FI-900)	
	Type:	bool (Not Modifiable)
	2.3.329.3 enum (FI-890)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.329.4 moniker (FI-892)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.329.5 monitorstatus (FI-923)	
	Type:	bool (Not Modifiable)
	2.3.329.6 name (FI-891)	
	Type:	string [100] (Not Modifiable)
	2.3.329.7 tkalarmseverity (FI-927)	
	Type:	enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.330 typemonthofyear (TI-310)

Description:	Used for Time Period Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.330.1 enum (FI-2151)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.330.2 moniker (FI-2150)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.330.3 name (FI-2149)	
	Type:	string [100] (Unique, Indexed, Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.331 typemwlpolicy (TI-175)

Description:	Policies for Message Waiting Light Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.331.1 enum (FI-1059)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.331.2 moniker (FI-1061)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.331.3 name (FI-1060)	
	Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.332 typenetworklocation (TI-54)

Description:	On/Off Network Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.332.1 enum (FI-359)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.332.2 moniker (FI-443)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.332.3 name (FI-360)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.333 typenodeusage (TI-441)

Description:	Identifies node as a Publisher (0) or Subscriber (1) Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.333.1 enum (FI-3315)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.333.2 moniker (FI-3317)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.333.3 name (FI-3316)	
	Type:	string [100] (Not Modifiable)
	Remarks:	0=Publisher, 1=Subscriber
Uniqueness:	No multicolumn uniqueness constraints	

2.3.334 typensfservice (TI-190)

Description:	List of configurable network services provided by carrier used with NSFProtocalServiceMap Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.334.1 enum (FI-1164)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.334.2 moniker (FI-1166)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.334.3 name (FI-1165)** Type: string [50] (Not Modifiable) **2.3.334.4 nsfservicecode (FI-1168)** Type: string [50] (Not Modifiable) Default Value: EMPTY **2.3.334.5 parametername (FI-1167)** Type: string [50] (Not Modifiable) Default Value: EMPTY
Uniqueness:	No multicolumn uniqueness constraints

2.3.335 typenullrestriction (TI-336)

Description:	Matt will fill this in Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.335.1 enum (FI-2506)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.335.2 name (FI-2507)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.336 typenumberingplan (TI-121)

Description:	Numbering Plan for PRI Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.336.1 enum (FI-670)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.336.2 moniker (FI-672)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.336.3 name (FI-684)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.337 typeoperator (TI-55)

Description:	operators used by GUI with Route Filter Details Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.337.1 enum (FI-361)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.337.2 moniker (FI-444)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.337.3 name (FI-362)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.338 typeoutboundcallrollover (TI-456)

Description:	Identifies behavior for features when MaxCalls is exceeded on a line and other lines are available Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.338.1 enum (FI-3419)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.338.2 moniker (FI-3421)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.338.3 name (FI-3420)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.339 typepacketcapturemode (TI-269)

Description:	Used to store the per-device basis setting to capture the signaling messages. Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.339.1 enum (FI-1921)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.339.2 moniker (FI-1923)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.339.3 name (FI-1922)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.340 typeparam (TI-89)

Description:	parameter types for service configuration Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.340.1 enum (FI-363)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.340.2 moniker (FI-445)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.340.3 name (FI-364)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.341 typepartitionusage (TI-430)

Description:	Identifies Intercom vs. other types of partitions and calling search spaces Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.341.1 enum (FI-3248)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.341.2 moniker (FI-3250)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.341.3 name (FI-3249)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.342 typepattern (TI-326)

Description:	Pattern Types Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.342.1 enum (FI-2445)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.342.2 moniker (FI-2444)** Type: string [100] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.342.3 name (FI-2443)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.343 typepatternprecedence (TI-198)

Description:	MLPP Precedence level Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.343.1 enum (FI-1282)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.343.2 moniker (FI-1283)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.343.3 name (FI-1284)** Type: string [100] (Not Modifiable) **2.3.343.4 precedencelevel (FI-2338)** Type: long (Null OK) Default Value: NULL

Uniqueness:	No multicolumn uniqueness constraints

2.3.344 typepatternusage (TI-93)

Description:	type of pattern in NumPlan Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.344.1 enum (FI-367)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.344.2 moniker (FI-446)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.344.3 name (FI-368)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.345 typepersonalphonenumber (TI-247)

Description:	categorizes as fax, mobile etc. Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.345.1 enum (FI-1707)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.345.2 moniker (FI-1709)
	Type: string [128] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.345.3 name (FI-1708)
	Type: string [50] (Unique, Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.346 typephonepersonalization (TI-462)

Description:	Phone Personalization Settings Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.346.1 enum (FI-3453)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.346.2 moniker (FI-3455)** Type: string [50] (Unique, Not Modifiable) Default Value: EMPTY **2.3.346.3 name (FI-3454)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.347 typephoneservice (TI-487)

Description:	IP Phone Service types: Standard IP Phone Service, Directories, Messages Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.347.1 enum (FI-3615)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.347.2 moniker (FI-3616)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.347.3 name (FI-3617)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.348 typephoneservicecategory (TI-489)

Description:	Type of Service:XML Service=0,Java MIDlet=1 Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.348.1 enum (FI-3633)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.348.2 moniker (FI-3634)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.348.3 name (FI-3635)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.349 typephoneservicedisplay (TI-488)

Description:	Display setting for IP Phone Services: Internal, External URL, Both, Default Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.349.1 enum (FI-3618)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.349.2 moniker (FI-3619)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record Rule (RFI-189): Type: Inter-field Condition and Constraint Test Condition: tkPhoneServiceCategory=1 Constraint: (Vendor <> '') Remarks: Vendor is required for Java MIDlet service.

	2.3.349.3 name (FI-3620)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.350 typephonetemplateusage (TI-168)

Description:	define what PhoneTemplate is used for - traditional phone or a type of addon module Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.350.1 enum (FI-982)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.350.2 moniker (FI-984)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.350.3 name (FI-983)
	Type: string [100] (Not Modifiable)
	2.3.350.4 tkmodel (FI-994)
	Type: enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.351 typepickupnotification (TI-419)

Description:	Defines the different Notification options available with Pickup Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.351.1 enum (FI-3220)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.351.2 moniker (FI-3221)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.351.3 name (FI-3222)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.352 typepluginusage (TI-123)

Description:	Whether a plugin record is for the menu or is an application. Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.352.1 enum (FI-703)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.352.2 moniker (FI-704)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.352.3 name (FI-705)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.353 typepreemption (TI-199)

Description:	Type of preemption behavior or tone (for MLPP) Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.353.1 enum (FI-1285)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.353.2 moniker (FI-1287)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.353.3 name (FI-1286)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.354 typepresentationbit (TI-56)

Description:	Presentaton bit for access ports Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.354.1 enum (FI-371)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.354.2 moniker (FI-447)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.354.3 name (FI-372)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.355 typeprichanie (TI-57)

Description:	Digital Access Pri channel IE values Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.355.1 enum (FI-373)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.355.2 moniker (FI-448)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.355.3 name (FI-374)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.356 typepriofnumber (TI-95)

Description:	null Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.356.1 enum (FI-376)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.356.2 moniker (FI-449)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.356.3 name (FI-377)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.357 typepriprotocol (TI-58)

Description:	supported Primary Rate protocols Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.357.1 enum (FI-378)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.357.2 isqsig (FI-1907)	
	Type:	bool (Not Modifiable)
	Default Value:	FALSE
	2.3.357.3 moniker (FI-450)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.357.4 name (FI-379)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.358 typeproduct (TI-117)

Description:	complete list of products for combo boxes Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.358.1 devicenameformat (FI-1016)**	
	Type:	string [255] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	Use regular expression (up to 255 characters) to define format
	2.3.358.2 devicenamestring (FI-1025)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	2.3.358.3 enum (FI-650)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.358.4 isinstalleddefault (FI-1019)	
	Type:	bool (Not Modifiable)

	Default Value:	FALSE
	Remarks:	Is this product included in a default installation
	2.3.358.5 maxports (FI-654)	
	Type:	long (Not Modifiable)
	2.3.358.6 moniker (FI-652)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.358.7 name (FI-651)	
	Type:	string [100] (Not Modifiable)
	2.3.358.8 showindropdown (FI-663)	
	Type:	bool (Not Modifiable)
	2.3.358.9 tkmodel (FI-653)	
	Type:	enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.359 typeproductconfig (TI-118)

Description:	list of configurable attributes used with ProductCapabilities Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.359.1 enum (FI-655)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.359.2 moniker (FI-657)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.359.3 name (FI-656)	
	Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.360 typeprotocolside (TI-59)

Description:	user/network values Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.360.1 enum (FI-380)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.360.2 moniker (FI-451)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.360.3 name (FI-381)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.361 typeqsig (TI-211)

Description:	Describes what type of devices are in a particular route list or route group. Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.361.1 enum (FI-1403)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.361.2 moniker (FI-1405)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.361.3 name (FI-1404)
	Type: string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.362 typeqsigvariant (TI-495)

Description:	For Qsig Variant Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.362.1 enum (FI-3760)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record.
	2.3.362.2 moniker (FI-3762)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.362.3 name (FI-3761)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.363 typerecordingflag (TI-431)

Description:	Automatic Call Recording Enabled, Application Invoked Call Recording Enabled, Call Recording Disabled Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.363.1 enum (FI-3266)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.363.2 moniker (FI-3268)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.363.3 name (FI-3267)
	Type: string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.364 typerelatedfieldinfo (TI-335)

Description:	Charlie will fill this in Records may be modified only by installation and/or DB triggers.

Fields:

2.3.364.1 checkconstraint (FI-2502)

Type:	string [255]
Default Value:	EMPTY

2.3.364.2 conditionalvalue (FI-2495)

Type:	string [100] (Null OK)

2.3.364.3 defaultvalue (FI-2498)

Type:	string [50] (Null OK)
Default Value:	EMPTY

2.3.364.4 dntype (FI-2503)

Type:	long (Null OK)

2.3.364.5 enum (FI-2491)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.364.6 involvedfields (FI-2493)

Type:	string [255]
Default Value:	EMPTY

2.3.364.7 length (FI-2497)

Type:	long (Null OK)

2.3.364.8 notmodifiable (FI-2500)

Type:	bool

2.3.364.9 optype (FI-2505)

Type:	long (Null OK)

2.3.364.10 remarks (FI-2504)

Type:	memo

	Default Value:	EMPTY
	2.3.364.11 tkfieldinfo_conditional (FI-2494)	
	Type:	enum (Null OK)
	2.3.364.12 tkfieldinfo_enforcedon (FI-2496)	
	Type:	enum (Null OK)
	2.3.364.13 tknullrestriction (FI-2499)	
	Type:	enum (Null OK)
	2.3.364.14 tktableinfo (FI-2492)	
	Type:	enum
	2.3.364.15 validation (FI-2501)	
	Type:	string [255]
	Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints	

2.3.365 typereleasecausevalue (TI-197)		
Description:	List of allowable cause value for when a pattern is blocked. Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.365.1 enum (FI-1288)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.365.2 moniker (FI-1290)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.365.3 name (FI-1289)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.366 typereset (TI-254)

Description:	Having soft and hard reset types Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.366.1 enum (FI-1785)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.366.2 moniker (FI-1786)
	Type: string [128] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.366.3 name (FI-1806)
	Type: string [128] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.367 typeresethandshake (TI-406)

Description:	Defines different types of handshake between tftp and ccm for devicereset Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.367.1 enum (FI-3022)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.367.2 moniker (FI-3024)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.367.3 name (FI-3023)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.368 typeresource (TI-235)

Description:	Resource is an entity that have action performed on them. Records may be modified only by installation and/or DB triggers.

Fields:

2.3.368.1 description (FI-3740)

Type:	string [500] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Description of resource types used for access privileges (user groups and permisssions)

2.3.368.2 enum (FI-1672)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.368.3 moniker (FI-1674)

Type:	string [128] (Unique, Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.368.4 name (FI-1673)

Type:	string [128] (Not Modifiable)

2.3.368.5 prefix (FI-2003)

Type:	string [50]
Default Value:	EMPTY
Remarks:	Strut action prefixes for a resource.

2.3.368.6 tkapplication (FI-1814)

Type:	enum (Not Modifiable, Null OK)
Default Value:	NULL

Uniqueness:	No multicolumn uniqueness constraints

2.3.369 typeresourceaction (TI-236)

Description:	Actions and references to resources. Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.369.1 enum (FI-1675)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.369.2 moniker (FI-1677)	
	Type:	string [128] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.369.3 name (FI-1676)	
	Type:	string [128] (Not Modifiable)
	2.3.369.4 tkbitpos (FI-1679)	
	Type:	enum (Not Modifiable)
	2.3.369.5 tkresource (FI-1678)	
	Type:	enum (Not Modifiable)
Uniqueness:	moniker + tkresource is unique. (MFI-39) tkbitpos + tkresource is unique. (MFI-40)	

2.3.370 typerevertpriority (TI-425)

Description:	Use for the priority for incoming call and hold reversion call Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.370.1 enum (FI-3223)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.370.2 moniker (FI-3224)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.370.3 name (FI-3225)	
	Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.371 typeringsetting (TI-186)

Description:	Type of different ring setting for normal ringer, flash and consecutive call ringer Records may be modified only by installation and/or DB triggers.

