OL-9448-01

Cisco Unified CallManager Database Dictionary 5.0(2)

This document describes the data stored in the primary Cisco Unified CallManager database for Release 5.0(2).

It is automatically generated from the actual development data dictionary used to create the SQL scripts for installing the Cisco Unified CallManager 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.

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.

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

Some fields do not allow modification. These fields are populated by triggers in response to changes in other records, or they are set at install time.

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 32?

long
: This is a long integer.

string
: This is a variable length string. The maximum length will be specified.

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.

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:	^[]0-9*#X[^+?.@!-]{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 Unified 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 [50]
	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()
	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 is not allowed
Remarks:	Attendant DN Invalid

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 Unified 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. Cisco Unified 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 [32000] (Null OK)
Default Value:	NULL
Remarks:	Product specific configuration XML not used by Cisco Unified CallManager.
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)

2.3.9 applicationuser (TI-230)

Description:	Special Application users of the Cisco Unified CallManager 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 (Null OK)

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 [0] (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 password (FI-1660)

Type:	string [128]
Default Value:	f3f84fcd7934cd48ef4fef0d9057c21d000ffe229fbd0a247ee491927aa30f02

2.3.9.10 passwordreverse (FI-2388)

Type:	string [128] (Null OK)
Default Value:	69c4f936f9cdf45f6bbca2570c31215629bb5d6fb97493478b8ff3db6fffbc55
Remarks:	Used for digest authentication

2.3.9.11 pkid (FI-1658)

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

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 fkprocessnode (FI-2878)

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

2.3.10.4 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.

2.3.10.5 packetcaptureduration (FI-2621)

Type:	long (Null OK)
Default Value:	0

2.3.10.6 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

2.3.10.7 subjectname (FI-2879)

Type:	string [128]

Default Value:	EMPTY
Remarks:	Subject name of the certificate

2.3.10.8 tkauthenticationmode (FI-2625)

Type:	enum
Default Value:	2

2.3.10.9 tkcertificate (FI-2627)

Type:	enum
Default Value:	0

2.3.10.10 tkcertificateoperation (FI-2628)

Type:	enum
Default Value:	1
Remarks:	Certificate Operation

2.3.10.11 tkcertificatestatus (FI-2623)

Type:	enum
Default Value:	1

2.3.10.12 tkkeysize (FI-2626)

Type:	enum
Default Value:	2

2.3.10.13 tkpacketcapturemode (FI-2620)

Type:	enum
Default Value:	0

2.3.10.14 upgradefinishtime (FI-2624)

Type:	string [50]
Default Value:	EMPTY

2.3.10.15 userstate (FI-3016)

Type:	long
Default Value:	0

Uniqueness:	fkapplicationuser + instanceid is unique. (MFI-82)

2.3.11 applicationuserdevicemap (TI-297)

Description:	Maps controllability between App Users & Devices.

Fields:	**2.3.11.1 description (FI-2076)**
	Type: string [128]
	Default Value: EMPTY
	Validation: ^[^"""]{0,50}$
	2.3.11.2 fkapplicationuser (FI-2078)
	Type: guid (Cascade Delete)
	2.3.11.3 fkdevice (FI-2077)
	Type: guid (Cascade Delete)
	2.3.11.4 pkid (FI-2079)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.11.5 tkuserassociation (FI-2390)
	Type: enum
Uniqueness:	fkdevice + fkapplicationuser + tkuserassociation is unique. (MFI-76)

2.3.12 applicationuserdirgroupmap (TI-238)

Description:	Similar to UserGroupMap to group ApplicationUser into a DirGroup
Fields:	**2.3.12.1 fkapplicationuser (FI-1685)**
	Type: guid (Cascade Delete)
	2.3.12.2 fkdirgroup (FI-1686)
	Type: guid (Cascade Delete)
	2.3.12.3 isstandard (FI-2052)
	Type: bool (Not Modifiable)
	Default Value: FALSE
	Remarks: If standard set true during installation. Standard groups are only modifiable by installations.
	2.3.12.4 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)

2.3.13 applicationusernumplanmap (TI-355)

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

Fields:	**2.3.13.1 fkapplicationuser (FI-2645)**
	Type: guid (Cascade Delete)
	2.3.13.2 fknumplan (FI-2646)
	Type: guid (Cascade Delete)
	2.3.13.3 pkid (FI-2644)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.13.4 tkdnusage (FI-2647)
	Type: enum
Uniqueness:	No multicolumn uniqueness constraints

2.3.14 appserver (TI-372)

Description:	Denotes the various Application servers with which Cisco Unified CallManager communicates.
Fields:	**2.3.14.1 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.
	2.3.14.2 name (FI-2756)
	Type: string [50]
	2.3.14.3 pkid (FI-2755)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	2.3.14.4 tkappserver (FI-2757)
	Type: enum
Uniqueness:	No multicolumn uniqueness constraints

2.3.15 appserverapplicationusermap (TI-407)

Description:	This table will hold the relationship on the Cisco Unified CallManager side between an application server and the application user used to log into that application server.

Fields:		
	2.3.15.1 fkapplicationuser (FI-3029)	
	Type:	guid (Cascade Delete)
	2.3.15.2 fkappserver (FI-3028)	
	Type:	guid (Unique, Cascade Delete)
	2.3.15.3 pkid (FI-3027)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.16 appserverinfo (TI-373)

Description:	Contains info pertaining to App servers	
Fields:	**2.3.16.1 content (FI-2761)**	
	Type:	text (Null OK)
	Default Value:	NULL
	2.3.16.2 fkappserver (FI-2763)	
	Type:	guid (Cascade Delete)
	2.3.16.3 pkid (FI-2760)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	2.3.16.4 tkappservercontent (FI-2762)	
	Type:	enum
Uniqueness:	No multicolumn uniqueness constraints	

2.3.17 availdialplan (TI-405)

Description:	Available DialPlan table Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.17.1 availableversion (FI-3012)**	
	Type:	string [15] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	Version number of the Dial Plan installer
	2.3.17.2 description (FI-3011)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	Description of the Dial Plan (e.g., North American Numbering Plan)
	2.3.17.3 dialplan (FI-3010)	
	Type:	string [50] (Not Modifiable)

	Default Value:	EMPTY
	Remarks:	Name of the Dial Plan (e.g., NANP)
	2.3.17.4 pkid (FI-3009)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.17.5 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)	

2.3.18 batfileinfo (TI-344)

Description:	Information of BAT Files	
Fields:	**2.3.18.1 datecreated (FI-2552)**	
	Type:	long
	Remarks:	Date when the file is uploaded
	2.3.18.2 enduser (FI-2553)	
	Type:	string [50]
	Default Value:	EMPTY
	Remarks:	User who created this job
	2.3.18.3 isfilefound (FI-2605)	
	Type:	bool
	Default Value:	TRUE
	Remarks:	Date when the file is uploaded
	2.3.18.4 name (FI-2547)	
	Type:	string [100]
	Validation:	^[a-zA-Z0-9._-]{1,100}$
	Remarks:	BAT File Name
	2.3.18.5 pkid (FI-2546)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	2.3.18.6 tkbatfunction (FI-2549)	
	Type:	enum
	Remarks:	File Transaction
Uniqueness:	No multicolumn uniqueness constraints	

2.3.19 batfileinfojobmap (TI-347)

Description:	Mapping of Fileinfo and job
Fields:	**2.3.19.1 fkbatfileinfo (FI-2571)**
	Type: guid (Cascade Delete)
	2.3.19.2 fkbatjob (FI-2572)
	Type: guid (Cascade Delete)
	2.3.19.3 pkid (FI-2570)
	Type: guid (Not Modifiable)
	Default Value: newid()
Uniqueness:	No multicolumn uniqueness constraints

2.3.20 batinputdata (TI-345)

Description:	Input data other than csv files
Fields:	**2.3.20.1 data (FI-2557)**
	Type: string [32000]
	Default Value: EMPTY
	Remarks: Input Data for BAT Jobs
	2.3.20.2 name (FI-2556)
	Type: string [50]
	2.3.20.3 pkid (FI-2555)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	2.3.20.4 tkbatfunction (FI-2607)
	Type: enum
	Remarks: Type of Input Data
	2.3.20.5 tkbatusage (FI-2558)
	Type: enum
	Remarks: Type of Input Data
Uniqueness:	No multicolumn uniqueness constraints

2.3.21 batinputdatajobmap (TI-348)

Description:	Mapping pf BATInputData and Job

Fields:		
	2.3.21.1 fkbatinputdata (FI-2574)	
	Type:	guid
	2.3.21.2 fkbatjob (FI-2575)	
	Type:	guid (Cascade Delete)
	2.3.21.3 pkid (FI-2573)	
	Type:	guid (Not Modifiable)
	Default Value:	newid()
Uniqueness:	No multicolumn uniqueness constraints	

2.3.22 batjob (TI-341)

Description:	Job submitted via BAT

Fields:		
	2.3.22.1 description (FI-2538)	
	Type:	string [100]
	Default Value:	EMPTY
	Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,100}$
	Remarks:	Description of the Job
	2.3.22.2 enduser (FI-2649)	
	Type:	string [50]
	Default Value:	EMPTY
	Remarks:	User who created this job
	2.3.22.3 fkdevice (FI-2535)	
	Type:	guid (Cascade Delete, Null OK)
	Remarks:	Template Information is provided from this device
	2.3.22.4 fkenduser (FI-2663)	
	Type:	guid (Cascade Delete, Null OK)
	Remarks:	Template Information is provided for this User
	2.3.22.5 fkmgcp (FI-2536)	
	Type:	guid (Cascade Delete, Null OK)
	Remarks:	Template Information is provided from this MGCP
	2.3.22.6 fknumplan (FI-2537)	
	Type:	guid (Cascade Delete, Null OK)
	Remarks:	Template Information is provided from this DNorPattern
	2.3.22.7 frequencyjobend (FI-2533)	
	Type:	long (Null OK)
	Remarks:	Denotes when a recurring job ends
	2.3.22.8 jobid (FI-2847)	
	Type:	long (Unique, Indexed)

Remarks:	unique ID to track Jobs.
2.3.22.9 pkid (FI-2527)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
2.3.22.10 scheduleddatetime (FI-2531)	
Type:	long
Remarks:	Denotes the job schedule time.
2.3.22.11 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.
2.3.22.12 submitdatetime (FI-2532)	
Type:	long
Remarks:	Denotes when the job is submitted
2.3.22.13 tkbatfrequency (FI-2534)	
Type:	enum
2.3.22.14 tkbatfunction (FI-2528)	
Type:	enum
2.3.22.15 tkbatjobstatus (FI-2606)	
Type:	enum
Remarks:	Holds the Status of the Job
Uniqueness:	No multicolumn uniqueness constraints

2.3.23 batjobresults (TI-346)

Description:	Results of BAT Jobs

Fields:

2.3.23.1 fkbatjob (FI-2561)	
Type:	guid (Cascade Delete)
Remarks:	Job for which the results are displayed
2.3.23.2 isfilefound (FI-2608)	
Type:	bool
Default Value:	TRUE
Remarks:	Status of the Job
2.3.23.3 launchdatetime (FI-2567)	
Type:	long
Default Value:	0
Remarks:	Data time when job is started
2.3.23.4 logfilename (FI-2562)	
Type:	string [50]

Default Value:	EMPTY
Remarks:	Name of the log file

2.3.23.5 numrecordsfailed (FI-2565)

Type:	long
Default Value:	0
Remarks:	Number of Records Failed

2.3.23.6 numrecordsprocessed (FI-2664)

Type:	long
Default Value:	0
Remarks:	Total Number of Records processed

2.3.23.7 numrecordstotal (FI-2566)

Type:	long
Default Value:	0
Remarks:	Total Number of Records processed

2.3.23.8 pkid (FI-2560)

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

2.3.23.9 tkbatresultstatus (FI-2568)

Type:	enum
Remarks:	Status of the Job

Uniqueness:	No multicolumn uniqueness constraints

2.3.24 billingserver (TI-386)

Description:	Off cluster billing server

Fields:

2.3.24.1 directory (FI-2868)

Type:	string [255]
Default Value:	EMPTY

2.3.24.2 hostname (FI-2865)

Type:	string [255]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$
Remarks:	FQDN or IP

2.3.24.3 password (FI-2867)

Type:	string [128]
Default Value:	EMPTY

2.3.24.4 pkid (FI-2863)

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

2.3.24.5 preserve (FI-2998)	
Type:	bool
Default Value:	FALSE
2.3.24.6 selorder (FI-2864)	
Type:	long
Default Value:	1
Check Constraint:	((selorder >= 1) AND (selorder <=3))
Remarks:	order of server
2.3.24.7 tkbillingserverprotocol (FI-2869)	
Type:	enum
Default Value:	0
Remarks:	conf Bridge location
2.3.24.8 userid (FI-2866)	
Type:	string [20]
Default Value:	EMPTY

Uniqueness:	No multicolumn uniqueness constraints

2.3.25 busylampfield (TI-350)

Description:	Keeps line status of internal DNs

Fields:

2.3.25.1 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.

2.3.25.2 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).
2.3.25.3 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-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.

2.3.25.4 fknumplan (FI-2855)

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

2.3.25.5 label (FI-2592)

Type:	string [30]
Default Value:	EMPTY
Validation:	^[^"""%&<>]{0,30}$
Migration Source:	NULL
Remarks:	The text that will appear for the BLF button.

2.3.25.6 labelascii (FI-2597)

Type:	string [30]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{0,50}$
Migration Source:	BLF.label if all chars are less than 127
Remarks:	This is same as label if all characters are ASCII.

2.3.25.7 pkid (FI-2594)

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

Migration Source:	Generated
Remarks:	Unique ID to identify a record.
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
Uniqueness:	blfindex + fkdevice is unique. (MFI-93)

2.3.26 callingsearchspace (TI-73)

Description: For Dial Plan - devices call to a calling search space made up of route partitions.

Fields:

2.3.26.1 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

2.3.26.2 description (FI-133)

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

2.3.26.3 dialplanwizardgenid (FI-676)

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

2.3.26.4 name (FI-132)

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

2.3.26.5 pkid (FI-131)

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

2.3.26.6 resettoggle (FI-3124)

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

2.3.26.7 tkreset (FI-3125)

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

Uniqueness: No multicolumn uniqueness constraints

2.3.27 callingsearchspacemember (TI-74)

Description: Lists the RoutePartitions in a Calling Search Space.

Fields:

2.3.27.1 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.
Test Condition:	?
Error Message:	?
Remedy:	?

2.3.27.2 fkroutepartition (FI-136)

Type:	guid (Cascade Delete)

2.3.27.3 pkid (FI-134)

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

2.3.27.4 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

2.3.28 callmanager (TI-5)

Description: Lists every Cisco Unified CallManager in the system.

Fields:

2.3.28.1 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: ?

2.3.28.2 autoregistrationnextdn (FI-538)

Type:	long
Default Value:	1000
Migration Source:	convert from PhoneNumRage.LastUsed
Remarks:	This field is incremented by Cisco Unified 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 Cisco Unified CallManager.
	Remedy:	Use the next available DN between the Starting and Ending DN for this Cisco Unified 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:	?

2.3.28.3 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:	Cisco Unified 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:	?

2.3.28.4 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 Cisco Unified CallManager to identify itself to other Cisco Unified CallManager 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

2.3.28.5 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 Unified CallManager.

2.3.28.6 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.

2.3.28.7 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 Unified CallManager uses this TCP port to communicate with the Cisco Unified 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: Cisco Unified CallManager TCP/IP Port Uniqueness Description: The TCP/IP Ports used by a Cisco Unified 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

2.3.28.8 fkprocessnode (FI-420)

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

2.3.28.9 fkroutepartition_autoregistration (FI-590)

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

2.3.28.10 mgcpkeepaliveport (FI-635)

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

2.3.28.11 mgcplistenport (FI-634)

Type:	long
Default Value:	2427
Check Constraint:	(MGCPListenPort >= 1024) AND (MGCPListenPort <= 49151)
Remarks:	Cisco Unified 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: Cisco Unified CallManager TCP/IP Port Uniqueness Description: The TCP/IP Ports used by a Cisco Unified 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

2.3.28.12 name (FI-164)

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

2.3.28.13 pkid (FI-163)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	When inserted, must insert corresponding records in Defaults and AutoRegistration tables
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

2.3.28.14 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

2.3.28.15 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 Unified CallManager uses this port to communicate with the Cisco Unified 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.

2.3.28.16 sipsecuredport (FI-2392)

Type:	long
Default Value:	5061
Check Constraint:	(SIPSecuredPort >= 1024) AND (SIPSecuredPort <= 49151)
Remarks:	Cisco Unified CallManager uses this port for secured communication with the Cisco Unified 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.

2.3.28.17 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 Cisco Unified CallManagers per Cluster
		Description:	A Cisco Unified CallManager cluster may have no more than 255 Cisco Unified CallManagers defined.
		Test Condition:	IF ((SELECT COUNT(*) FROM CallManager) > 255) THEN throw exception
		Error Message:	A Cisco Unified CallManager cluster may have no more than 255 Cisco Unified CallManagers defined.

2.3.29 callmanagergroup (TI-6)

Description: Used for redundancy and rehoming of devices

Fields:

2.3.29.1 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 Cisco Unified CallManager group.

2.3.29.2 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 Cisco Unified CallManager Group TFTP Default
Description:	Only one Cisco Unified CallManagerGroup can be the default for TFTP; when a Cisco Unified CallManagerGroup is made the default, the existing default must be updated to set Cisco Unified CallManagerGroup.TFTPDefault to 0
Test Condition:	Set CallManagerGroup.TFTPDefault = 1 on Insert or change setting from 0 to 1 on Update

2.3.29.3 resettoggle (FI-3126)

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

2.3.29.4 tftpdefault (FI-283)

Type:	bool (Not Modifiable)
Default Value:	0
Migration Source:	DefaultGroup
Remarks:	Whether this Cisco Unified CallManager group is the default Cisco Unified CallManager group when auto-registration is enabled. Note : Each Cisco Unified CallManager cluster can have only one default auto-registration group.

Rule (RI-9):

Type:	Validation (Insert)
Rule Name:	Set Cisco Unified 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 Cisco Unified 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 Cisco Unified CallManager Group the TFTP Default before deleting this Cisco Unified CallManager Group.

Rule (RI-11):

Type:	Validation (Update)
Rule Name:	Cisco Unified 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 Cisco Unified CallManager Group is made the TFTP Default.
Test Condition:	Change CallManagerGroup.TFTPDefault from 1 to 0
Error Message:	A Default Cisco Unified CallManager Group for TFTP is required. You cannot remove the TFTP Default setting of this Cisco Unified CallManager Group.
Remedy:	Make another Cisco Unified CallManager Group the TFTP Default. The TFTP Default setting for this Cisco Unified CallManager Group will automatically be set to false.