Fields:

2.3.371.1 enum (FI-1131)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.371.2 islinecompatible (FI-1134)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Whether this enum can be used as line setting for device or not

2.3.371.3 moniker (FI-1133)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.371.4 name (FI-1132)

Type:	string [50] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.372 typerisclass (TI-173)

Description:	Table of risc mananaged class of device Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.372.1 enum (FI-1052)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.372.2 moniker (FI-1054)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.372.3 name (FI-1053)	
	Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.373 typerisstatus (TI-282)

Description:	Lists Ris Status Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.373.1 enum (FI-1988)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.373.2 moniker (FI-1990)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.373.3 name (FI-1989)	
	Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.374 typerule (TI-395)

Description:	Types of database Rules implemented in triggers (triggering event in paratheses) Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.374.1 description (FI-2951)	
	Type:	string [256] (Not Modifiable)
	2.3.374.2 enum (FI-2949)	
	Type:	enum (Not Modifiable)
	Remarks:	A number to identify the record
	2.3.374.3 name (FI-2950)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.375 typeruleinfo (TI-396)

Description:	The database rules for this database, usually implemented in triggers on one or more tables. Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.375.1 description (FI-2955)**	
	Type:	string [4096] (Not Modifiable, Null OK)
	2.3.375.2 enum (FI-2952)	
	Type:	enum (Not Modifiable)
	Remarks:	A number to identify the record
	2.3.375.3 errormessage (FI-2957)	
	Type:	string [4096] (Not Modifiable, Null OK)
	2.3.375.4 implemented (FI-2959)	
	Type:	bool (Not Modifiable)
	Default Value:	FALSE
	2.3.375.5 remedy (FI-2958)	
	Type:	string [4096] (Not Modifiable, Null OK)
	2.3.375.6 rulename (FI-2954)	
	Type:	string [100] (Not Modifiable)
	2.3.375.7 testcondition (FI-2956)	
	Type:	string [4096] (Not Modifiable, Null OK)

	2.3.375.8 tkrule (FI-2953)
	Type: long (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.376 typescheduleunit (TI-296)

Description:	Used to determine a scheduling unit of time Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.376.1 displayname (FI-2075)**
	Type: string [128] (Not Modifiable)
	2.3.376.2 enum (FI-2072)
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.376.3 moniker (FI-2073)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.376.4 name (FI-2074)
	Type: string [128] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.377 typesecuritypolicy (TI-327)

Description:	Security Policy Types Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.377.1 enum (FI-2446)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.377.2 moniker (FI-2447)	
	Type:	string [100] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.377.3 name (FI-2448)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.378 typeservice (TI-90)

Description:	types of Cisco voice processes Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.378.1 canbedisabled (FI-1200)**	
	Type:	bool (Not Modifiable)
	Default Value:	TRUE
	2.3.378.2 dbuser (FI-3293)	
	Type:	string [30] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	Database user for process.
	2.3.378.3 devicenamemonitorflag (FI-916)	
	Type:	bool (Not Modifiable)
	2.3.378.4 devicetypemonitorflag (FI-917)	
	Type:	bool (Not Modifiable)
	2.3.378.5 enable (FI-922)	
	Type:	bool (Not Modifiable)
	2.3.378.6 enabledbydefault (FI-1183)	
	Type:	bool (Not Modifiable)

Default Value:	FALSE
2.3.378.7 enum (FI-382)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.378.8 filename (FI-910)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
2.3.378.9 filetraceflag (FI-920)	
Type:	bool (Not Modifiable)
2.3.378.10 includenondevicetraces (FI-921)	
Type:	bool (Not Modifiable)
2.3.378.11 log4jpackage (FI-2081)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
2.3.378.12 maxfilesize (FI-2049)	
Type:	long (Not Modifiable)
Default Value:	1
Remarks:	Created during installation.
2.3.378.13 maxnumservers (FI-1975)	
Type:	long (Not Modifiable)
Default Value:	2
2.3.378.14 moniker (FI-428)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.378.15 name (FI-383)	
Type:	string [100] (Not Modifiable)
2.3.378.16 nameforcontrol (FI-697)	
Type:	string [50] (Not Modifiable)

Default Value:	EMPTY
2.3.378.17 numfiles (FI-911)	
Type:	long (Not Modifiable)
2.3.378.18 numlines (FI-912)	
Type:	long (Not Modifiable)
2.3.378.19 numminutes (FI-913)	
Type:	long (Not Modifiable)
Remarks:	Trace configuartion option. Maximum minutes of data stored in each trace file.
2.3.378.20 outputdebugstringflag (FI-918)	
Type:	bool (Not Modifiable)
Remarks:	Trace configuartion option. Cisco engineers use this setting
2.3.378.21 processname (FI-3294)	
Type:	string [30] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Process name that uses Database.
2.3.378.22 productmask (FI-3295)	
Type:	long (Not Modifiable)
Default Value:	1
Remarks:	Bitmask of products to which this service applies (CCM, Unity, etc.)
2.3.378.23 servername (FI-909)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
2.3.378.24 supportalarm (FI-1127)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
2.3.378.25 supportsditrace (FI-1125)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	indicator for whether the service support SDI trace

2.3.378.26 supportsdltrace (FI-1126)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	indicator for whether the service support SDL trace
2.3.378.27 supportserviceparams (FI-1182)	
Type:	bool (Not Modifiable)
Default Value:	TRUE
2.3.378.28 supportslog4jtrace (FI-2050)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Created during installation.
2.3.378.29 tkservicecategory (FI-1124)	
Type:	enum (Not Modifiable)
Default Value:	0
2.3.378.30 tkservicegrouping (FI-1973)	
Type:	enum (Not Modifiable)
Default Value:	0
Remarks:	controls grouping of display
2.3.378.31 tkservicerestriction (FI-1974)	
Type:	enum (Not Modifiable)
Default Value:	0
Remarks:	controls if number of servers can be activated
2.3.378.32 tktracelevelgroups (FI-2059)	
Type:	enum (Not Modifiable)
Default Value:	0
2.3.378.33 tracelevel (FI-915)	
Type:	long (Not Modifiable)
2.3.378.34 tracelevelcategory (FI-2048)	
Type:	long (Not Modifiable)

	Default Value:	0
	Remarks:	if standard set true during installation.
	2.3.378.35 tracename (FI-1219)	
	Type:	string [10] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	short service name used for trace log
	2.3.378.36 usercategories (FI-914)	
	Type:	long (Not Modifiable)
	2.3.378.37 usexml (FI-919)	
	Type:	bool (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.379 typeservicecategory (TI-187)

Description:	list of servcie category Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.379.1 enum (FI-1135)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.379.2 moniker (FI-1137)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.379.3 name (FI-1136)
	Type: string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.380 typeservicegrouping (TI-280)

Description:	list of goups of servcies Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.380.1 enum (FI-1978)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.380.2 moniker (FI-1977)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.380.3 name (FI-1976)** Type: string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.381 typeserviceresriction (TI-281)

Description:	Is number of servers servcie can be activated restricted Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.381.1 enum (FI-1982)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.381.2 moniker (FI-1981)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.381.3 name (FI-1980)** Type: string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.382 typesilencesuppressionthreshold (TI-60)

Description:	allowed silence suppression thresholds in dB Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.382.1 enum (FI-384)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.382.2 moniker (FI-452)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.382.3 name (FI-385)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.383 typesipassertedtype (TI-467)

Description:	Options: Default=0, PAI=1, PPI=2 Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.383.1 enum (FI-3490)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.383.2 moniker (FI-3492)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.383.3 name (FI-3491)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.384 typesipcodec (TI-205)

Description:	used for SIP Trunk codecs Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.384.1 enum (FI-1293)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.384.2 moniker (FI-1292)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.384.3 name (FI-1291)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.385 typesipprivacy (TI-466)

Description:	Options: Default=0, None=1, ID=2, ID Critical=6 Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.385.1 enum (FI-3486)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.385.2 moniker (FI-3488)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.385.3 name (FI-3487)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.386 typesipreroute (TI-480)

Description:	Type of rerouting information used for calls over SIP trunks Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.386.1 enum (FI-3574)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.386.2 moniker (FI-3576)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.386.3 name (FI-3575)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.387 typesoftkey (TI-188)

Description:	Softkey event for Sculpin Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.387.1 englishlabel (FI-1144)**
	Type: string [16] (Unique, Not Modifiable)
	Default Value: EMPTY
	Remarks: The English label for softkey, such as "Redial".
	2.3.387.2 enum (FI-1141)
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: range of 1-255. This enum is actually a event ID, which is associated with application. 1-64 for Call Processing, 65-255 for other application
	2.3.387.3 helpid (FI-1160)
	Type: long (Not Modifiable, Null OK)
	Default Value: NULL
	Remarks: help id for telecatser help text
	2.3.387.4 mandatorymask (FI-1145)

	Type:	long (Not Modifiable)
	Default Value:	0
	Remarks:	Indicator for whether the softkey is required in certain call state
	2.3.387.5 moniker (FI-1148)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.387.6 name (FI-1147)	
	Type:	string [50] (Not Modifiable)
	2.3.387.7 tag (FI-1143)	
	Type:	string [0] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	This tag is used for localization application to look up the display text for phone
	2.3.387.8 tkservice (FI-1142)	
	Type:	enum (Not Modifiable)
	Default Value:	0
	2.3.387.9 validationmask (FI-1146)	
	Type:	long (Not Modifiable)
	Default Value:	0
	Remarks:	Indicator for whether the softkey is valid in certain state
Uniqueness:	No multicolumn uniqueness constraints	

2.3.388 typesrstoption (TI-195)

Description:	List of SRST option supported by Cisco Phone and DB Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.388.1 enum (FI-1205)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.388.2 moniker (FI-1207)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.388.3 name (FI-1206)	
	Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.389 typestartdialprotocol (TI-114)

Description:	Immediate vs wink, etc. Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.389.1 enum (FI-626)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.389.2 moniker (FI-628)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.389.3 name (FI-627)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.390 typestatus (TI-61)

Description:	tri-state values (on, off, default) Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.390.1 enum (FI-386)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.390.2 moniker (FI-453)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.390.3 name (FI-387)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.391 typesubclass (TI-392)

Description:	CIA-309 to facilitate Servicability Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.391.1 enum (FI-2900)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.391.2 moniker (FI-2902)
	Type: string [100] (Unique, Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.391.3 name (FI-2901)
	Type: string [100] (Not Modifiable)
	2.3.391.4 tkclass (FI-2947)
	Type: enum (Not Modifiable)
	2.3.391.5 value (FI-2948)
	Type: enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.392 typesupportsfeature (TI-179)

Description:	The various features support by CM Records may be modified only by installation and/or DB triggers.

Fields:

2.3.392.1 description (FI-1198)

Type:	string [1024] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Describes the feature and any extra values it might require.

2.3.392.2 enum (FI-1104)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.392.3 hasparameter (FI-1363)

Type:	bool (Not Modifiable)
Default Value:	0
Remarks:	Does this feature have a parameter that the user might enter?

2.3.392.4 isgatewayfeature (FI-1365)

Type:	bool (Not Modifiable)
Default Value:	0
Remarks:	Is this a gateway feature?

2.3.392.5 isphonefeature (FI-1364)

Type:	bool (Not Modifiable)
Default Value:	0
Remarks:	Is this a phone feature?

2.3.392.6 moniker (FI-1106)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.392.7 name (FI-1105)

Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.393 typesystemfeature (TI-96)

Description:	null Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.393.1 enum (FI-375)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.393.2 moniker (FI-454)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.393.3 name (FI-390)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.394 typetableinfo (TI-265)

Description:	Table information (datadictionary in database) Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.394.1 checkconstraint (FI-1872)**
	Type: string [255] (Not Modifiable, Null OK)
	Default Value: EMPTY
	Remarks: Text that will be used to specifiy the rules for a column.(must follow check SQL syntax)
	2.3.394.2 convertcopy (FI-1984)
	Type: bool (Not Modifiable)
	Remarks: true is talbe is to be copied during db conversion
	2.3.394.3 description (FI-1862)
	Type: string [255] (Not Modifiable, Null OK)
	Default Value: EMPTY

Remarks:	Best development descriptoin of table
2.3.394.4 enum (FI-1860)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	Integer that enumerates tables
2.3.394.5 excludechangenotifycheck (FI-1869)	
Type:	bool (Not Modifiable)
Remarks:	True if change notify is not used with this able
2.3.394.6 hasdefaultrecords (FI-1866)	
Type:	bool (Not Modifiable)
Remarks:	True if recoreds for this table are found in datadictionary
2.3.394.7 isreplicated (FI-1863)	
Type:	bool (Not Modifiable)
Remarks:	Shall this table be incoperated in to replication configuration.
2.3.394.8 migrationnote (FI-1867)	
Type:	string [255] (Not Modifiable, Null OK)
Remarks:	Textual description of where this value is created from(table and column) in previous schema.
2.3.394.9 notmodifiable (FI-1871)	
Type:	bool (Not Modifiable)
Remarks:	True if can not be modified by user (only modified by install or trigger)
2.3.394.10 nouserinsert (FI-1870)	
Type:	bool (Not Modifiable)
Remarks:	True if can not be inserted by user (only inserted by install or trigger)
2.3.394.11 processconfigrelation (FI-2008)	
Type:	bool (Not Modifiable)
2.3.394.12 tableguid (FI-2961)	
Type:	guid (Not Modifiable)
Default Value:	newid()
2.3.394.13 tablename (FI-1861)	
Type:	string [32] (Unique, Indexed, Not Modifiable)

	Default Value:	EMPTY
	Remarks:	Name of table
Uniqueness:	No multicolumn uniqueness constraints	

2.3.395 typetelnetlevel (TI-397)

Description:	telnet enable level for 7960 and 7940 phones Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.395.1 enum (FI-2969)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.395.2 moniker (FI-2971)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.395.3 name (FI-2970)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.396 typeterminal (TI-139)

Description:	used for gatekeeper Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.396.1 enum (FI-779)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.396.2 moniker (FI-781)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.396.3 name (FI-780)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.397 typetimeofday (TI-311)

Description:	Used for Time Period Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.397.1 enum (FI-2153)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.397.2 moniker (FI-2154)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.397.3 name (FI-2152)	
	Type:	string [100] (Unique, Indexed, Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.398 typetimeschedulecategory (TI-477)

Description:	Type of Time Schedule Categories, regular or holiday/vacation schedule Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.398.1 enum (FI-3535)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.398.2 moniker (FI-3537)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.398.3 name (FI-3536)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.399 typetimezone (TI-62)

Description:	24 time zones Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.399.1 abbreviation (FI-3065)**	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	2.3.399.2 bias (FI-1223)	
	Type:	long (Not Modifiable, Null OK)
	Default Value:	NULL
	2.3.399.3 description (FI-396)	
	Type:	string [100] (Not Modifiable)
	Default Value:	EMPTY
	2.3.399.4 dstbias (FI-1227)	
	Type:	long (Not Modifiable, Null OK)
	Default Value:	NULL
	2.3.399.5 dstdate (FI-1226)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY

2.3.399.6 enum (FI-394)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.399.7 legacyname (FI-3226)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
Remarks:	the old timezone name before Olson
2.3.399.8 moniker (FI-461)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.399.9 name (FI-395)	
Type:	string [100] (Not Modifiable)
2.3.399.10 stdbias (FI-1225)	
Type:	long (Not Modifiable, Null OK)
Default Value:	NULL
2.3.399.11 stddate (FI-1224)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints

2.3.400 typetracelevelgrouping (TI-295)

Description:	Used to map which trace level to trace level groups Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.400.1 description (FI-2069)	
	Type:	string [255] (Not Modifiable)
	Default Value:	EMPTY
	2.3.400.2 enum (FI-2064)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.400.3 moniker (FI-2065)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.400.4 name (FI-2066)	
	Type:	string [100] (Not Modifiable)
	2.3.400.5 tktracelevelgroups (FI-2068)	
	Type:	enum (Not Modifiable)
	Default Value:	0
	2.3.400.6 value (FI-2067)	
	Type:	long (Not Modifiable)
	Default Value:	0
Uniqueness:	No multicolumn uniqueness constraints	

2.3.401 typetracelevelgroups (TI-294)

Description:	Used to specify which trace level group will be used by service Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.401.1 enum (FI-2061)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.401.2 moniker (FI-2062)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.401.3 name (FI-2063)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.402 typetransport (TI-204)

Description:	used for SIP Trunk, has 2 values TCP or UDP Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.402.1 enum (FI-1294)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.402.2 moniker (FI-1295)	
	Type:	string [100] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.402.3 name (FI-1296)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.403 typetrunk (TI-63)

Description:	trunk types for access devices Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.403.1 enum (FI-412)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.403.2 moniker (FI-456)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.403.3 name (FI-413)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.404 typetrunkdirection (TI-64)

Description:	direction for access ports Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.404.1 enum (FI-397)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.404.2 moniker (FI-457)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.404.3 name (FI-398)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.405 typetrunklevel (TI-65)

Description:	trunk application types Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.405.1 enum (FI-399)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.405.2 moniker (FI-458)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.405.3 name (FI-400)	
	Type:	string [100] (Not Modifiable)
	2.3.405.4 trunkapplicationdescription (FI-401)	
	Type:	string [100] (Not Modifiable)
	Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints	

2.3.406 typetrunkpad (TI-66)

Description:	pad values for trunks in dB Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.406.1 enum (FI-402)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.406.2 moniker (FI-459)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.406.3 name (FI-403)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.407 typetrunkselectionorder (TI-67)

Description:	bottom-up, or top-down selection order Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.407.1 enum (FI-404)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.407.2 moniker (FI-460)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.407.3 name (FI-405)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.408 typetunneledprotocol (TI-312)

Description:	Defines Tunneled Protocol for Intercluster trunks Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.408.1 enum (FI-2158)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.408.2 moniker (FI-2156)** Type: string [100] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.408.3 name (FI-2157)** Type: string [100] (Unique, Indexed, Not Modifiable) **2.3.408.4 tunneledprotocol (FI-2155)** Type: long
Uniqueness:	No multicolumn uniqueness constraints

2.3.409 typeuserassociation (TI-328)

Description:	User association types (CTI Control IN, CTI control out, Digest In, Digest Out, Profile Available) Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.409.1 enum (FI-2449)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.409.2 moniker (FI-2451)
	Type: string [100] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.409.3 name (FI-2450)
	Type: string [100] (Unique, Indexed, Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.410 typeuserlocale (TI-169)

Description:	list of user locales Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.410.1 alternatescript (FI-2097)**
	Type: string [20] (Not Modifiable)
	Default Value: EMPTY
	2.3.410.2 cmversion (FI-1029)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	2.3.410.3 componentversion (FI-1030)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	2.3.410.4 enum (FI-1084)
	Type: enum (Unique, Indexed, Not Modifiable)

	Remarks:	A number to identify the record
	2.3.410.5 languagelocalecode (FI-2071)	
	Type:	string [10] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	ISO two character ISO language code and two character ISO country code concatenated with an underscore (mixed case): example fr_FR, en_US, it_IT, zh_HK
	2.3.410.6 localecode (FI-2070)	
	Type:	string [10] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	ISO three character locale code (uppercase): example FRA, ENU, ITA, PTB, ZHH
	2.3.410.7 moniker (FI-1034)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.410.8 name (FI-1027)	
	Type:	string [50] (Not Modifiable)
	2.3.410.9 nativename (FI-1055)	
	Type:	string [100] (Not Modifiable)
	Default Value:	EMPTY
	2.3.410.10 tklanguage_spoken (FI-1032)	
	Type:	enum (Not Modifiable)
	2.3.410.11 tklanguage_written (FI-1031)	
	Type:	enum (Not Modifiable)
	2.3.410.12 tkwincharset (FI-1033)	
	Type:	enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.411 typeuserprofile (TI-356)

Description:	Types of users - Real or Template Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.411.1 enum (FI-2654)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.411.2 moniker (FI-2653)** Type: string [50] (Unique, Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.411.3 name (FI-2652)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.412 typewebpageinfo (TI-299)

Description:	List of web pages in CCMAdmin Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.412.1 bundle (FI-2103)** Type: string [50] (Not Modifiable) Default Value: EMPTY **2.3.412.2 description (FI-2102)** Type: string [50] (Not Modifiable) Default Value: EMPTY **2.3.412.3 enum (FI-2099)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.412.4 findlisttopicmarker (FI-2513)** Type: string [50] (Not Modifiable) Default Value: EMPTY **2.3.412.5 formname (FI-2100)**

	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	2.3.412.6 pagename (FI-2104)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	2.3.412.7 title (FI-2101)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	2.3.412.8 topicmarker (FI-2514)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints	

2.3.413 typewincharset (TI-172)

Description:	List of Windows character set Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.413.1 enum (FI-1046)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.413.2 moniker (FI-1048)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.413.3 name (FI-1047)	
	Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.414 typeyellowalarm (TI-127)

Description:	used for T1 and PRI Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.414.1 enum (FI-727)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.414.2 moniker (FI-729)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.414.3 name (FI-728)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.415 typezerosuppression (TI-124)

Description:	used for T1 and PRI Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.415.1 enum (FI-733)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.415.2 moniker (FI-735)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.415.3 name (FI-734)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.416 typezzconfbridge (TI-377)

Description:	use local or phone conference bridge (0 - Local,1 - CCM Conf) Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.416.1 enum (FI-2777)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.416.2 moniker (FI-2778)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.416.3 name (FI-2779)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.417 typezzdndcontrol (TI-412)

Description:	Types of Do Not Disturb (DND) control for SIP Phones Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.417.1 enum (FI-3060)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.417.2 moniker (FI-3062)** Type: string [50] (Unique, Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.417.3 name (FI-3061)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.418 typezzdtmfdblevel (TI-379)

Description:	dtmf transmit level (1 - 6 dB below nominal, 2 - 3 dB below nominal, 3-nominal, 4-3 dB above nominal, 5-6 dB above nominal) Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.418.1 enum (FI-2783)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.418.2 moniker (FI-2784)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.418.3 name (FI-2785)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.419 typezznetworkmediatype (TI-381)

Description:	network Media (0 - Auto, 1 - Full100, 2 - Half100, 3 - Full10, 3 - Half10) Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.419.1 enum (FI-2789)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.419.2 moniker (FI-2790)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.419.3 name (FI-2791)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.420 typezzntpmode (TI-411)

Description:	Types of NTP for SIP Phones Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.420.1 enum (FI-3057)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.420.2 moniker (FI-3059)** Type: string [50] (Unique, Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.420.3 name (FI-3058)** Type: string [100] (Not Modifiable) **2.3.420.4 phone (FI-3070)** Type: string [50] (Not Modifiable) Default Value: EMPTY
Uniqueness:	No multicolumn uniqueness constraints

2.3.421 typezzpreff (TI-402)

Description:	Used to differentiate phone control levels for SIP phones Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.421.1 enum (FI-2995)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.421.2 moniker (FI-2997)** Type: string [50] (Unique, Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.421.3 name (FI-2996)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.422 typezzuserinfo (TI-378)

Description:	type of user (0 - none,1 - phone,2- ip) Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.422.1 enum (FI-2780)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.422.2 moniker (FI-2781)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.422.3 name (FI-2782)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.423 voicemessagingpilot (TI-176)

Description:	null	
Fields:	**2.3.423.1 description (FI-1067)**	
	Type:	string [50]
	Default Value:	EMPTY
	Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{0,50}$
	Rule (RFI-101):	Type: Inter-field Condition and Constraint
		Test Condition: pkid = '00000000-1111-0000-0000-000000000000'
		Constraint:
		Restriction: Not Modifiable
		Remarks: Cannot change system VM Pilot record except default setting
	2.3.423.2 directorynumber (FI-1066)	
	Type:	dn (Null OK)

DN Type:	DN_TYPE_ALL_DIGITS	
Default Value:	NULL	
Validation:	^[0-9*#+]{1,50}$	
Rule (RFI-102):	Type:	Inter-field Condition and Constraint
	Test Condition:	pkid = '00000000-1111-0000-0000-000000000000'
	Constraint:	
	Restriction:	Not Modifiable
	Remarks:	Cannot change system VM Pilot record except default setting
Rule (RI-241):	Type:	Active (Insert/Update)
	Rule Name:	ValidatePilotNumber
	Description:	validatePilotNumber: check uniqueness of pilotNumber and CSSID. This is a post-insert trigger
	Test Condition:	?
	Error Message:	?
	Remedy:	?

2.3.423.3 fkcallingsearchspace (FI-1068)

Type:	guid (Null OK)	
Default Value:	NULL	
Rule (RFI-103):	Type:	Inter-field Condition and Constraint
	Test Condition:	pkid = '00000000-1111-0000-0000-000000000000'
	Constraint:	
	Restriction:	Not Modifiable
	Remarks:	Cannot change system VM Pilot record except default setting

Rule (RI-241):	Type:	Active (Insert/Update)
	Rule Name:	ValidatePilotNumber
	Description:	validatePilotNumber: check uniqueness of pilotNumber and CSSID. This is a post-insert trigger
	Test Condition:	?
	Error Message:	?
	Remedy:	?

2.3.423.4 isdefault (FI-1069)

Type:	bool (Not Modifiable)
Default Value:	FALSE

Rule (RI-156):	Type:	Validation (Delete)
	Rule Name:	Default Voice Mail Pilot cannot be deleted
	Description:	The default Voice Mail Pilot record cannot be deleted.
	Test Condition:	ON DELETE FROM VoiceMessagingPilot WHERE isDefault = TRUE
	Error Message:	The Default Voice Pilot Record is a required and cannot be deleted.
	Remedy:	Select another Voice Mail Pilot to be the default before deleting the current item.
Rule (RI-158):	Type:	Validation (Insert/Update)
	Rule Name:	VM Pilot - Only One Default Allowed
	Description:	There must be one and only one Voice Mail Pilot marked as the default at any time. The database makes sure that any time a Voice Mail Pilot is made the default, no other default exists.
	Test Condition:	IF UPDATE VoiceMessagingPilot SET IsDefault = TRUE WHERE pkid = @VoiceMessagingPilot.pkid THEN UPDATE VoiceMessagingPilot SET IsDefault = FALSE WHERE pkid != @VoiceMessagingPilot.pkid

2.3.423.5 pkid (FI-1065)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

Rule (RI-154):	Type:	Validation (Delete)
	Rule Name:	No Voice Mail Pilot cannot be deleted
	Description:	The system installed No Voice Mail Pilot record cannot be deleted.
	Test Condition:	ON DELETE FROM VoiceMessagingPilot WHERE pkid = '00000000-1111-0000-0000-000000000000'
	Error Message:	No Voice Pilot Record is a required system record and cannot be deleted.
Rule (RI-158):	Type:	Validation (Insert/Update)
	Rule Name:	VM Pilot - Only One Default Allowed
	Description:	There must be one and only one Voice Mail Pilot marked as the default at any time. The database makes sure that any time a Voice Mail Pilot is made the default, no other default exists.
	Test Condition:	IF UPDATE VoiceMessagingPilot SET IsDefault = TRUE WHERE pkid = @VoiceMessagingPilot.pkid THEN UPDATE VoiceMessagingPilot SET IsDefault = FALSE WHERE pkid != @VoiceMessagingPilot.pkid
Rule (RI-241):	Type:	Active (Insert/Update)
	Rule Name:	ValidatePilotNumber
	Description:	validatePilotNumber: check uniqueness of pilotNumber and CSSID. This is a post-insert trigger
	Test Condition:	?
	Error Message:	?
	Remedy:	?
Rule (RI-311):	Type:	Active (Insert/Update/Delete records)
	Rule Name:	device versionstamp on voicemessagepilot
	Description:	Any operation on voicemessagingpilot, update device deviceversionstamp record
	Test Condition:	update voicemessagepilot

2.3.423.6 resettoggle (FI-3096)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset

	Rule (RI-311):	Type:	Active (Insert/Update/Delete records)
		Rule Name:	device versionstamp on voicemessagepilot
		Description:	Any operation on voicemessagingpilot, update device deviceversionstamp record
		Test Condition:	update voicemessagepilot
	2.3.423.7 tkreset (FI-3097)		
	Type:	enum	
	Default Value:	2	
	Remarks:	Set by DeviceReset stored procedure.	
Uniqueness:	No multicolumn uniqueness constraints		
Rules:	Rule (RI-154):	Type:	Validation (Delete) Rule applied when record is deleted.
		Rule Name:	No Voice Mail Pilot cannot be deleted
		Description:	The system installed No Voice Mail Pilot record cannot be deleted.
		Test Condition:	ON DELETE FROM VoiceMessagingPilot WHERE pkid = '00000000-1111-0000-0000-000000000000'
		Error Message:	No Voice Pilot Record is a required system record and cannot be deleted.
	Rule (RI-156):	Type:	Validation (Delete) Rule applied when record is deleted.
		Rule Name:	Default Voice Mail Pilot cannot be deleted
		Description:	The default Voice Mail Pilot record cannot be deleted.
		Test Condition:	ON DELETE FROM VoiceMessagingPilot WHERE isDefault = TRUE
		Error Message:	The Default Voice Pilot Record is a required and cannot be deleted.
		Remedy:	Select another Voice Mail Pilot to be the default before deleting the current item.