2.3.29.5 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 Cisco Unified 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 Cisco Unified CallManager Group TFTP Default
	Description:	There must be a CallManagerGroup TFTP Default in the system at all times. The current default Cisco Unified CallManager Group cannot be deleted
	Test Condition:	Delete record where CallManagerGroup.TFTPDefault = 1
	Error Message:	Cannot delete the TFTP Default Cisco Unified CallManager Group.
	Remedy:	Make another Cisco Unified CallManager Group the TFTP Default before deleting this Cisco Unified CallManager Group.
Rule (RI-12):	Type:	Validation (Insert/Update) Rule applied when record is inserted.
	Rule Name:	Cisco Unified CallManager Group limited to 3 Cisco Unified CallManagers
	Description:	The can be no more than three (3) Cisco Unified CallManagers in a Cisco Unified CallManager Group
	Test Condition:	SELECT Count(*) FROM CallManagerGroupMember WHERE fkCallManagerGroup = @CallManagerGroup.pkid > 3
	Error Message:	A Cisco Unified CallManager Group may not contain more than 3 Cisco Unified CallManagers

2.3.30 callmanagergroupmember (TI-7)

Description: Ordered membership of Cisco Unified CallManagers in CallManagerGroups

Fields:

2.3.30.1 fkcallmanager (FI-173)

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

2.3.30.2 fkcallmanagergroup (FI-172)

Type:	guid (Indexed, Cascade Delete)
Migration Source:	convert from CallManagerGroupList.CallManagerGroupID

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

2.3.30.3 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

2.3.30.4 priority (FI-174)

Type:	long
Check Constraint:	Priority >= 0
Migration Source:	CallManagerGroupList.Priority
Remarks:	Cisco Unified CallManager Groups are made up of an ordered list of from one to three Cisco Unified 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 requirement that the priorities be sequential within a Cisco Unified CallManager Group.

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

2.3.31 cdrmconfig (TI-385)

Description:	Similar to process config for CDR
Fields:	**2.3.31.1 cdrcmrfiledeletiondisabled (FI-2886)** Type: bool Default Value: FALSE **2.3.31.2 cdrrepmgrhostaddress (FI-3000)** Type: string [255] Default Value: EMPTY Remarks: CDR Repository Manager host IP address string in textual presentation **2.3.31.3 cdrrepmgrhostname (FI-2999)** Type: string [255]

Default Value:	EMPTY
Remarks:	CDR Repository Manager host name

2.3.31.4 diskallocation (FI-2860)

Type:	long
Default Value:	1
Check Constraint:	((diskallocation >= 1) AND (diskallocation <= 36))
Remarks:	in Gigabytes

2.3.31.5 highwatermark (FI-2861)

Type:	long
Default Value:	80
Check Constraint:	((highwatermark >= 70) AND (highwatermark <= 90))
Remarks:	percentage

2.3.31.6 lowwatermark (FI-2862)

Type:	long
Default Value:	40
Check Constraint:	((lowwatermark >= 30) AND (lowwatermark <=50))
Remarks:	percentage

2.3.31.7 pkid (FI-2856)

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

2.3.31.8 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

2.3.32 cmcinfo (TI-304)

Description:	Contains the authorization information for Client Meta Code

Fields:

2.3.32.1 code (FI-2127)

Type:	string [16] (Unique, Indexed)
Validation:	^[0-9]{0,16}$
Remarks:	All Digits

2.3.32.2 description (FI-2126)

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

2.3.32.3 pkid (FI-2128)

	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
Uniqueness:	No multicolumn uniqueness constraints	

2.3.33 commonprofile (TI-384)

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

Fields:

2.3.33.1 description (FI-2984)

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

2.3.33.2 isstandard (FI-2986)

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

2.3.33.3 name (FI-2985)

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

2.3.33.4 pkid (FI-2852)

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

Rule (RI-274):

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

2.3.33.5 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:	commonprofile versionstamp
Description:	on change to anything in commonprofile table, update device versionstamp
Test Condition:	update device

2.3.33.6 zzbackgroundimageaccess (FI-2806)

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

2.3.33.7 zzdefaultbackground (FI-2814)	
Type:	string [128]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$
Remarks:	default Background URI
2.3.33.8 zzunlockpassword (FI-2821)	
Type:	string [15]
Default Value:	EMPTY
Remarks:	unlock password
Uniqueness:	No multicolumn uniqueness constraints

2.3.34 componentversion (TI-368)

Description:	RPM versions of components
Fields:	**2.3.34.1 fkprocessnode (FI-2716)**
Type:	guid (Indexed, Cascade Delete)
2.3.34.2 installationcomponent (FI-2717)	
Type:	string [100]
2.3.34.3 pkid (FI-2715)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
2.3.34.4 softwarecomponent (FI-2718)	
Type:	string [100]
2.3.34.5 version (FI-2719)	
Type:	string [100]
Uniqueness:	No multicolumn uniqueness constraints

2.3.35 crsapplication (TI-248)

Description:	Application specific data for CRS
Fields:	**2.3.35.1 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

2.3.35.2 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

2.3.35.3 fkenduser (FI-1688)

Type:	guid (Cascade Delete)

2.3.35.4 fnamealtpronun (FI-2896)

Type:	string [1024]
Default Value:	EMPTY
Remarks:	First Name Alternate Pronunciations delimited by a seperator

2.3.35.5 lnamealtpronun (FI-2897)

Type:	string [1024]
Default Value:	EMPTY
Remarks:	Last Name Alternate Pronunciations delimited by a seperator

2.3.35.6 pkid (FI-1687)

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

Uniqueness:	No multicolumn uniqueness constraints

2.3.36 crsuserclusterspecific (TI-410)

Description:	Stores user information for the CRS Application

Fields:		
	2.3.36.1 administratorlevel (FI-2898)	
	Type:	long
	Default Value:	0
	Remarks:	Whether an Administrator
	2.3.36.2 clustername (FI-3047)	
	Type:	string [60]
	2.3.36.3 fkenduser (FI-3046)	
	Type:	guid (Cascade Delete)
	2.3.36.4 issupervisor (FI-2899)	
	Type:	bool
	Default Value:	FALSE
	Remarks:	Whether a Supervisor
	2.3.36.5 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)	

2.3.37 datetimesetting (TI-10)

Description:	Common/shared date time zone and format settings
Fields:	**2.3.37.1 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 a Cisco Unified 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.
	2.3.37.2 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.
	2.3.37.3 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

2.3.37.4 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

2.3.37.5 tkreset (FI-3071)

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

2.3.37.6 tktimezone (FI-155)

Type:	enum
Default Value:	21
Migration Source:	DateTimeGroup.TimeZone
Remarks:	Time zone for the Cisco Unified CallManager group. The option "local time zone of Cisco Unified CallManager" copies the time zone information from the operating system of the server where Cisco Unified CallManager is installed.

Uniqueness: No multicolumn uniqueness constraints

2.3.38 defaults (TI-11)

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

Fields:

2.3.38.1 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

2.3.38.2 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 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

2.3.38.3 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

2.3.38.4 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

2.3.38.5 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

2.3.38.6 tkdeviceprotocol (FI-2359)

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

2.3.38.7 tkmodel (FI-238)

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

2.3.38.8 tkreset (FI-3091)

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

2.3.38.9 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)

2.3.39 device (TI-1)

Description:	Lists every device in system from the Cisco Unified CallManager perspective

Fields:

2.3.39.1 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

2.3.39.2 allowhotelingflag (FI-831)

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

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
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

2.3.39.3 authenticationstring (FI-1912)

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

2.3.39.4 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

2.3.39.5 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

2.3.39.6 defaultdtmfcapability (FI-592)

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

2.3.39.7 description (FI-3)

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

2.3.39.8 deviceleveltraceflag (FI-824)

Type:	bool
Default Value:	FALSE

2.3.39.9 dialplanwizardgenid (FI-677)

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

2.3.39.10 fkaarneighborhood (FI-1120)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Only used by Gateway, not 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
	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.

2.3.39.11 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.

2.3.39.12 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
	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.

2.3.39.13 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

2.3.39.14 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

2.3.39.15 fkcallingsearchspace_restrict (FI-2714)

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

2.3.39.16 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 is not allowed Remarks: Cisco Unified CallManager assigned instead of Device Pool
Rule (RFI-7):	Type: Inter-field Condition and Constraint Test Condition: tkClass != 7 AND tkModel != 133 Constraint: fkCallManagerGroup IS NULL Null Allowed: Null is required Remarks: Cisco Unified CallManager cannot be assigned

2.3.39.17 fkcommonprofile (FI-2945)

Type:	guid (Cascade Delete)
Default Value:	ac243d17-98b4-4118-8feb-5ff2e1b781ac

2.3.39.18 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 Cisco Unified CallManager must be assigned to a specific Device Pool, except for Route Lists which use only a Cisco Unified 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:	?

2.3.39.19 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).

2.3.39.20 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 (RFI-13):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkClass NOT IN (1, 10, 13, 254)
	Constraint:	fkEndUser IS NULL
	Null Allowed:	Null is required
	Remarks:	End User cannot be associated with this device

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.

2.3.39.21 fkenduser_lastlogin (FI-2888)

Type:	guid (Indexed, Null OK)
Default Value:	NULL
Remarks:	This is the id of the last logged on EM user

2.3.39.22 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.

2.3.39.23 fkmatrix_presence (FI-2752)

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

2.3.39.24 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.

2.3.39.25 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.

2.3.39.26 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
Error Message:	A device that uses Phone Templates have a specific Phone Template assigned.
Remedy:	Specify a Phone Template.

2.3.39.27 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).

2.3.39.28 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

2.3.39.29 fksipprofile (FI-2489)

Type:	guid (Null OK)
Default Value:	NULL

2.3.39.30 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) = 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.

2.3.39.31 ignorepi (FI-2162)

Type:	bool
Default Value:	FALSE

2.3.39.32 ikdevice_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.

2.3.39.33 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 (RFI-135):

Type:	Inter-field Condition and Constraint
Test Condition:	allowHotelingFlag = 't'
Constraint:	(tkDeviceProfile = 4) OR (ikDevice_DefaultProfile IS NOT NULL)
Remarks:	Device needs to have a default profile if EM is enabled

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-59):	Type:	Validation (Insert/Update)
	Rule Name:	Logged In User Update Restriction
	Description:	If the system is set to synchronize a device and it's autogenerated device profile when the device is updated, changes cannot be made to the device while a user is logged in.
	Test Condition:	(SELECT COUNT(*) FROM ProcessConfig WHERE ParamName = 'AutosyncDeviceProfile' AND ParamValue = 'T') AND (SELECT (tkDeviceProfile = 2) FROM Device WHERE pkid = @Device.ikDevice_DefaultDeviceProfile) AND (SELECT (LoggedInUser IS NOT NULL) FROM Device WHERE pkid = @Device.pkid)
	Error Message:	Cannot make changes to a device while a user is logged in.
	Remedy:	Log the user out of the device and try again, or apply changes to the logged in user's device profile and log the user out and back in.
Rule (RI-310):	Type:	Active (Update)
	Rule Name:	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

2.3.39.34 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

2.3.39.35 loginduration (FI-906)

Type:	long (Null OK)
Default Value:	NULL

Rule (RI-41):	Type:	Validation (Insert/Update)
	Rule Name:	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) = 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.

2.3.39.36 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:	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) = 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-59):	Type:	Validation (Insert/Update)
	Rule Name:	Logged In User Update Restriction
	Description:	If the system is set to synchronize a device and it's autogenerated device profile when the device is updated, changes cannot be made to the device while a user is logged in.
	Test Condition:	(SELECT COUNT(*) FROM ProcessConfig WHERE ParamName = 'AutosyncDeviceProfile' AND ParamValue = 'T') AND (SELECT (tkDeviceProfile = 2) FROM Device WHERE pkid = @Device.ikDevice_DefaultDeviceProfile) AND (SELECT (LoggedInUser IS NOT NULL) FROM Device WHERE pkid = @Device.pkid)
	Error Message:	Cannot make changes to a device while a user is logged in.
	Remedy:	Log the user out of the device and try again, or apply changes to the logged in user's device profile and log the user out and back in.
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:	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

2.3.39.37 md5hash (FI-3030)

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

2.3.39.38 mtprequired (FI-1320)

Type:	bool
Default Value:	FALSE

2.3.39.39 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-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 Cisco Unified CallManager. 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 Cisco Unified CallManager. Need to trim leading and trailing spaces from devicename
	Test Condition:	?

2.3.39.40 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
	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.

2.3.39.41 packetcaptureduration (FI-1911)

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

2.3.39.42 pkid (FI-1)

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

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-59):	Type:	Validation (Insert/Update)
	Rule Name:	Logged In User Update Restriction
	Description:	If the system is set to synchronize a device and it's autogenerated device profile when the device is updated, changes cannot be made to the device while a user is logged in.
	Test Condition:	(SELECT COUNT(*) FROM ProcessConfig WHERE ParamName = 'AutosyncDeviceProfile' AND ParamValue = 'T') AND (SELECT (tkDeviceProfile = 2) FROM Device WHERE pkid = @Device.ikDevice_DefaultDeviceProfile) AND (SELECT (LoggedInUser IS NOT NULL) FROM Device WHERE pkid = @Device.pkid)
	Error Message:	Cannot make changes to a device while a user is logged in.

	Remedy:	Log the user out of the device and try again, or apply changes to the logged in user's device profile and log the user out and back in.
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-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-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:	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

2.3.39.43 publickey (FI-2464)

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

2.3.39.44 requiredtmfreception (FI-2462)

Type:	bool
Default Value:	FALSE

2.3.39.45 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

2.3.39.46 retryvideocallasaudio (FI-1230)

Type:	bool
Default Value:	TRUE

2.3.39.47 rfc2833disabled (FI-2490)

Type:	bool
Default Value:	FALSE

2.3.39.48 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.

2.3.39.49 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.

2.3.39.50 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.

2.3.39.51 sshpassword (FI-2711)

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

2.3.39.52 sshuserid (FI-2712)

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

2.3.39.53 subunit (FI-926)

Type:	long (Not Modifiable)
Default Value:	0

2.3.39.54 tkcertificateoperation (FI-2347)

Type:	enum
Default Value:	1
Remarks:	Certificate Operation

2.3.39.55 tkcertificatestatus (FI-1914)

Type:	enum
Default Value:	1

2.3.39.56 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:	RouteListEnabled on 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

2.3.39.57 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.

2.3.39.58 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 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-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

2.3.39.59 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
	Error Message:	A device that uses Phone Templates have a specific Phone Template assigned.
	Remedy:	Specify a Phone Template.
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-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).

2.3.39.60 tkdtmfsignaling (FI-2399)

Type:	enum (Null OK)

2.3.39.61 tkkeyauthority (FI-3013)

Type:	enum
Default Value:	0
Remarks:	TypeKeyAuthority

2.3.39.62 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
	Error Message:	A device that uses Phone Templates have a specific Phone Template assigned.
	Remedy:	Specify a Phone Template.
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-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).

2.3.39.63 tknetworklocation (FI-2164)

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

2.3.39.64 tkpacketcapturemode (FI-1910)

Type:	enum
Default Value:	0

2.3.39.65 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) = 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) = 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) = 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.

2.3.39.66 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
	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
	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 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) = 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:	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) = 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:	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) = 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
	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
	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) = 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) = 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) = 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
	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

2.3.39.67 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:	?

2.3.39.68 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.

2.3.39.69 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

2.3.39.70 tkreset (FI-3111)

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

2.3.39.71 tksipcodec_mtppreferredorigcodec (FI-3015)

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

2.3.39.72 tkstatus_builtinbridge (FI-1306)

Type:	enum
Default Value:	2

2.3.39.73 tkstatus_callinfoprivate (FI-1305)

Type:	enum
Default Value:	2
Remarks:	display call info to caller?

2.3.39.74 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) = 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.

2.3.39.75 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 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.

2.3.39.76 transmitutf8 (FI-2094)

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

2.3.39.77 unattended_port (FI-2398)

Type:	bool
Default Value:	FALSE

2.3.39.78 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

2.3.39.79 upgradefinishtime (FI-1917)

Type:	string [50]
Default Value:	EMPTY

2.3.39.80 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 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.

2.3.39.81 v150modemrelaycapable (FI-2165)

Type:	bool
Default Value:	FALSE

2.3.39.82 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

2.3.39.83 xml (FI-933)

Type:	string [16000] (Null OK)
Default Value:	NULL
Remarks:	Product configuration XML not used by Cisco Unified CallManager

	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, 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, 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))
		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, 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, 254))
		Remarks:	End Users can only own or log into Phones and CTI Route Points.

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-59):	Type:	Validation (Insert/Update) Rule applied when record is updated.
	Rule Name:	Logged In User Update Restriction
	Description:	If the system is set to synchronize a device and it's autogenerated device profile when the device is updated, changes cannot be made to the device while a user is logged in.
	Test Condition:	(SELECT COUNT(*) FROM ProcessConfig WHERE ParamName = 'AutosyncDeviceProfile' AND ParamValue = 'T') AND (SELECT (tkDeviceProfile = 2) FROM Device WHERE pkid = @Device.ikDevice_DefaultDeviceProfile) AND (SELECT (LoggedInUser IS NOT NULL) FROM Device WHERE pkid = @Device.pkid)
	Error Message:	Cannot make changes to a device while a user is logged in.
	Remedy:	Log the user out of the device and try again, or apply changes to the logged in user's device profile and log the user out and back in.
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:	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

2.3.40 deviceaddonmodulemap (TI-167)

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

Fields:

2.3.40.1 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
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).
Test Condition:	ON INSERT 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.
Remedy:	Check the number of Add-on Modules supported and configured for this device and try again.

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.

2.3.40.2 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)

2.3.40.3 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

2.3.40.4 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

2.3.40.5 tkmodel (FI-1620)

Type:	enum
Default Value:	124

Rule (RI-78):	Type:	Validation (Insert/Update)
	Rule Name:	DeviceAddOnModule Model
	Description:	The model of an Add-on Module in the DevcieAddonModuleMap must be in the Class Add-on Module
	Test Condition:	IF (DeviceAddOnModuleMap.tkModel NOT IN (SELECT Enum FROM TypeModel WHERE tkClass = 16)) THEN throw exception
	Error Message:	The specified model for the Add-on Module is not an Add-on Module device type.
	Remedy:	Check the device type (model) and try again.

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)

2.3.41 deviceemsyn (TI-409)

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

Fields:		
	2.3.41.1 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
	2.3.41.2 pkid (FI-3041)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record
	2.3.41.3 sepdeviceid (FI-3043)	
	Type:	guid
	Remarks:	The pkid of the real device that requires sync up ADP
	2.3.41.4 seq (FI-3044)	
	Type:	identity (Unique, Not Modifiable)
	Remarks:	Trigger set on insert

Uniqueness:	No multicolumn uniqueness constraints

2.3.42 devicefeaturemember (TI-209)

Description:	Generic table for associating a list of features with a device

Fields:

2.3.42.1 fkdevice_group (FI-1371)	
Type:	guid (Cascade Delete)
2.3.42.2 member (FI-1373)	
Type:	string [100]
Default Value:	EMPTY
2.3.42.3 pkid (FI-1370)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.42.4 selectionorder (FI-1374)	
Type:	long
2.3.42.5 tkdevicefeature (FI-1372)	
Type:	enum

Uniqueness:	fkdevice_group + tkdevicefeature is unique. (MFI-35)

2.3.43 devicenumplanmap (TI-77)

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

Fields:

2.3.43.1 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.