Rule (RI-158):	Type:	Validation (Insert/Update) Rule applied when record is inserted or updated.
	Rule Name:	VM Pilot - Only One Default Allowed
	Description:	There must be one and only one Voice Mail Pilot marked as the default at any time. The database makes sure that any time a Voice Mail Pilot is made the default, no other default exists.
	Test Condition:	IF UPDATE VoiceMessagingPilot SET IsDefault = TRUE WHERE pkid = @VoiceMessagingPilot.pkid THEN UPDATE VoiceMessagingPilot SET IsDefault = FALSE WHERE pkid != @VoiceMessagingPilot.pkid

2.3.424 voicemessagingprofile (TI-177)

Description: null

Fields:

2.3.424.1 description (FI-1072)

Type:	string [50]	
Default Value:	EMPTY	
Validation:	^[]a-zA-Z 0-9._*!#[^+?-]{0,50}$	
Rule (RFI-104):	Type:	Inter-field Condition and Constraint
	Test Condition:	pkid = '00000000-1111-0000-0000-000000000000'
	Constraint:	
	Restriction:	Not Modifiable
	Remarks:	Cannot change system VM Profile record except default setting

2.3.424.2 fkvoicemessagingpilot (FI-1073)

Type:	guid (Cascade Delete, Null OK)	
Default Value:	NULL	
Rule (RFI-105):	Type:	Inter-field Condition and Constraint
	Test Condition:	pkid = '00000000-1111-0000-0000-000000000000'
	Constraint:	
	Restriction:	Not Modifiable
	Remarks:	Cannot change system VM Profile record except default setting

2.3.424.3 isdefault (FI-1075)

Type:	bool (Not Modifiable)	
Default Value:	FALSE	
Rule (RI-157):	Type:	Validation (Delete)
	Rule Name:	Default Voice Mail Profile cannot be deleted
	Description:	The default Voice Mail Profile record cannot be deleted.
	Test Condition:	ON DELETE FROM VoiceMessagingProfile WHERE isDefault = TRUE
	Error Message:	The Default Voice Profile Record is a required and cannot be deleted.
	Remedy:	Select another Voice Mail Profile to be the default before deleting the current item.
Rule (RI-159):	Type:	Validation (Insert/Update)
	Rule Name:	VM Profile - Only One Default Allowed
	Description:	There must be one and only one Voice Mail Profile marked as the default at any time. The database makes sure that any time a Voice Mail Profile is made the default, no other default exists.
	Test Condition:	IF UPDATE VoiceMessagingProfile SET IsDefault = TRUE WHERE pkid = @VoiceMessagingProfile.pkid THEN UPDATE VoiceMessagingProfile SET IsDefault = FALSE WHERE pkid != @VoiceMessagingProfile.pkid
	Error Message:	No Voice Profile Record is a required system record and cannot be deleted.

2.3.424.4 name (FI-1071)

Type:	string [50] (Unique)	
Validation:	^[a-zA-Z0-9._-]{1,50}$	
Rule (RFI-106):	Type:	Inter-field Condition and Constraint
	Test Condition:	pkid = '00000000-1111-0000-0000-000000000000'
	Constraint:	
	Restriction:	Not Modifiable
	Remarks:	Cannot change system VM Profile record except default setting

2.3.424.5 pkid (FI-1070)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()

Remarks:	Unique ID to identify a record.	
Rule (RI-155):	Type:	Validation (Delete)
	Rule Name:	No Voice Mail Profile cannot be deleted
	Description:	The system installed No Voice Mail Profile record cannot be deleted.
	Test Condition:	ON DELETE FROM VoiceMessagingProfile WHERE pkid = '00000000-1111-0000-0000-000000000000'
	Error Message:	No Voice Profile Record is a required system record and cannot be deleted.
Rule (RI-159):	Type:	Validation (Insert/Update)
	Rule Name:	VM Profile - Only One Default Allowed
	Description:	There must be one and only one Voice Mail Profile marked as the default at any time. The database makes sure that any time a Voice Mail Profile is made the default, no other default exists.
	Test Condition:	IF UPDATE VoiceMessagingProfile SET IsDefault = TRUE WHERE pkid = @VoiceMessagingProfile.pkid THEN UPDATE VoiceMessagingProfile SET IsDefault = FALSE WHERE pkid != @VoiceMessagingProfile.pkid
	Error Message:	No Voice Profile Record is a required system record and cannot be deleted.
Rule (RI-325):	Type:	Active (Insert/Update)
	Rule Name:	voicemessagingprofile versionstamp
	Description:	on change to anything in voicemessagingprofile, update versionstamp in voicemessagingprofile table
	Test Condition:	update voicemessagingprofile

2.3.424.6 resettoggle (FI-3098)

Type:	bool	
Default Value:	FALSE	
Remarks:	Should this device or group be reset	
Rule (RI-325):	Type:	Active (Insert/Update)
	Rule Name:	voicemessagingprofile versionstamp
	Description:	on change to anything in voicemessagingprofile, update versionstamp in voicemessagingprofile table
	Test Condition:	update voicemessagingprofile

2.3.424.7 tkreset (FI-3099)

Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.424.8 versionstamp (FI-3123)

Type:	string [47] (Null OK)
Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
Remarks:	New guid plus seconds past midnight 1970 are concatenated

2.3.424.9 voicemailboxmask (FI-1074)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#+X]{0,50}$

Rule (RFI-107):

Type:	Inter-field Condition and Constraint
Test Condition:	pkid = '00000000-1111-0000-0000-000000000000'
Constraint:	
Restriction:	Not Modifiable
Remarks:	Cannot change system VM Profile record except default setting

Uniqueness: No multicolumn uniqueness constraints

Rules:

Rule (RI-155):

Type:	Validation (Delete) Rule applied when record is deleted.
Rule Name:	No Voice Mail Profile cannot be deleted
Description:	The system installed No Voice Mail Profile record cannot be deleted.
Test Condition:	ON DELETE FROM VoiceMessagingProfile WHERE pkid = '00000000-1111-0000-0000-000000000000'
Error Message:	No Voice Profile Record is a required system record and cannot be deleted.

Rule (RI-157):	Type:	Validation (Delete) Rule applied when record is deleted.
	Rule Name:	Default Voice Mail Profile cannot be deleted
	Description:	The default Voice Mail Profile record cannot be deleted.
	Test Condition:	ON DELETE FROM VoiceMessagingProfile WHERE isDefault = TRUE
	Error Message:	The Default Voice Profile Record is a required and cannot be deleted.
	Remedy:	Select another Voice Mail Profile to be the default before deleting the current item.
Rule (RI-159):	Type:	Validation (Insert/Update) Rule applied when record is inserted or updated.
	Rule Name:	VM Profile - Only One Default Allowed
	Description:	There must be one and only one Voice Mail Profile marked as the default at any time. The database makes sure that any time a Voice Mail Profile is made the default, no other default exists.
	Test Condition:	IF UPDATE VoiceMessagingProfile SET IsDefault = TRUE WHERE pkid = @VoiceMessagingProfile.pkid THEN UPDATE VoiceMessagingProfile SET IsDefault = FALSE WHERE pkid != @VoiceMessagingProfile.pkid
	Error Message:	No Voice Profile Record is a required system record and cannot be deleted.

2.3.425 wsmdevice (TI-415)

Description: Contains data for WSM Trunk implementation

Fields:

2.3.425.1 destinationaddress (FI-3138)

Type:	string [255]
Default Value:	EMPTY
Remarks:	ip address or Domain name of WSM device

2.3.425.2 destinationport (FI-3139)

Type:	long
Default Value:	5061
Check Constraint:	((destinationPort >= 1024) AND (destinationPort <= 65535)) OR (destinationPort = 0)

2.3.425.3 fkdevice (FI-3137)

	Type:	guid (Unique, Indexed, Cascade Delete)
	2.3.425.4 pkid (FI-3136)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.426 wwwcookie (TI-72)

Description:	Used for cookie (and related stats) on browsers	
Fields:	**2.3.426.1 callbackdn (FI-279)**	
	Type:	dn
	DN Type:	DN_TYPE_ALL_DIGITS
	Validation:	^[0-9*#+]{0,50}$
	Migration Source:	CallbackPhone
	2.3.426.2 pkid (FI-278)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.427 xmldisplayinstancerulemap (TI-163)

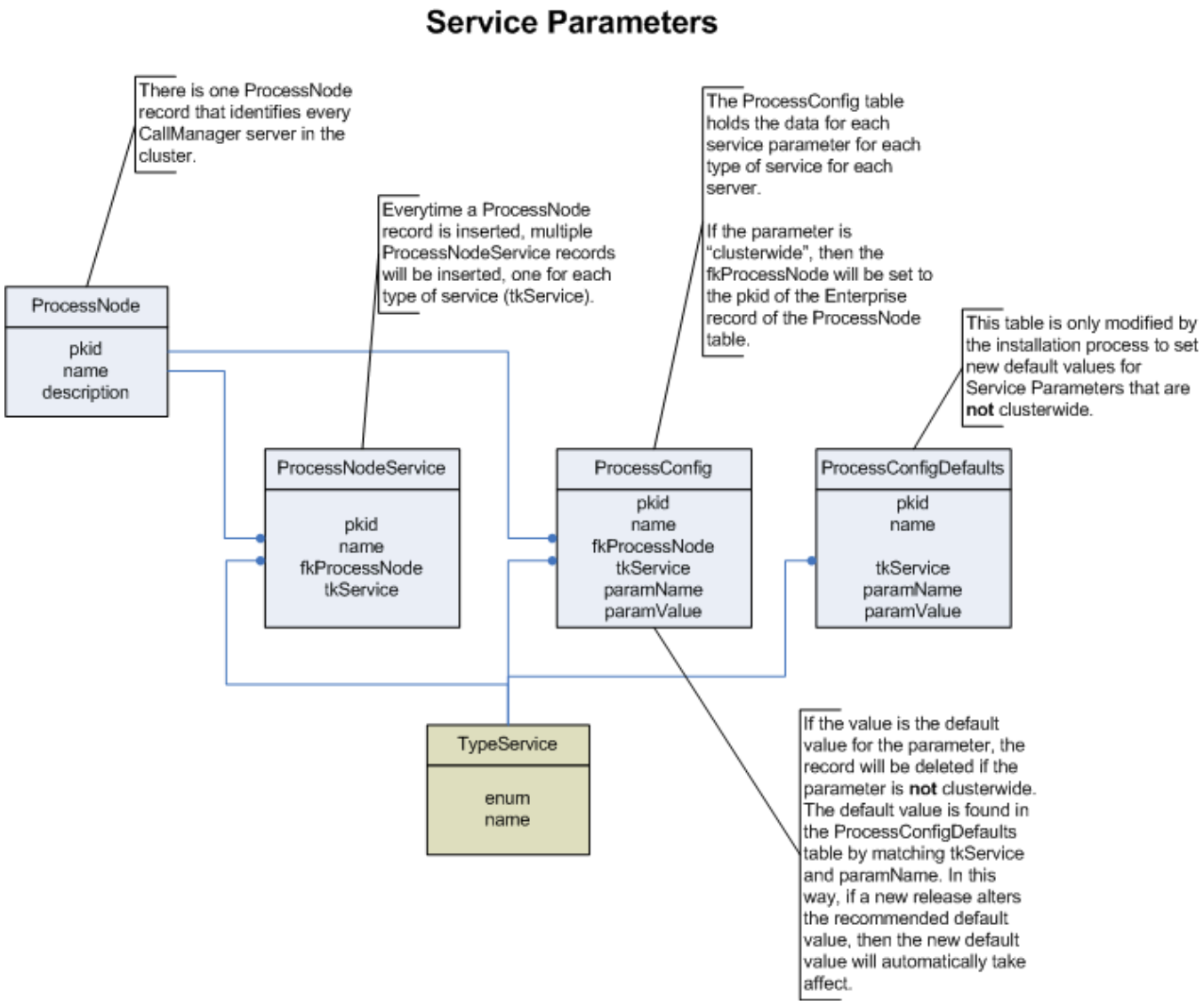
Description:	Maps an XML display instance to an XML rule - both stored in scratch table Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.427.1 fkscratch_displayinstance (FI-947)**	
	Type:	guid (Cascade Delete, Not Modifiable)
	2.3.427.2 fkscratch_rule (FI-948)	
	Type:	guid (Cascade Delete, Not Modifiable)
	2.3.427.3 pkid (FI-946)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