2.3.43.2 callinfodisplaymask (FI-1351)

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

2.3.43.3 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:	?

2.3.43.4 dialplanwizardgenid (FI-678)

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

2.3.43.5 display (FI-317)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[^]"""""%<>[&|{}]{0,30}$
Migration Source:	NumPlan.Display

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.

2.3.43.6 displayascii (FI-1789)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[a-zA-Z0-9 !#$'()*+,./:;=?@\\^_`}~-]{0,30}$

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.

2.3.43.7 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

2.3.43.8 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:	?
	Error Message:	Duplicate phone line.
	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.

2.3.43.9 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:	?
	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:	?

2.3.43.10 label (FI-288)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[^"""%&<>]{0,30}$
Migration Source:	NULL

2.3.43.11 labelascii (FI-1788)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[a-zA-Z0-9 !#$'()*+,./:;=?@\\^_`}~-]{0,30}$

2.3.43.12 maxnumcalls (FI-1349)

Type:	long
Default Value:	2
Check Constraint:	MaxNumCalls > 0

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:	?

2.3.43.13 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:	?
	Error Message:	Duplicate phone line.
	Remedy:	?

2.3.43.14 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:	?

2.3.43.15 tkmwlpolicy (FI-1076)

Type:	enum
Default Value:	0

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.

2.3.43.16 tkringsetting (FI-575)

Type:	enum
Default Value:	4
Migration Source:	DeviceNumPlanMap.ringDisable

	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.
	2.3.43.17 tkringsetting_consecutive (FI-1220)		
	Type:	enum (Null OK)	
	Default Value:	0	
	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.
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.

2.3.44 devicepool (TI-13)

Description: Common collections of device attributes

Fields:

2.3.44.1 connectionmonitorduration (FI-2096)

Type:	long
Default Value:	-1
Check Constraint:	(ConnectionMonitorDuration >=-1) AND (ConnectionMonitorDuration <=2592000)

2.3.44.2 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 Unified CallManager. The calling search space specifies partitions that devices can search when attempting to complete a call.

2.3.44.3 fkcallmanagergroup (FI-151)

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

2.3.44.4 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.

2.3.44.5 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.

2.3.44.6 fkmlppdomain (FI-1955)

Type:	guid (Null OK)
Default Value:	NULL
Migration Source:	mlppdomainid
Remarks:	This is the MLPP domain associated with this device pool. If this field is blank, this device pool inherits its MLPP domain from the value set for the MLPP Domain Identifier enterprise parameter.

2.3.44.7 fkregion (FI-149)

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

2.3.44.8 fksoftkeytemplate (FI-1128)

Type:	guid
Remarks:	This is the softkey template that is associated with the devices in the device pool.

2.3.44.9 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.

2.3.44.10 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.

2.3.44.11 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.

2.3.44.12 name (FI-148)

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

2.3.44.13 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

2.3.44.14 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

2.3.44.15 tkcountry (FI-1037)

Type:	enum (Null OK)
Default Value:	NULL

2.3.44.16 tkpreemption (FI-1298)

Type:	enum
Default Value:	2
Remarks:	This setting specifies whether devices in the device pool capable of preempting calls in progress will use the capability when the devices place an MLPP precedence call. Note : Do not configure a device pool 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.

2.3.44.17 tkreset (FI-3073)

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

2.3.44.18 tkstatus_mlppindicationstatus (FI-1297)

Type:	enum
Default Value:	2
Remarks:	This setting specifies whether devices in the device pool 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 device pool 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.

2.3.44.19 tkuserlocale (FI-1036)

Type:	enum (Null OK)
Default Value:	NULL

Remarks:	This is the locale that is associated with the phones and gateways in the device pool. 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.

2.3.44.20 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

2.3.45 devicereset (TI-253)

Description: For device reset functionality. Records inserted into this table will inform Cisco Unified CallManager to reset the device. Records may be modified only by installation and/or DB triggers.

Fields:

2.3.45.1 devicepkid (FI-2098)

Type:	guid (Not Modifiable, Null OK)
Default Value:	NULL
Remarks:	Set by DeviceReset stored procedure.

2.3.45.2 fkcallmanager (FI-2046)

Type:	guid (Cascade Delete, Not Modifiable)
Remarks:	Set by DeviceReset stored procedures.

2.3.45.3 name (FI-1781)

Type:	string [129] (Not Modifiable, Null OK)
Default Value:	EMPTY
Remarks:	Set by DeviceReset stored procedure.

2.3.45.4 pkid (FI-1780)

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

2.3.45.5 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

2.3.45.6 tkmodel (FI-1783)

Type:	enum (Not Modifiable)
Remarks:	Set by DeviceReset stored procedure.

2.3.45.7 tkreset (FI-1782)

Type:	enum (Not Modifiable)
Remarks:	Set by DeviceReset stored procedure.

2.3.45.8 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

2.3.46 deviceversionstamp (TI-408)

Description: Stores the versionstamp for the device record, this was moved to it's own table for performance reasons

Fields:

2.3.46.1 fkdevice (FI-3039)

Type:	guid (Unique, Indexed, Cascade Delete)
Migration Source:	convert from DeviceName
Remarks:	Points to the device record

2.3.46.2 pkid (FI-3038)

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

2.3.46.3 versionstamp (FI-3040)

Type:	string [47] (Null OK)
Default Value:	0000000000-c7a6c673-7479-46b0-839e-014d3d093963
Remarks:	New guid is generated every time device is updated

Uniqueness: No multicolumn uniqueness constraints

2.3.47 dhcpserver (TI-292)

Description: (not supported yet)DHCP server configuration

Fields:

2.3.47.1 arpcachetimeout (FI-2055)

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

2.3.47.2 domainname (FI-2034)

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

2.3.47.3 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

2.3.47.4 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

2.3.47.5 fkprocessnode (FI-2028)

Type:	guid (Unique, Cascade Delete)
Remarks:	Associated server

2.3.47.6 ipaddrleasetime (FI-2056)

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

2.3.47.7 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

2.3.47.8 pkid (FI-2026)

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

Migration Source:	Generated
Remarks:	Unique ID to identify a record.

2.3.47.9 t1 (FI-2057)

Type:	long
Default Value:	0
Check Constraint:	(T1 >= 0) AND (T1 < 1073741824)
Remarks:	server

2.3.47.10 t2 (FI-2058)

Type:	long
Default Value:	0
Check Constraint:	(T2 >= 0) AND (T2 < 1073741824)
Remarks:	server

2.3.47.11 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

2.3.47.12 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

2.3.47.13 tftpservername (FI-2082)

Type:	string [17]
Default Value:	EMPTY
Remarks:	IP Address for the primary cisco tftp

Uniqueness:	No multicolumn uniqueness constraints

2.3.48 dhcpsubnet (TI-293)

Description:	(not supported yet)DHCP subnet configuration

Fields:

2.3.48.1 arpcachetimeout (FI-2045)

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

2.3.48.2 domainname (FI-2044)

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

2.3.48.3 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

2.3.48.4 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

2.3.48.5 fkdhcpserver (FI-2035)

Type:	guid (Cascade Delete)
Remarks:	Associated server

2.3.48.6 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

2.3.48.7 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

2.3.48.8 ipaddrleasetime (FI-2088)

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

Remarks:	server
2.3.48.9 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
2.3.48.10 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
2.3.48.11 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
2.3.48.12 pkid (FI-2027)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
2.3.48.13 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
2.3.48.14 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
2.3.48.15 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
2.3.48.16 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
2.3.48.17 t1 (FI-2091)	
Type:	long
Default Value:	0
Check Constraint:	(T1 >= 0) AND (T1 < 1073741824)
Remarks:	server
2.3.48.18 t2 (FI-2092)	
Type:	long
Default Value:	0
Check Constraint:	(T2 >= 0) AND (T2 < 1073741824)
Remarks:	server
2.3.48.19 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
2.3.48.20 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
2.3.48.21 tftpservername (FI-2093)	
Type:	string [17]
Default Value:	EMPTY
Remarks:	IP Address for the primary cisco tftp
Uniqueness:	fkdhcpserver + subnet is unique. (MFI-69)

2.3.49 dialplan (TI-107)

Description:	List of known dial plans Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.49.1 description (FI-552)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,50}$
	Migration Source:	automatic
	2.3.49.2 name (FI-550)	
	Type:	string [50] (Unique, Not Modifiable)
	Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{1,50}$
	Migration Source:	automatic
	2.3.49.3 pkid (FI-549)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.49.4 version (FI-3032)	
	Type:	string [15]
	Default Value:	EMPTY
	Remarks:	Version number of the installed Dial Plan
Uniqueness:	No multicolumn uniqueness constraints	

2.3.50 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:		
	2.3.50.1 fkdialplan (FI-561)	
	Type:	guid (Cascade Delete, Not Modifiable)
	2.3.50.2 pkid (FI-392)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.50.3 suppressfromroutefilter (FI-762)	
	Type:	bool (Not Modifiable)
	Default Value:	FALSE
	Remarks:	Don't show this tag in RouteFilterMember.
	2.3.50.4 tag (FI-455)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Migration Source:	automatic

2.3.50.5 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)

2.3.51 dialrules (TI-330)

Description: Dial Rules

Fields:

2.3.51.1 description (FI-2854)

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

2.3.51.2 isstandard (FI-2459)

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

2.3.51.3 name (FI-2457)

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

2.3.51.4 pkid (FI-2456)

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

2.3.51.5 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

2.3.51.6 tkdialpattern (FI-2458)

Type:	enum

Default Value:	2
Remarks:	Pkid of Dial Pattern record

2.3.51.7 tkreset (FI-3075)

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

2.3.51.8 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

2.3.52 dialrulespatternmap (TI-329)

Description:	DialRules Pattern Map

Fields:

2.3.52.1 description (FI-2871)

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

2.3.52.2 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

2.3.52.3 pkid (FI-2452)

Type:	guid (Unique, Indexed, Not Modifiable)

Default Value:	newid()
Remarks:	Unique Key

2.3.52.4 selectionorder (FI-2455)

Type:	long
Remarks:	Selection order

2.3.52.5 tkpattern (FI-2454)

Type:	enum
Remarks:	Enum of TypePattern record

Uniqueness: No multicolumn uniqueness constraints

2.3.53 digitalaccessbri (TI-223)

Description: Digital access BRI information not in Device table

Fields:

2.3.53.1 acceptinboundrdnis (FI-1608)

Type:	bool
Default Value:	FALSE

2.3.53.2 calleriddn (FI-1587)

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

2.3.53.3 dchannelenable (FI-1600)

Type:	bool
Default Value:	TRUE

2.3.53.4 displayie (FI-1605)

Type:	bool
Default Value:	FALSE

2.3.53.5 firstdelay (FI-1584)

Type:	long

2.3.53.6 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.