3.0 Common Table Relationships

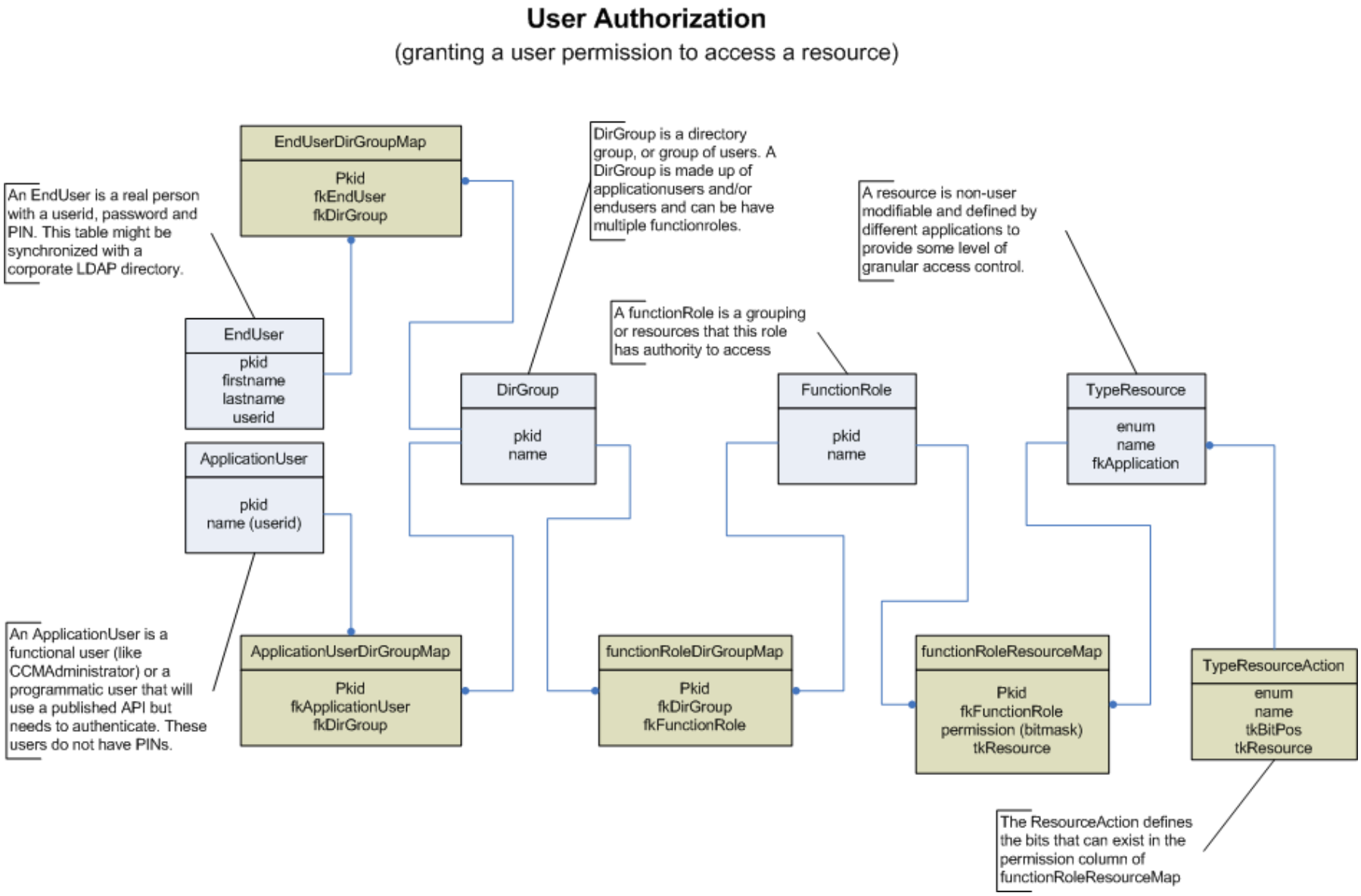
3.1 Servers and Services

Here are the common relationships with Servers, Services and service parameters.



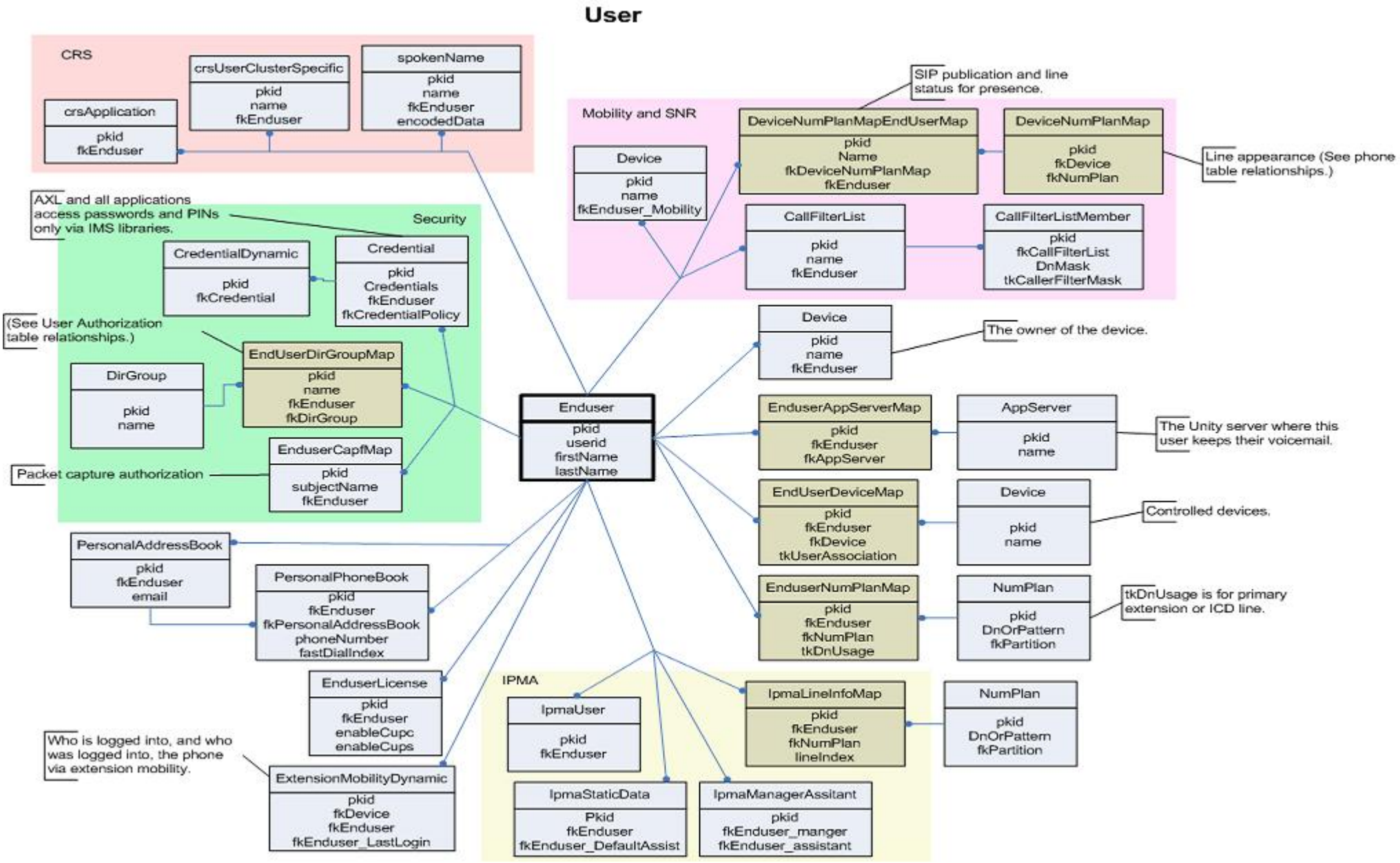
3.2 Roles and Responsibilities

Here are the relationships between users and their roles and responsibilities.



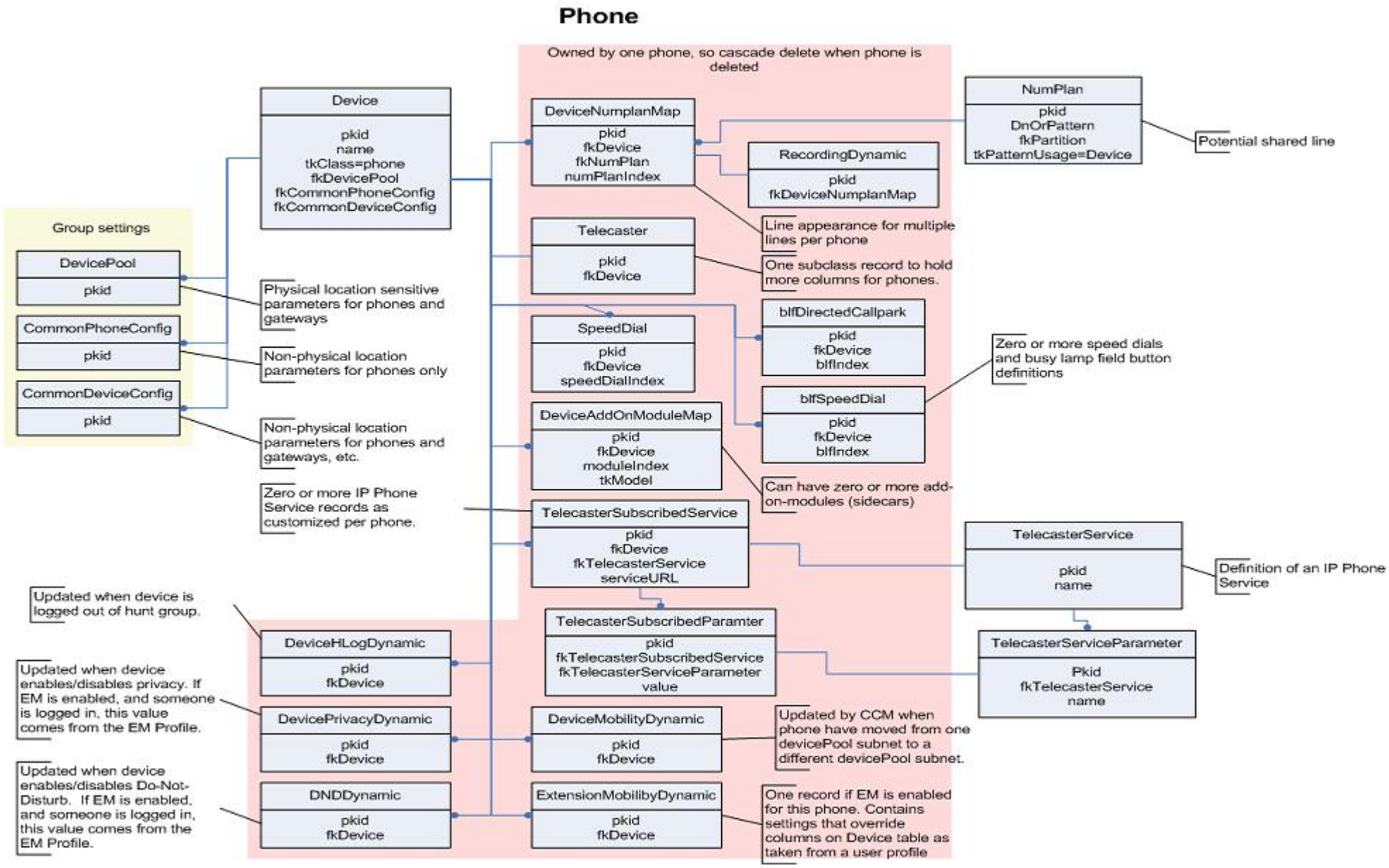
3.3 End User

Here are the relationships for an Enduser.



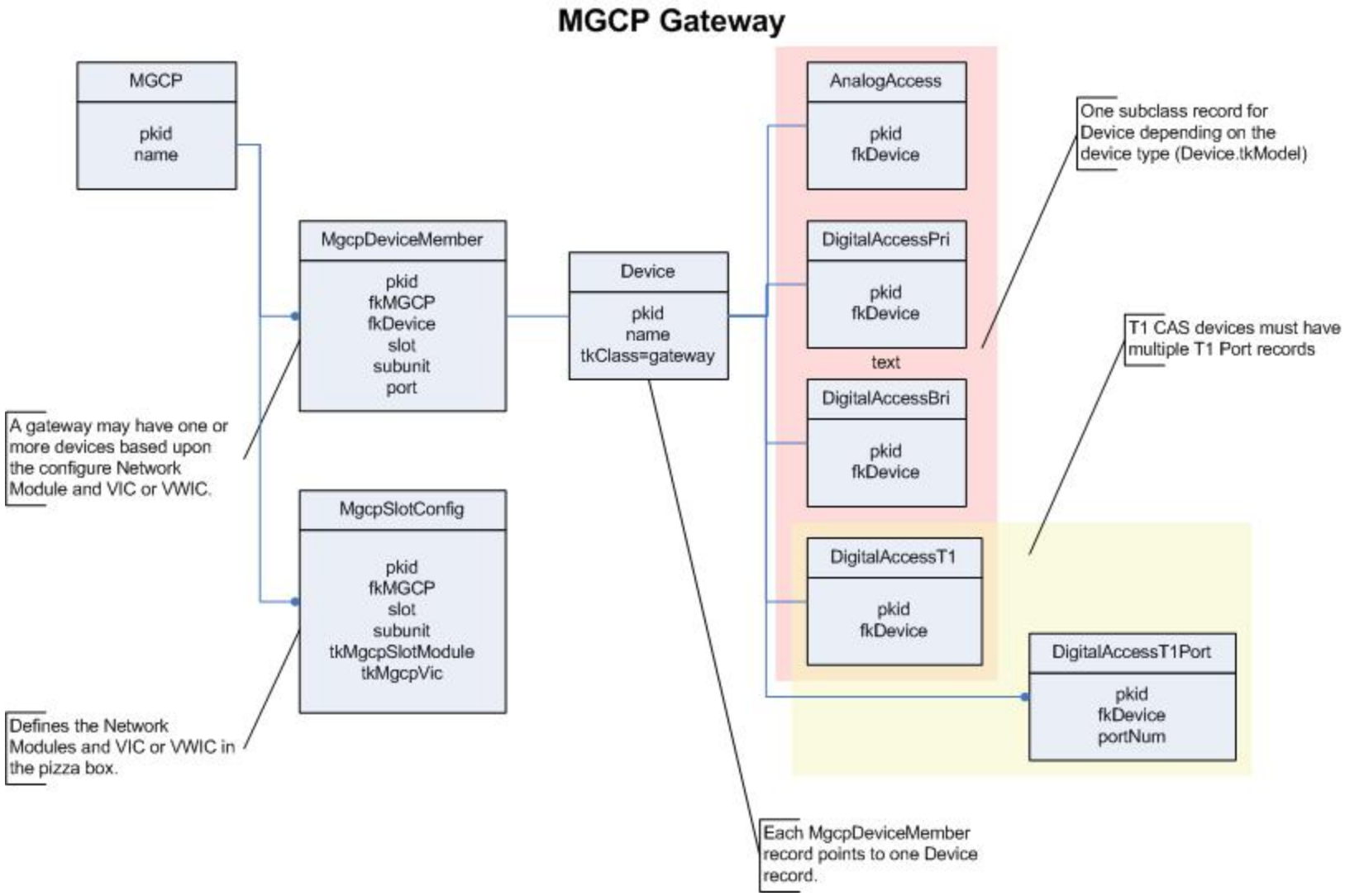
3.4 Phone

Here are the common tables that define a phone.