2.3.53.7 intradelay (FI-1585)

Type:	long

2.3.53.8 numberie (FI-1606)

Type:	bool
Default Value:	FALSE

2.3.53.9 numdigits (FI-1580)

Type:	long
Check Constraint:	((NumDigits >= 0) AND (NumDigits <= 32)) OR (NumDigits = 99)

2.3.53.10 pkid (FI-1574)

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

2.3.53.11 prefix (FI-1578)

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

2.3.53.12 sendrestart (FI-1583)

Type:	bool

2.3.53.13 setupnonisdnpiflag (FI-1607)

Type:	bool
Default Value:	FALSE

2.3.53.14 sigdigits (FI-1579)

Type:	bool
Default Value:	FALSE
Remarks:	Must be 1 if (NumDigits >= 0) AND (NumDigits <= 32), or 0 if (NumDigits = 99)

2.3.53.15 stablein4 (FI-2166)

Type:	bool
Default Value:	FALSE

2.3.53.16 statuspoll (FI-1581)

Type:	bool

2.3.53.17 stripcountout (FI-1586)

Type:	long

2.3.53.18 tkbriprotocol (FI-1576)

Type:	enum

2.3.53.19 tkcallingpartyselection (FI-1589)

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

2.3.53.20 tkclockreference (FI-1588)

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

2.3.53.21 tkcsuparam (FI-1591)

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

2.3.53.22 tkencode (FI-1592)

Type:	enum
Default Value:	1
Migration Source:	chanie

2.3.53.23 tkfdlchannel (FI-1603)

Type:	enum
Default Value:	0

2.3.53.24 tkframing (FI-1602)

Type:	enum
Default Value:	1

2.3.53.25 tknumberingplan_called (FI-1595)

Type:	enum
Default Value:	0

2.3.53.26 tknumberingplan_calling (FI-1596)

Type:	enum
Default Value:	0

2.3.53.27 tkpresentationbit (FI-1590)

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

2.3.53.28 tkpriofnumber_called (FI-1594)

Type:	enum
Default Value:	0

2.3.53.29 tkpriofnumber_calling (FI-1593)

Type:	enum

Default Value:	0

2.3.53.30 tktrunklevel (FI-1599)

Type:	enum
Default Value:	7

2.3.53.31 tktrunkpad_rx (FI-1597)

Type:	enum
Default Value:	32

2.3.53.32 tktrunkpad_tx (FI-1598)

Type:	enum
Default Value:	32

2.3.53.33 tktrunkselectionorder (FI-1577)

Type:	enum
Default Value:	1
Migration Source:	Direction

2.3.53.34 tkyellowalarm (FI-1604)

Type:	enum
Default Value:	1

2.3.53.35 tkzerosuppression (FI-1601)

Type:	enum
Default Value:	0

Uniqueness:	No multicolumn uniqueness constraints

2.3.54 digitalaccesspri (TI-14)

Description:	Digital access PRI information not in Device table

Fields:

2.3.54.1 acceptinboundrdnis (FI-1087)

Type:	bool
Default Value:	TRUE

2.3.54.2 calleriddn (FI-56)

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

2.3.54.3 dchannelenable (FI-710)

Type:	bool
Default Value:	TRUE

2.3.54.4 displayie (FI-775)

Type:	bool
Default Value:	TRUE

2.3.54.5 firstdelay (FI-53)

Type:	long
Default Value:	32
Migration Source:	FirstDelay

2.3.54.6 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.

2.3.54.7 interfaceidentifierpresent (FI-773)

Type:	bool
Default Value:	FALSE

2.3.54.8 interfaceidentifiervalue (FI-774)

Type:	long
Default Value:	0

2.3.54.9 intradelay (FI-54)

Type:	long
Default Value:	4
Migration Source:	IntraDelay

2.3.54.10 mcdnenable (FI-1180)

Type:	bool
Default Value:	FALSE

2.3.54.11 numberie (FI-776)

Type:	bool
Default Value:	TRUE

2.3.54.12 numdigits (FI-48)

Type:	long
Check Constraint:	((NumDigits >= 0) AND (NumDigits <= 32)) OR (NumDigits = 99)
Migration Source:	NumDigits

2.3.54.13 passingprecedencelevelthroughuuie (FI-2167)

Type:	bool
Default Value:	FALSE

2.3.54.14 pkid (FI-41)

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

2.3.54.15 prefix (FI-46)

Type:	dn (Null OK)
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	NULL
Validation:	^[0-9*#]{0,50}$
Migration Source:	Prefix

2.3.54.16 protocolprofile91nameonly (FI-2168)

Type:	bool
Default Value:	FALSE

2.3.54.17 securityaccesslevel (FI-2169)

Type:	long
Default Value:	2
Check Constraint:	(SecurityAccessLevel >= 0) AND (SecurityAccessLevel <= 99)

2.3.54.18 sendcallingnameinfacilityie (FI-1361)

Type:	bool

Default Value:	FALSE

2.3.54.19 sendexleadingcharindispie (FI-1026)

Type:	bool
Default Value:	TRUE

2.3.54.20 sendrestart (FI-52)

Type:	bool
Default Value:	TRUE
Migration Source:	SendRestart

2.3.54.21 setupnonisdnpiflag (FI-992)

Type:	bool
Default Value:	FALSE

2.3.54.22 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)

2.3.54.23 smdibaseport (FI-1221)

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

2.3.54.24 span (FI-43)

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

2.3.54.25 statuspoll (FI-49)

Type:	bool
Migration Source:	StatusPoll

2.3.54.26 stripcountout (FI-55)

Type:	long
Default Value:	0
Migration Source:	StripCountOut

2.3.54.27 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

2.3.54.28 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

2.3.54.29 tkconnectedpbx (FI-1334)

Type:	enum
Default Value:	0

2.3.54.30 tkcsuparam (FI-62)

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

2.3.54.31 tkencode (FI-640)

Type:	enum
Default Value:	1

2.3.54.32 tkfdlchannel (FI-715)

Type:	enum
Default Value:	0

2.3.54.33 tkframing (FI-713)

Type:	enum
Default Value:	1

2.3.54.34 tknumberingplan_called (FI-687)

Type:	enum
Default Value:	0

2.3.54.35 tknumberingplan_calling (FI-688)

Type:	enum
Default Value:	0

2.3.54.36 tkpresentationbit_callingline (FI-1335)

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

2.3.54.37 tkpresentationbit_connectedline (FI-1333)

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

2.3.54.38 tkprichanie (FI-50)

Type:	enum
Default Value:	2
Migration Source:	ChanIE

2.3.54.39 tkpriofnumber_called (FI-674)

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

2.3.54.40 tkpriofnumber_calling (FI-673)

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

2.3.54.41 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.

2.3.54.42 tktrunklevel (FI-709)

Type:	enum
Default Value:	7

2.3.54.43 tktrunkpad_rx (FI-707)

Type:	enum
Default Value:	32

2.3.54.44 tktrunkpad_tx (FI-708)

Type:	enum
Default Value:	32

2.3.54.45 tktrunkselectionorder (FI-45)

Type:	enum

Default Value:	1
Migration Source:	Direction

2.3.54.46 tkyellowalarm (FI-717)

Type:	enum
Default Value:	1

2.3.54.47 tkzerosuppression (FI-711)

Type:	enum
Default Value:	0

Uniqueness: No multicolumn uniqueness constraints

2.3.55 digitalaccesst1 (TI-15)

Description: Digital access T1 information not in Device table

Fields:

2.3.55.1 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.

2.3.55.2 handledtmfprecedencesignals (FI-1336)

Type:	bool
Default Value:	FALSE

2.3.55.3 pkid (FI-63)

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

2.3.55.4 smdibaseport (FI-1222)

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

2.3.55.5 tkclockreference (FI-67)

Type:	enum

Migration Source:	ClockReference

2.3.55.6 tkcsuparam (FI-69)

Type:	enum
Migration Source:	CSUParam

2.3.55.7 tkdigitsending (FI-1024)

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

2.3.55.8 tkencode (FI-66)

Type:	enum
Migration Source:	EncodeType

2.3.55.9 tkfdlchannel (FI-716)

Type:	enum
Default Value:	3

2.3.55.10 tkframing (FI-714)

Type:	enum
Default Value:	1

2.3.55.11 tktrunkselectionorder (FI-65)

Type:	enum
Migration Source:	TrunkSelectionOrder

2.3.55.12 tkyellowalarm (FI-718)

Type:	enum
Default Value:	1

2.3.55.13 tkzerosuppression (FI-712)

Type:	enum
Default Value:	0

Uniqueness:	No multicolumn uniqueness constraints

2.3.56 digitalaccesst1port (TI-16)

Description:	Ports on a Digital Access T1

Fields:

2.3.56.1 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

2.3.56.2 calleriddn (FI-90)

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

2.3.56.3 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

2.3.56.4 expecteddigits (FI-79)

Type:	long
Check Constraint:	(ExpectedDigits >= 0) AND (ExpectedDigits <= 23)
Migration Source:	ExpectedDigits

2.3.56.5 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.

2.3.56.6 inboundcalleridenable (FI-89)

Type:	bool
Migration Source:	InboundCallerIdEnable

2.3.56.7 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

2.3.56.8 pkid (FI-70)

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

2.3.56.9 portnum (FI-72)

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

2.3.56.10 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.

2.3.56.11 sigdigits (FI-78)

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

2.3.56.12 timer1 (FI-83)

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

2.3.56.13 timer2 (FI-84)

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

2.3.56.14 timer3 (FI-85)

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

2.3.56.15 timer4 (FI-86)

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

2.3.56.16 timer5 (FI-87)

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

2.3.56.17 timer6 (FI-88)

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

2.3.56.18 tkcallerid (FI-720)

Type:	enum
Default Value:	0

2.3.56.19 tkcallingpartyselection (FI-92)

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

2.3.56.20 tkdigitsending (FI-564)

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

2.3.56.21 tkpresentationbit (FI-93)

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

2.3.56.22 tksilencesuppressionthreshold (FI-91)

Type:	enum
Migration Source:	SilenceSuppressionThreshold
Remarks:	in dbm0

2.3.56.23 tkstartdialprotocol (FI-625)

Type:	enum
Default Value:	0

2.3.56.24 tktrunk (FI-73)

Type:	enum
Migration Source:	PortType

2.3.56.25 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)

2.3.56.26 tktrunklevel (FI-80)

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

2.3.56.27 tktrunkpad_rx (FI-81)

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

2.3.56.28 tktrunkpad_tx (FI-82)

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

2.3.56.29 unattendedport (FI-2848)

Type:	bool (Null OK)
Default Value:	FALSE

2.3.56.30 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

2.3.56.31 xml (FI-936)

Type:	string [32000] (Null OK)
Default Value:	NULL

Remarks:	Product configuration XML not used by Cisco Unified CallManager
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)

2.3.57 digitdiscardinstruction (TI-105)

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

Fields:

2.3.57.1 clause (FI-694)	
Type:	memo (Not Modifiable, Null OK)
Default Value:	NULL
2.3.57.2 digitanalysisid (FI-619)	
Type:	long (Unique, Not Modifiable)
2.3.57.3 fkdialplan (FI-547)	
Type:	guid (Cascade Delete, Not Modifiable)
Migration Source:	automatic
2.3.57.4 name (FI-541)	
Type:	string [50] (Not Modifiable)
Migration Source:	automatic
Remarks:	Removed Unique key constraint on name field
2.3.57.5 pkid (FI-540)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
2.3.57.6 resettoggle (FI-3076)	
Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset
2.3.57.7 tkreset (FI-3077)	
Type:	enum
Default Value:	2

	Remarks:	Set by DeviceReset stored procedure.
Uniqueness:	name + fkdialplan is unique. (MFI-36)	

2.3.58 digitdiscardinstructionmember (TI-100)

Description:	List of tags per Digit Discard Instruction Records may be modified only by installation and/or DB triggers.

Fields:

2.3.58.1 fkdialplantag (FI-469)

Type:	guid (Not Modifiable)
Migration Source:	automatic

2.3.58.2 fkdigitdiscardinstruction (FI-468)

Type:	guid (Indexed, Cascade Delete, Not Modifiable)
Migration Source:	automatic

2.3.58.3 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)

2.3.59 directorypluginattribute (TI-259)

Description:	attributes to be synced from LDAP server

Fields:

2.3.59.1 dirobjectclassattrname (FI-1832)

Type:	string [128]
Default Value:	EMPTY

2.3.59.2 fkdirectorypluginconfig (FI-1831)

Type:	guid (Cascade Delete, Not Modifiable)

2.3.59.3 pkid (FI-1830)

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

2.3.59.4 tkldapserverattr (FI-1833)

Type:	enum

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

2.3.60 directorypluginconfig (TI-249)

Description:	Configuration data for the corporate Directory connector

Fields:

2.3.60.1 agreementstatus (FI-1711)

Type:	long

2.3.60.2 connectedldaphost (FI-1899)

Type:	string [128]
Default Value:	EMPTY

2.3.60.3 fullsyncstatus (FI-1894)

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

2.3.60.4 highestcommittedusn (FI-1828)

Type:	string [128]
Default Value:	EMPTY

2.3.60.5 incsyncstatus (FI-1777)

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

2.3.60.6 invocationid (FI-1893)

Type:	string [128]
Default Value:	EMPTY

2.3.60.7 ldapdn (FI-1714)

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

2.3.60.8 ldappassword (FI-1715)

Type:	string [128]
Default Value:	9e1cb76005b4b718276f4f3662d11f4474dbf844c91298f70fa00d71a9151211

2.3.60.9 ldapsynchronizationbase (FI-1716)

Type:	string [256]
Default Value:	Search Base

2.3.60.10 name (FI-1962)

Type:	string [40] (Unique, Indexed)

2.3.60.11 pkid (FI-1710)

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

2.3.60.12 syncnow (FI-1892)

Type:	long (Null OK)
Default Value:	0

Uniqueness: No multicolumn uniqueness constraints

2.3.61 directorypluginhost (TI-260)

Description:	Host names of LDAP servers
Fields:	**2.3.61.1 fkdirectorypluginconfig (FI-1835)**
	Type: guid (Cascade Delete, Not Modifiable)
	2.3.61.2 hostname (FI-1836)
	Type: string [128]
	Default Value: Host Name
	2.3.61.3 ldapportnumber (FI-1938)
	Type: long
	2.3.61.4 pkid (FI-1834)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.61.5 priority (FI-1837)
	Type: long
	2.3.61.6 sslenabled (FI-1901)
	Type: bool
	Default Value: FALSE
Uniqueness:	fkdirectorypluginconfig + hostname is unique. (MFI-44)

2.3.62 directorypluginschedule (TI-261)

Description:	Schedule for directory plugin task
Fields:	**2.3.62.1 active (FI-1840)**
	Type: bool
	Default Value: FALSE
	2.3.62.2 fkdirectorypluginconfig (FI-1839)
	Type: guid (Unique, Cascade Delete, Not Modifiable)
	2.3.62.3 intervalvalue (FI-1843)
	Type: long (Null OK)
	2.3.62.4 nextexectime (FI-1841)
	Type: string [32]
	Default Value: EMPTY
	2.3.62.5 pkid (FI-1838)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.62.6 repeatable (FI-1842)
	Type: bool
	Default Value: TRUE

2.3.62.7 tkscheduleunit (FI-1844)	
Type:	enum
Default Value:	2
Uniqueness:	No multicolumn uniqueness constraints

2.3.63 dirgroup (TI-231)

Description:	Categorizes users and Application users

Fields:

2.3.63.1 isstandard (FI-2002)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Created during installation.
2.3.63.2 name (FI-1662)	
Type:	string [128] (Unique, Indexed)
Validation:	^[a-zA-Z 0-9._-]{1,128}$
2.3.63.3 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 (Insert/Update) Rule applied when record is inserted or updated.
Rule Name:	System User DirGroup restriction
Description:	System Users like CCMAdministrator cannot be added to user-defined User Groups (table ApplicationUserDirGroupMap). The permissions for System Users are defined in the standard groups, and adding them to other groups would alter the System User's privileges.
Test Condition:	ON INSERT/UPDATE IN ApplicationUserDirGroupMap IF (SELECT isStandard FROM ApplicationUser WHERE pkid = @ApplicationUserDirGroupMap.fkApplicationUser) = 1 THEN throw exception
Error Message:	Cannot change the User Group (DirGroup) membership of a system user account.

2.3.64 dmmsdevice (TI-416)

Description:	Cellular Subscriber data not in Device Table

Fields:		
	2.3.64.1 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
	2.3.64.2 disableappdialrules (FI-3142)	
	Type:	bool
	Default Value:	FALSE
	2.3.64.3 enablefollowme (FI-3145)	
	Type:	bool
	Default Value:	TRUE
	2.3.64.4 fkdevice (FI-3141)	
	Type:	guid (Unique, Indexed, Cascade Delete)
	2.3.64.5 fkdevice_wsm (FI-3143)	
	Type:	guid (Indexed, Cascade Delete)
	2.3.64.6 pkid (FI-3140)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.65 drfcomponent (TI-288)

Description:	Disater recovery framework status and dependacy	
Fields:	**2.3.65.1 fkprocessnodeservice (FI-2009)**	
	Type:	guid (Cascade Delete)
	Remarks:	Associated server
	2.3.65.2 id (FI-2013)	
	Type:	long
	Default Value:	0
	Remarks:	ID from registration
	2.3.65.3 ikdrfcomponent (FI-2012)	
	Type:	guid (Null OK)
	Default Value:	NULL
	Remarks:	service that must be started first
	2.3.65.4 pkid (FI-2010)	
	Type:	guid (Unique, Indexed, Not Modifiable)

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

2.3.65.5 tkdrfregistered (FI-2011)

Type:	enum
Default Value:	0
Remarks:	Registration status

Uniqueness: No multicolumn uniqueness constraints

2.3.66 drfscript (TI-289)

Description: Disater recovery framework configured scripts

Fields:

2.3.66.1 fkdrfcomponent (FI-2014)

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

2.3.66.2 name (FI-2017)

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

2.3.66.3 orderid (FI-2018)

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

2.3.66.4 pkid (FI-2015)

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

2.3.66.5 tkdrfscript (FI-2019)

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

Uniqueness: No multicolumn uniqueness constraints

2.3.67 enduser (TI-228)

Description: Lists the end users for the system

Fields:

2.3.67.1 allowcticontrolflag (FI-3054)

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

2.3.67.2 assocpc (FI-10)

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

2.3.67.3 building (FI-1803)

Type:	string [64]
Default Value:	EMPTY

2.3.67.4 deletedtimestamp (FI-1996)

Type:	long (Null OK)

2.3.67.5 department (FI-1648)

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

2.3.67.6 facsimiletelephonenumber (FI-1798)

Type:	string [64]
Default Value:	EMPTY

2.3.67.7 firstname (FI-1641)

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

2.3.67.8 fkcallingsearchspace_restrict (FI-3053)

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

2.3.67.9 fkdirectorypluginconfig (FI-1940)

Type:	guid (Null OK)

2.3.67.10 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.