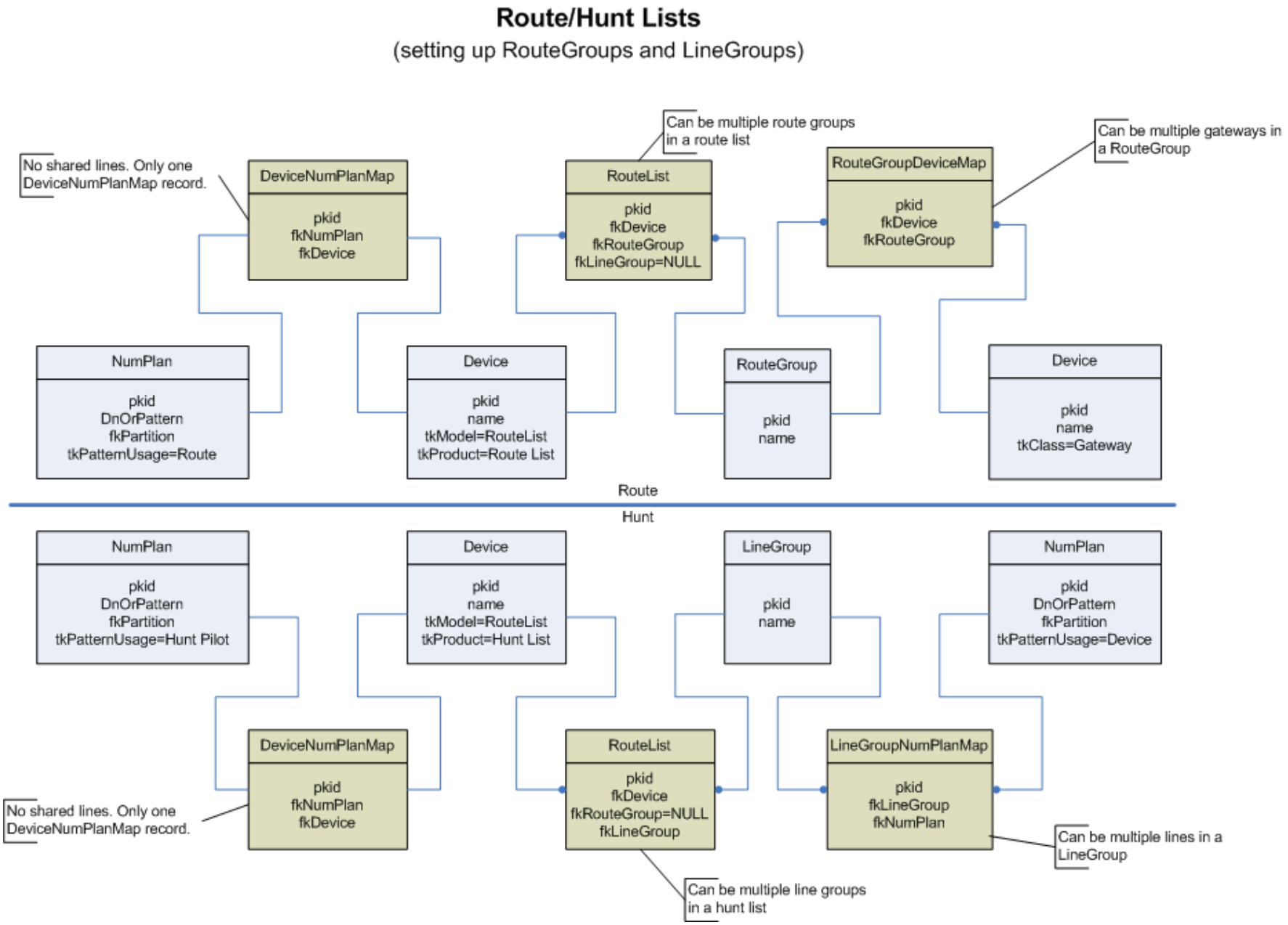
3.5 MGCP Gateway

Here are the common tables that define a gateway.



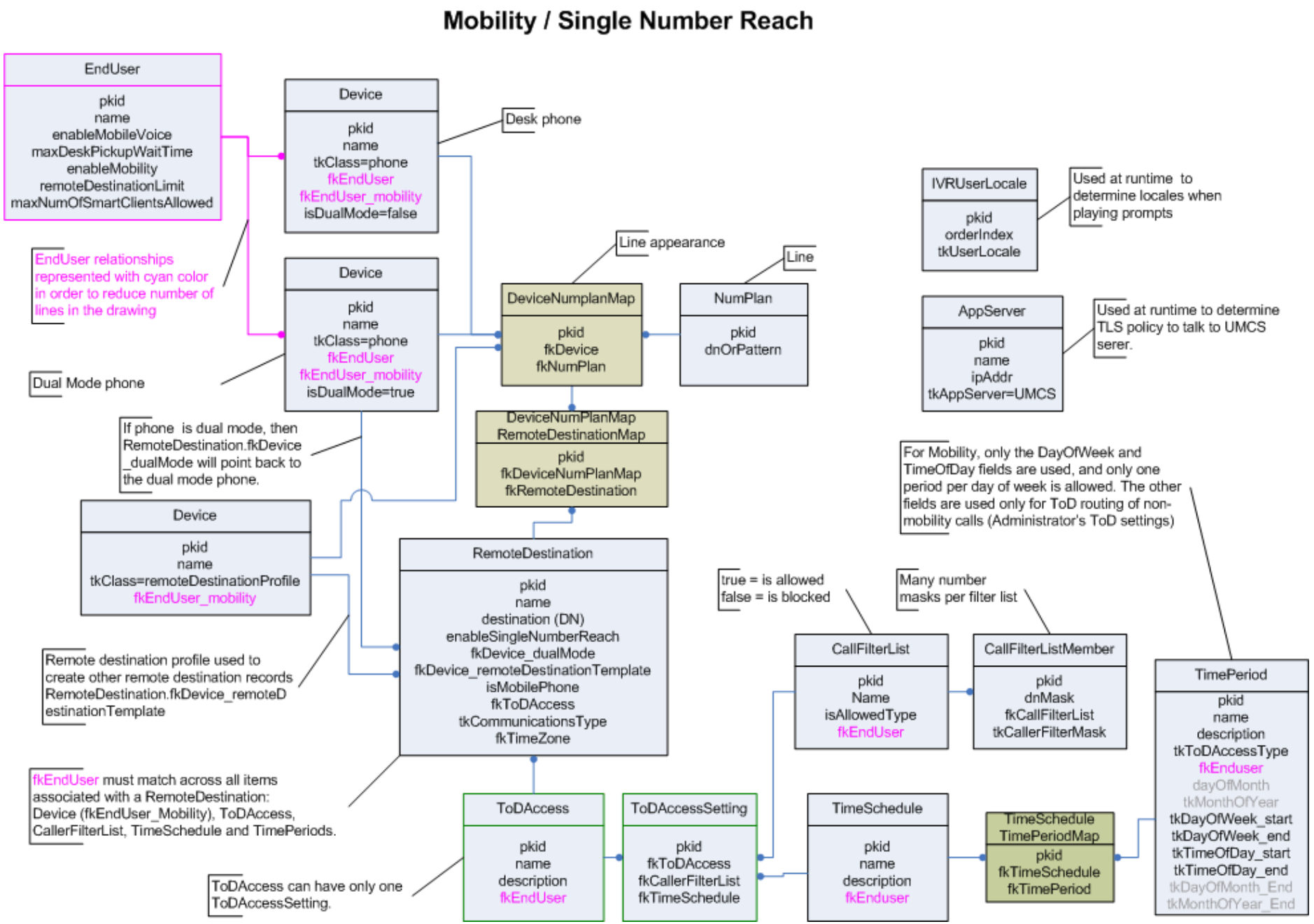
3.6 Route / Hunt Lists

Here are the relationships between Route/Hunt lists and Route/Line Groups.



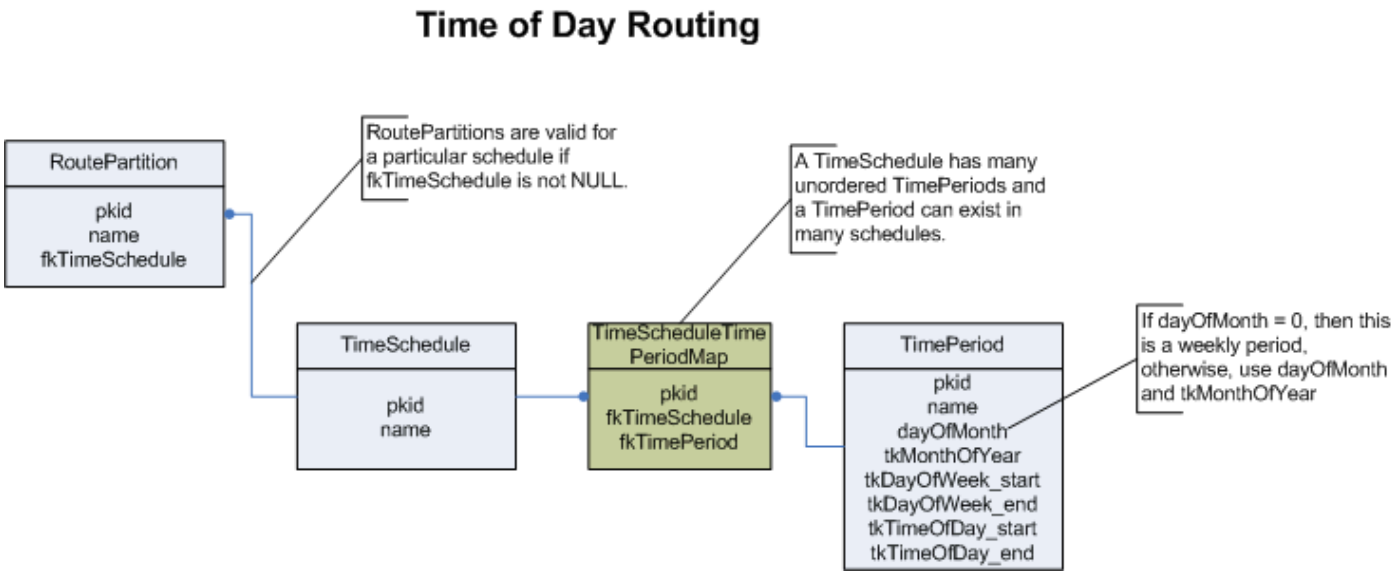
3.7 Mobility/Single Number Reach

Here are the relationships for Mobility and Single Number Reach.



3.8 Time Of Day Routing

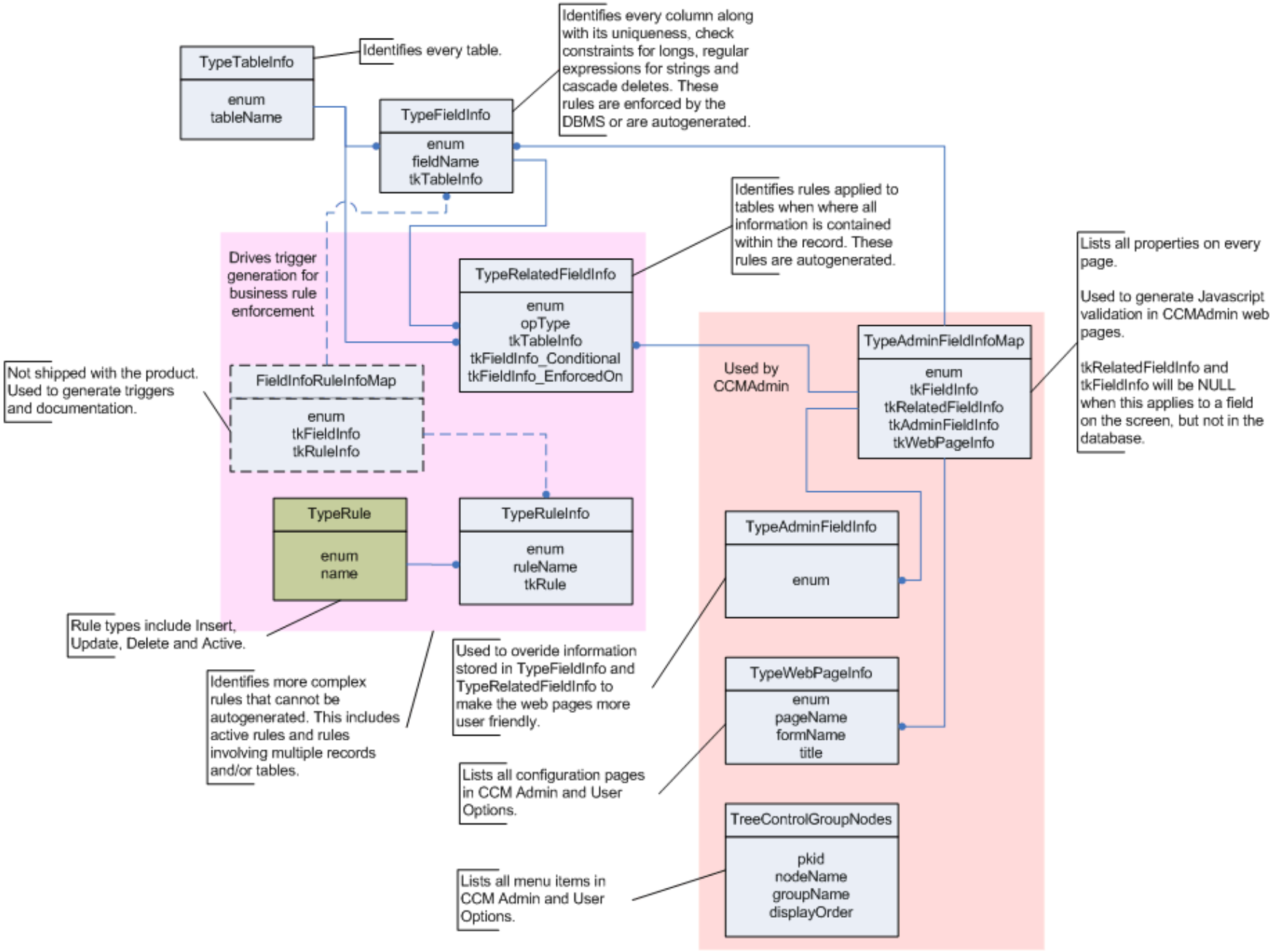
Here are the relationships for Time of Day Routing.



3.9 Data Dictionary Definition

Here are the relationships used to generate the database schema, triggers and this document.

Data Dictionary



4.0 Schema Changes

This section shows the high level differences in schema between this release and previous versions.

4.1 Differences between Cisco Unified Communications Manager 7.1(3) and Cisco Unified Communications Manager 7.1(2)

4.1.1 Tables in Cisco Unified Communications Manager 7.1(2) and not in Cisco Unified Communications Manager 7.1(3)

4.1.2 Tables in Cisco Unified Communications Manager 7.1(3) and not in Cisco Unified Communications Manager 7.1(2)

featurecontrolpolicy, typefeaturecontrol

4.1.3 Tables that are different in Cisco Unified Communications Manager 7.1(3) and Cisco Unified Communications Manager 7.1(2)

Table Name	Fields Removed from Cisco Unified Communications Manager 7.1(3)	Fields Added to Cisco Unified Communications Manager 7.1(3)
commonphoneconfig		fkfeaturecontrolpolicy
device		fkfeaturecontrolpolicy
extensionmobilitydynamic		fkfeaturecontrolpolicy
licenseinfo		isvalid
licenseserver		graceleftdays, gracestarttime
typetimezone	displayindex	legacyname

4.2 Differences between Cisco Unified Communications Manager 7.1(3) and Cisco Unified Communications Manager 7.0(2)

4.2.1 Tables in Cisco Unified Communications Manager 7.0(2) and not in Cisco Unified Communications Manager 7.1(3)

4.2.2 Tables in Cisco Unified Communications Manager 7.1(3) and not in Cisco Unified Communications Manager 7.0(2)

commonphoneconfigxml, enterprisephoneconfigxml, featurecontrolpolicy, geolocation, geolocationfilter, geolocationpolicy, geolocationpolicymatrix, processnodeaudit, typeasn1roseoidencoding, typefeaturecontrol, typegclear, typegeolocationdevice, typeidsauditlevel, typelogicalpartitionpolicy, typeqsigvariant

4.2.3 Tables that are different in Cisco Unified Communications Manager 7.1(3) and Cisco Unified Communications Manager 7.0(2)

Table Name	Fields Removed from Cisco Unified Communications Manager 7.1(3)	Fields Added to Cisco Unified Communications Manager 7.1(3)
appserver		fkprocessnode
commonphoneconfig		fkfeaturecontrolpolicy, sshpassword, sshuserid, tkstatus_alwaysuseprimeline, tkstatus_alwaysuseprimelineforvm
credentialdynamic		lastsuccessfullogintime
device		fkcallingsearchspace_cgpnintl, fkcallingsearchspace_cgpnnational, fkcallingsearchspace_cgpnsubscriber, fkcallingsearchspace_cgpnunknown, fkfeaturecontrolpolicy, fkgeolocation, fkgeolocationfilter_lp, internationalstripdigits, nationalstripdigits, sendgeolocation, subscriberstripdigits, tkstatus_alwaysuseprimeline, tkstatus_alwaysuseprimelineforvm, unknownstripdigits, usedevicepoolcgpntransformcssintl, usedevicepoolcgpntransformcssnatl, usedevicepoolcgpntransformcsssubs, usedevicepoolcgpntransformcssunkn
devicenumplanmap		logmissedcalls
devicepool		fkcallingsearchspace_cgpnintl, fkcallingsearchspace_cgpnnational, fkcallingsearchspace_cgpnsubscriber, fkcallingsearchspace_cgpnunknown, fkgeolocation, fkgeolocationfilter_lp, internationalstripdigits, nationalstripdigits, subscriberstripdigits, unknownstripdigits
digitalaccesspri		tkasn1roseoidencoding, tkqsigvariant
extensionmobilitydynamic		fkfeaturecontrolpolicy, tkstatus_alwaysuseprimeline, tkstatus_alwaysuseprimelineforvm
h323device	allocatedlicenseunits	allowh235passthrough, tkasn1roseoidencoding, tkqsigvariant
licenseinfo		isvalid, licenselineid, upgradefromwindows
licenseserver		graceleftdays, gracestarttime
numplan		fkcallingsearchspace_pkmonfwdnoret, fkcallingsearchspace_pkmonfwdnoretint, parkmonforwardnoretrievedn, parkmonforwardnoretrieveintdn, parkmonforwardnoretrieveintvmenabled, parkmonforwardnoretrievevmenabled, parkmonreversiontimer, tkstatus_partyentrancetone

numplandynamic		faxmessagecounts, faxmessagecountsnew, faxmessagecountsold, faxmessagecountsurgent, faxmessagecountsurgentnew, faxmessagecountsurgentold, voicemessagecounts, voicemessagecountsnew, voicemessagecountsold, voicemessagecountsurgent, voicemessagecountsurgentnew, voicemessagecountsurgentold
sipdevice	allocatedlicenseunits	
sipprofile		earlyofferforgclearenable, tkgclear
typeresource		description
typetimezone	displayindex	legacyname

4.3 Differences between Cisco Unified Communications Manager 7.1(3) and Cisco Unified Communications Manager 6.1(4)

4.3.1 Tables in Cisco Unified Communications Manager 6.1(4) and not in Cisco Unified Communications Manager 7.1(3)

4.3.2 Tables in Cisco Unified Communications Manager 7.1(3) and not in Cisco Unified Communications Manager 6.1(4)

commonphoneconfigxml, enterprisephoneconfigxml, featurecontrolpolicy, geolocation, geolocationfilter, geolocationpolicy, geolocationpolicymatrix, mobilesmartclientprofile, processnodeaudit, remotedestinationdynamic, resourceprioritydefaultnamespace, resourceprioritynamespace, resourceprioritynamespacelist, resourceprioritynamespacemap, secureconfig, todaccess, todaccesssetting, typeasn1roseoidencoding, typeconfiginputdatagrouping, typefeaturecontrol, typegclear, typegeolocationdevice, typeidsauditlevel, typeipaddressingmode, typeipaddressingmodeprefcontrol, typelogicalpartitionpolicy, typemobilesmartclient, typephoneservice, typephoneservicecategory, typephoneservicedisplay, typeqsigvariant, typesipassertedtype, typesipprivacy, typetimeschedulecategory

4.3.3 Tables that are different in Cisco Unified Communications Manager 7.1(3) and Cisco Unified Communications Manager 6.1(4)

Table Name	Fields Removed from Cisco Unified Communications Manager 7.1(3)	Fields Added to Cisco Unified Communications Manager 7.1(3)
appserver		administrationurl, enduserurl
billingserver		resendonfailure

commondeviceconfig		tkipaddressingmode, tkipaddressingmodeprefcontrol, tkstatus_allowipv6autoconfigforphones, usetrustedrelaypoint
commonphoneconfig		fkfeaturecontrolpolicy, sshpassword, sshuserid, tkphoneservicedisplay
credentialdynamic		lastsuccessfullogintime
device		fkcallingsearchspace_cdpntransform, fkcallingsearchspace_cgpnintl, fkcallingsearchspace_cgpnnational, fkcallingsearchspace_cgpnsubscriber, fkcallingsearchspace_cgpnunknown, fkfeaturecontrolpolicy, fkgeolocation, fkgeolocationfilter_lp, fkmobilesmartclientprofile, internationalprefix, internationalstripdigits, ispaienabled, isprotected, isrpidenabled, istrustedrelaypoint, nationalprefix, nationalstripdigits, sendgeolocation, srtpfallbackallowed , subscriberprefix, subscriberstripdigits, tkphoneservicedisplay, tksipassertedtype, tksipprivacy, tkstatus_usetrustedrelaypoint, unknownprefix, unknownstripdigits, usedevicepoolcdpntransformcss, usedevicepoolcgpntransformcss, usedevicepoolcgpntransformcssintl, usedevicepoolcgpntransformcssnatl, usedevicepoolcgpntransformcsssubs, usedevicepoolcgpntransformcssunkn
devicepool		fkcallingsearchspace_cdpntransform, fkcallingsearchspace_cgpnintl, fkcallingsearchspace_cgpnnational, fkcallingsearchspace_cgpnsubscriber, fkcallingsearchspace_cgpntransform, fkcallingsearchspace_cgpnunknown, fkgeolocation, fkgeolocationfilter_lp, fkroutegroup_local, internationalprefix, internationalstripdigits, nationalprefix, nationalstripdigits, subscriberprefix, subscriberstripdigits, unknownprefix, unknownstripdigits
digitalaccesspri		enableprotectedfacilityie, gclearenable, tkasn1roseoidencoding, tkqsigvariant
extensionmobilitydynamic		fkfeaturecontrolpolicy
h323device		allowh235passthrough, tkasn1roseoidencoding, tkqsigvariant
licenseinfo		isvalid
licenseserver		graceleftdays, gracestarttime
numplan		dnorpatternipv6, fkcallingsearchspace_pkmonfwdnoret, fkcallingsearchspace_pkmonfwdnoretint, fkresourceprioritynamespace, parkmonforwardnoretrievedn, parkmonforwardnoretrieveintdn, parkmonforwardnoretrieveintvmenabled, parkmonforwardnoretrievevmenabled, parkmonreversiontimer, tknumberingplan_called, tknumberingplan_calling, tkpriofnumber_called, tkpriofnumber_calling

numplandynamic		faxmessagecounts, faxmessagecountsnew, faxmessagecountsold, faxmessagecountsurgent, faxmessagecountsurgentnew, faxmessagecountsurgentold, voicemessagecounts, voicemessagecountsnew, voicemessagecountsold, voicemessagecountsurgent, voicemessagecountsurgentnew, voicemessagecountsurgentold
processnode		ipv6name
processnodeservice		tracedrive
remotedestination	enableciscounifiedmobileclient, enablesinglenumberreach, fkcallerfilterlist_allowed, fkcallerfilterlist_blocked	fkdevice_mobilesmartclient, fktodaccess, tktimezone
routelist		tknumberingplan_called, tknumberingplan_calling, tkpriofnumber_called, tkpriofnumber_calling
securityprofile		transmitsecuritystatus
sipdevice		destinationaddressipv6
sipprofile		earlyofferforgclearenable, enableanatforearlyoffercalls, fkresourceprioritynamespacelist, t38invite, tkgclear
telecasterservice		enabled, enterprisesubscription, priority, tkphoneservice, tkphoneservicecategory, vendor, version
timeperiod		dayofmonth_end, description, fkenduser, ispublished, tkmonthofyear_end
timeschedule		description, fkenduser, ispublished, tktimeschedulecategory
typeappserver		administrationurltemplate, enduserurltemplate
typeconfiginputdata		tkconfiginputdatagrouping
typeresource		description
typetimezone	displayindex	legacyname

4.4 Differences between Cisco Unified Communications Manager 7.1(3) and Cisco Unified Communications Manager 6.0(1)

4.4.1 Tables in Cisco Unified Communications Manager 6.0(1) and not in Cisco Unified Communications Manager 7.1(3)

4.4.2 Tables in Cisco Unified Communications Manager 7.1(3) and not in Cisco Unified Communications Manager 6.0(1)

commonphoneconfigxml, enterprisephoneconfigxml, featurecontrolpolicy, geolocation,

geolocationfilter, geolocationpolicy, geolocationpolicymatrix, grtreport, grtreportsourcemap, grtsource, intercomdynamic, mobilesmartclientprofile, processnodeaudit, remotedestinationdynamic, resourceprioritydefaultnamespace, resourceprioritynamespace, resourceprioritynamespacelist, resourceprioritynamespacemap, secureconfig, todaccess, todaccesssetting, typeasn1roseoidencoding, typebarge, typeblfsdoption, typeconfiginputdatagrouping, typefeaturecontrol, typegclear, typegeolocationdevice, typeidsauditlevel, typeipaddressingmode, typeipaddressingmodeprefcontrol, typelogicalpartitionpolicy, typemobilesmartclient, typephoneservice, typephoneservicecategory, typephoneservicedisplay, typeqsigvariant, typesipassertedtype, typesipprivacy, typesipreroute, typetimeschedulecategory

4.4.3 Tables that are different in Cisco Unified Communications Manager 7.1(3) and Cisco Unified Communications Manager 6.0(1)

Table Name	Fields Removed from Cisco Unified Communications Manager 7.1(3)	Fields Added to Cisco Unified Communications Manager 7.1(3)
appserver		administrationurl, enduserurl, fkprocessnode
billingserver		resendonfailure
blfspeeddial		blfsdoptionbitmask
commondeviceconfig		tkipaddressingmode, tkipaddressingmodeprefcontrol, tkstatus_allowipv6autoconfigforphones, usetrustedrelaypoint
commonphoneconfig		fkfeaturecontrolpolicy, sshpassword, sshuserid, tkphoneservicedisplay, tkstatus_alwaysuseprimeline, tkstatus_alwaysuseprimelineforvm
credentialdynamic		lastsuccessfullogintime
device		fkcallingsearchspace_cdpntransform, fkcallingsearchspace_cgpnintl, fkcallingsearchspace_cgpnnational, fkcallingsearchspace_cgpnsubscriber, fkcallingsearchspace_cgpnunknown, fkfeaturecontrolpolicy, fkgeolocation, fkgeolocationfilter_lp, fkmobilesmartclientprofile, internationalprefix, internationalstripdigits, isactive, ispaienabled, isprotected, isrpidenabled, istrustedrelaypoint, nationalprefix, nationalstripdigits, sendgeolocation, srtpfallbackallowed , subscriberprefix, subscriberstripdigits, tkbarge, tkphoneservicedisplay, tksipassertedtype, tksipprivacy, tkstatus_alwaysuseprimeline, tkstatus_alwaysuseprimelineforvm, tkstatus_audiblealertingbusy, tkstatus_audiblealertingidle, tkstatus_joinacrosslines, tkstatus_usetrustedrelaypoint, unknownprefix, unknownstripdigits, usedevicepoolcdpntransformcss, usedevicepoolcgpntransformcss, usedevicepoolcgpntransformcssintl, usedevicepoolcgpntransformcssnatl, usedevicepoolcgpntransformcsssubs, usedevicepoolcgpntransformcssunkn

devicenumplanmap		logmissedcalls
devicepool		fkcallingsearchspace_cdpntransform, fkcallingsearchspace_cgpnintl, fkcallingsearchspace_cgpnnational, fkcallingsearchspace_cgpnsubscriber, fkcallingsearchspace_cgpntransform, fkcallingsearchspace_cgpnunknown, fkgeolocation, fkgeolocationfilter_lp, fkroutegroup_local, internationalprefix, internationalstripdigits, nationalprefix, nationalstripdigits, subscriberprefix, subscriberstripdigits, tkbarge, tkstatus_joinacrosslines, unknownprefix, unknownstripdigits
digitalaccesspri		enableprotectedfacilityie, gclearenable, tkasn1roseoidencoding, tkqsigvariant
enduser		ocsprimaryuseraddress
extensionmobilitydynamic		fkfeaturecontrolpolicy, tkbarge, tkstatus_alwaysuseprimeline, tkstatus_alwaysuseprimelineforvm, tkstatus_joinacrosslines
h323device		allowh235passthrough, tkasn1roseoidencoding, tkqsigvariant
licensedistributionused		pendinglicenseunits
licenseinfo		isvalid, licenselineid, upgradefromwindows
licenseserver		graceleftdays, gracestarttime
numplan		dnorpatternipv6, fkcallingsearchspace_pkmonfwdnoret, fkcallingsearchspace_pkmonfwdnoretint, fkdevice_intercomdefault, fkresourceprioritynamespace, parkmonforwardnoretrievedn, parkmonforwardnoretrieveintdn, parkmonforwardnoretrieveintvmenabled, parkmonforwardnoretrievevmenabled, parkmonreversiontimer, tknumberingplan_called, tknumberingplan_calling, tkpriofnumber_called, tkpriofnumber_calling, tkstatus_partyentrancetone
numplandynamic		faxmessagecounts, faxmessagecountsnew, faxmessagecountsold, faxmessagecountsurgent, faxmessagecountsurgentnew, faxmessagecountsurgentold, voicemessagecounts, voicemessagecountsnew, voicemessagecountsold, voicemessagecountsurgent, voicemessagecountsurgentnew, voicemessagecountsurgentold
processnode		ipv6name
processnodeservice		tracedrive
remotedestination	enableciscounifiedmobileclient, enablesinglenumberreach, fkcallerfilterlist_allowed, fkcallerfilterlist_blocked	fkdevice_mobilesmartclient, fktodaccess, tktimezone
routelist		tknumberingplan_called, tknumberingplan_calling, tkpriofnumber_called, tkpriofnumber_calling

securityprofile		transmitsecuritystatus
sipdevice		destinationaddressipv6
sipprofile		earlyofferforgclearenable, enableanatforearlyoffercalls, fkresourceprioritynamespacelist, t38invite, tkgclear, tksipreroute
telecasterservice		enabled, enterprisesubscription, priority, tkphoneservice, tkphoneservicecategory, vendor, version
timeperiod		dayofmonth_end, description, fkenduser, ispublished, tkmonthofyear_end
timeschedule		description, fkenduser, ispublished, tktimeschedulecategory
typeappserver		administrationurltemplate, enduserurltemplate
typeconfiginputdata		tkconfiginputdatagrouping
typeresource		description
typetimezone	displayindex	legacyname

4.5 Differences between Cisco Unified Communications Manager 7.1(3) and Cisco Unified Communications Manager 5.1(3)

4.5.1 Tables in Cisco Unified Communications Manager 5.1(3) and not in Cisco Unified Communications Manager 7.1(3)

busylampfield, commonprofile, deviceversionstamp, typezzkpml

4.5.2 Tables in Cisco Unified Communications Manager 7.1(3) and not in Cisco Unified Communications Manager 5.1(3)

applicationusercapfmapdynamic, blfdirectedcallpark, blfspeeddial, callerfilterlist, callerfilterlistmember, callforwardalloverride, callforwarddynamic, commondeviceconfig, commonphoneconfig, commonphoneconfigxml, credential, credentialdynamic, credentialhistory, credentialpolicy, credentialpolicydefault, devicehlogdynamic, devicemobilitydynamic, devicemobilitygroup, devicemobilityinfo, devicenumplanmapendusermap, devicenumplanmapremdestmap, devicepooldevicemobilityinfomap, deviceprivacydynamic, dnddynamic, endusercapfmapdynamic, enterprisephoneconfigxml, extensionmobilitydynamic, featurecontrolpolicy, geolocation, geolocationfilter, geolocationpolicy, geolocationpolicymatrix, intercomdynamic, ivruserlocale, mobilesmartclientprofile, numplandcpsyn, physicallocation, processnodeaudit, recordingdynamic, recordingprofile, remotedestination, remotedestinationdynamic, resourceprioritydefaultnamespace, resourceprioritynamespace, resourceprioritynamespacelist, resourceprioritynamespacemap,

secureconfig, softkeytemplatedefault, todaccess, todaccesssetting, typeasn1roseoidencoding, typeblfsdoption, typecallerfiltermask, typecfacssactivationpolicy, typeconfiginputdata, typeconfiginputdatagrouping, typecredential, typecredentialuser, typedndoption, typefeaturecontrol, typegclear, typegeolocationdevice, typeidsauditlevel, typeipaddressingmode, typeipaddressingmodeprefcontrol, typelogicalpartitionpolicy, typelossynetwork, typemobilesmartclient, typenodeusage, typeoutboundcallrollover, typepartitionusage, typephonepersonalization, typephoneservice, typephoneservicecategory, typephoneservicedisplay, typepickupnotification, typeqsigvariant, typerecordingflag, typerevertpriority, typesipassertedtype, typesipprivacy, typesipreroute, typetimeschedulecategory

4.5.3 Tables that are different in Cisco Unified Communications Manager 7.1(3) and Cisco Unified Communications Manager 5.1(3)

Table Name	Fields Removed from Cisco Unified Communications Manager 7.1(3)	Fields Added to Cisco Unified Communications Manager 7.1(3)
applicationuser	password	
applicationusercapfmap	fkprocessnode, UserState	
appserver		administrationurl, enduserurl, fkprocessnode
appserverapplicationusermap		content
billingserver		resendonfailure
callingsearchspace		tkpartitionusage
device	fkcommonprofile, fkenduser_lastlogin, ikdevice_currentloginprofile, loginduration, logintime, tkstatus_callinfoprivate	dndtimeout, fkcallingsearchspace_cdpntransform, fkcallingsearchspace_cgpnintl, fkcallingsearchspace_cgpnnational, fkcallingsearchspace_cgpnsubscriber, fkcallingsearchspace_cgpntransform, fkcallingsearchspace_cgpnunknown, fkcommondeviceconfig, fkcommonphoneconfig, fkenduser_mobility, fkfeaturecontrolpolicy, fkgeolocation, fkgeolocationfilter_lp, fkmobilesmartclientprofile, huntlistforvm, ikdevice_primaryphone, internationalprefix, internationalstripdigits, isdualmode, ispaienabled, isprotected, isrpidenabled, istrustedrelaypoint, nationalprefix, nationalstripdigits, remotedevice, sendgeolocation, srtpfallbackallowed , subscriberprefix, subscriberstripdigits, tkdndoption, tkoutboundcallrollover, tkphonepersonalization, tkphoneservicedisplay, tkringsetting_dnd, tksipassertedtype, tksipprivacy, tkstatus_alwaysuseprimeline, tkstatus_alwaysuseprimelineforvm, tkstatus_audiblealertingbusy,

		tkstatus_audiblealertingidle, tkstatus_devicemobilitymode, tkstatus_usetrustedrelaypoint, unknownprefix, unknownstripdigits, usedevicepoolcdpntransformcss, usedevicepoolcgpntransformcss, usedevicepoolcgpntransformcssintl, usedevicepoolcgpntransformcssnatl, usedevicepoolcgpntransformcsssubs, usedevicepoolcgpntransformcssunkn
devicenumplanmap		fkcallingsearchspace_monitoring, fkrecordingprofile, logmissedcalls, speeddial, tkpartitionusage, tkringsetting_activepickupalert, tkringsetting_idlepickupalert, tkstatus_audiblemwi
devicepool	fkmlppdomain, fksoftkeytemplate, holdpartynetworkholdmohaudiosourceid, holdpartyuserholdmohaudiosourceid, tkpreemption, tkstatus_mlppindicationstatus, tkuserlocale	fkaarneighborhood, fkcallingsearchspace_aar, fkcallingsearchspace_cdpntransform, fkcallingsearchspace_cgpnintl, fkcallingsearchspace_cgpnnational, fkcallingsearchspace_cgpnsubscriber, fkcallingsearchspace_cgpntransform, fkcallingsearchspace_cgpnunknown, fkcallingsearchspace_mobility, fkdevicemobilitygroup, fkgeolocation, fkgeolocationfilter_lp, fklocation, fkphysicallocation, fkroutegroup_local, internationalprefix, internationalstripdigits, nationalprefix, nationalstripdigits, subscriberprefix, subscriberstripdigits, tkrevertpriority, unknownprefix, unknownstripdigits
digitalaccesspri		enableprotectedfacilityie, gclearenable, tkasn1roseoidencoding, tkqsigvariant
enduser	password, pin	enablemobilevoice, enablemobility, maxdeskpickupwaittime, ocsprimaryuseraddress, remotedestinationlimit
endusercapfmap	fkprocessnode, UserState	
h323device		allowh235passthrough, ictpassingprecedencelevelthroughuuie, ictsecurityaccesslevel, tkasn1roseoidencoding, tkqsigvariant
ipmauser		alerttone, pool
licenseinfo		isdemo, isvalid, licenselineid, upgradefromwindows
licenseserver		graceleftdays, gracestarttime

numplan	cfadestination, cfavoicemailenabled, fkcallingsearchspace_cfa, fkcallingsearchspace_scfa	aardestinationmask, aarkeepcallhistory, aarvoicemailenabled, cfhrdn, cfhrduration, cfhrintdn, cfhrintvmenabled, cfhrvmenabled, cfurdestination, cfurintdestination, cfurintvoicemailenabled, cfurvoicemailenabled, dnorpatternipv6, fkcallingsearchspace_cfhr, fkcallingsearchspace_cfhrint, fkcallingsearchspace_cfur, fkcallingsearchspace_cfurint, fkcallingsearchspace_pkmonfwdnoret, fkcallingsearchspace_pkmonfwdnoretint, fkcallingsearchspace_revert, fkdevice_intercomdefault, fkresourceprioritynamespace, hrduration, hrinterval, iknumplan_parkcode, parkmonforwardnoretrievedn, parkmonforwardnoretrieveintdn, parkmonforwardnoretrieveintvmenabled, parkmonforwardnoretrievevmenabled, parkmonreversiontimer, revertdestination, tkcfacssactivationpolicy, tkdevicesecuritymode_minimumallowed, tknumberingplan_called, tknumberingplan_calling, tkpriofnumber_called, tkpriofnumber_calling, tkstatus_partyentrancetone
numplandynamic		datetimestamp, faxmessagecounts, faxmessagecountsnew, faxmessagecountsold, faxmessagecountsurgent, faxmessagecountsurgentnew, faxmessagecountsurgentold, voicemessagecounts, voicemessagecountsnew, voicemessagecountsold, voicemessagecountsurgent, voicemessagecountsurgentnew, voicemessagecountsurgentold
pickupgroup		calledinfoenabled, callinginfoenabled, pickupnotificationtimer, tkpickupnotification
processnode		ipv6name, tknodeusage
processnodeservice		tracedrive
regionmatrix		tklossynetwork
routelist		tknumberingplan_called, tknumberingplan_calling, tkpriofnumber_called, tkpriofnumber_calling
routepartition		tkpartitionusage
securityprofile		transmitsecuritystatus
sipdevice		destinationaddressipv6
sipprofile	tkzzkpml	earlyofferforgclearenable, enableanatforearlyoffercalls, fkresourceprioritynamespacelist, t38invite, tkgclear, tksipreroute

telecasterservice		enabled, enterprisesubscription, priority, tkphoneservice, tkphoneservicecategory, vendor, version
timeperiod		dayofmonth_end, description, fkenduser, ispublished, tkmonthofyear_end
timeschedule		description, fkenduser, ispublished, tktimeschedulecategory
treecontrolgroupnodes		productmask
typeappserver		administrationurltemplate, enduserurltemplate
typeautoanswer		isintercomcompatible
typebatfunctionfieldinfomap		tkconfiginputdata
typefeature		allowmultiple, isemcompatible, tksoftkey
typelicenseunit		adjunctunits
typeresource		description
typeservice		dbuser, processname, productmask
typetimezone		legacyname