2.3.67.11 homephone (FI-1801)

Type:	string [64]
Default Value:	EMPTY

2.3.67.12 lastname (FI-1643)	
Type:	string [64] (Indexed)
Remarks:	User's last name.
2.3.67.13 mailid (FI-1652)	
Type:	string [255]
Default Value:	EMPTY
2.3.67.14 manager (FI-1647)	
Type:	string [128]
Default Value:	EMPTY
Remarks:	Name of the user manager ID.
2.3.67.15 middlename (FI-1642)	
Type:	string [32]
Default Value:	EMPTY
Remarks:	User's middle name.
2.3.67.16 mobile (FI-1799)	
Type:	string [64]
Default Value:	EMPTY
2.3.67.17 nickname (FI-1960)	
Type:	string [64]
Default Value:	EMPTY
2.3.67.18 pager (FI-1800)	
Type:	string [64]
Default Value:	EMPTY
2.3.67.19 password (FI-1645)	
Type:	string [128]
Default Value:	e15d5b7c1818860e2c2a9de7dab6654c0f01da2c
Remarks:	Encrypted value is stored.
Rule (RI-112):	Type: Validation (Insert/Update) Rule Name: EndUser Password Not Modifiable Description: The EndUser Password is not modifiable if a Corporate Directory is being used for authentication. Test Condition: IF (LDAPAuthentication.IsAuthenticateWCorpDir = FALSE) THEN EndUser. Password is modifiable Error Message: Cannot modify the password because Corporate Directory is being used for user authentication. Remedy: Update the password in the Corporate directory.
2.3.67.20 passwordreverse (FI-2460)	
Type:	string [128] (Null OK)
Default Value:	69c4f936f9cdf45f6bbca2570c31215629bb5d6fb97493478b8ff3db6fffbc55

Remarks:	Used for digest authentication

2.3.67.21 pin (FI-1646)

Type:	string [128]
Default Value:	8cb2237d0679ca88db6464eac60da96345513964
Remarks:	Personal Identification Number. Encrypted value is stored.
Rule (RI-111):	Type: Validation (Insert/Update) Rule Name: EndUser Not Modifiable except Password and PIN Description: The contents of the EndUser table, with the exception of the password and PIN fields, are not modifiable if Cisco Unified CallManager User Information is being synchronized with a customer's LDAP Directory. Test Condition: IF (LDAPSystemConfig.SyncEnabled = FALSE) THEN EndUser Table is modifiable Error Message: Cannot modify EndUser information other than a user's Password and PIN because user information is managed by corporate directory. Remedy: Update the user information in the corporate directory. Cisco Unified CallManager user information is automatically updated (at scheduled interval).

2.3.67.22 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 Description: An EndUser userid cannot be the same as an AppUser Name. When an EndUser is inserted associate the user to default dirgroup Cisco Unified CallManager End Users 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. Remedy: Provice a unique userid for the EndUser that is not the same as an AppUser Name.
Rule (RI-102):	Type: Active (Delete) Rule Name: Log Out User on Delete Description: If an EndUser is deleted while they are logged into a phone, the user must be logged out of the phone first, and the deleted. Test Condition: Device.fkEndUser = EndUser.pkid AND Device.LoginTime IS NOT NULL

Rule (RI-103):	Type:	Active (Delete)
	Rule Name:	Remove Deleted EndUser from Device and IMPA
	Description:	If an EndUser is deleted while they are still referenced in Device or IPMA settings, the enduser references (fk's) must be removed before the user is deleted. The device and it's settings are not deleted when the user is deleted, and IPMA configuration is not 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 (Insert/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 Unified CallManager user information will be updated automatically during synchronization.

2.3.67.23 site (FI-1804)

Type:	string [64]
Default Value:	EMPTY

2.3.67.24 status (FI-1653)

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

2.3.67.25 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.

2.3.67.26 title (FI-1802)

Type:	string [64]
Default Value:	EMPTY

2.3.67.27 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.

2.3.67.28 tkuserprofile (FI-2655)

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

2.3.67.29 uniqueidentifier (FI-1959)

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

2.3.67.30 userid (FI-1644)

Type:	string [128] (Unique, Indexed)
Remarks:	User identification name.

Rule (RI-58):

Type:	Active (Insert/Update)
Rule Name:	EndUser UserID Uniqueness
Description:	An EndUser userid cannot be the same as an AppUser Name. When an EndUser is inserted associate the user to default dirgroup Cisco Unified CallManager End Users
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.
Remedy:	Provice a unique userid for the EndUser that is not the same as an AppUser Name.

Uniqueness: No multicolumn uniqueness constraints

Rules:

Rule (RI-102):

Type:	Active (Delete) Rule applied when record is deleted.
Rule Name:	Log Out User on Delete
Description:	If an EndUser is deleted while they are logged into a phone, the user must be logged out of the phone first, and the deleted.
Test Condition:	Device.fkEndUser = EndUser.pkid AND Device.LoginTime IS NOT NULL

Rule (RI-103):

Type:	Active (Delete) Rule applied when record is deleted.
Rule Name:	Remove Deleted EndUser from Device and IMPA
Description:	If an EndUser is deleted while they are still referenced in Device or IPMA settings, the enduser references (fk's) must be removed before the user is deleted. The device and it's settings are not deleted when the user is deleted, and IPMA configuration is not 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);

2.3.68 enduserappservermap (TI-376)

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

Fields:

2.3.68.1 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

2.3.68.2 fkappserver (FI-2774)

Type:	guid (Cascade Delete)

2.3.68.3 fkenduser (FI-2773)

Type:	guid (Cascade Delete)

2.3.68.4 pkid (FI-2772)

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

Uniqueness:	No multicolumn uniqueness constraints

2.3.69 endusercapfmap (TI-354)

Description:	1-N relation between End User to CAPF

Fields:

2.3.69.1 authenticationstring (FI-2634)

Type:	string [50]
Default Value:	EMPTY

2.3.69.2 fkenduser (FI-2642)

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

2.3.69.3 fkprocessnode (FI-2880)

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

2.3.69.4 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.

2.3.69.5 packetcaptureduration (FI-2633)

Type:	long (Null OK)
Default Value:	0

2.3.69.6 pkid (FI-2641)

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

2.3.69.7 subjectname (FI-2881)

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

2.3.69.8 tkauthenticationmode (FI-2637)

Type:	enum
Default Value:	2

2.3.69.9 tkcertificate (FI-2639)

Type:	enum
Default Value:	0

2.3.69.10 tkcertificateoperation (FI-2640)

Type:	enum
Default Value:	1
Remarks:	Certificate Operation

2.3.69.11 tkcertificatestatus (FI-2635)

Type:	enum
Default Value:	1

2.3.69.12 tkkeysize (FI-2638)

Type:	enum
Default Value:	2

2.3.69.13 tkpacketcapturemode (FI-2632)

Type:	enum
Default Value:	0

2.3.69.14 upgradefinishtime (FI-2636)

Type:	string [50]
Default Value:	EMPTY

2.3.69.15 userstate (FI-3017)

Type:	long
Default Value:	0

Uniqueness: fkenduser + instanceid is unique. (MFI-83)

2.3.70 enduserdevicemap (TI-229)

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

Fields:

2.3.70.1 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)

2.3.70.2 description (FI-1936)

Type:	string [128]
Default Value:	EMPTY
Validation:	^[^"""]{0,50}$

2.3.70.3 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-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.

2.3.70.4 fkenduser (FI-1655)

Type:	guid (Cascade Delete)

2.3.70.5 pkid (FI-1654)

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

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

2.3.70.6 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.

Uniqueness:	fkdevice + fkenduser + tkuserassociation is unique. (MFI-80)

2.3.71 enduserdirgroupmap (TI-232)

Description:	Many to many relationship between EndUser and DirGroup
Fields:	**2.3.71.1 fkdirgroup (FI-1665)**
	Type: guid (Cascade Delete)
	2.3.71.2 fkenduser (FI-1664)
	Type: guid (Cascade Delete)
	2.3.71.3 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)

2.3.72 endusernumplanmap (TI-240)

Description:	Many to many relationship between EndUsers and DNs.
Fields:	**2.3.72.1 fkenduser (FI-1736)**
	Type: guid (Cascade Delete)
	2.3.72.2 fknumplan (FI-1737)
	Type: guid (Cascade Delete)
	2.3.72.3 pkid (FI-1735)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.72.4 tkdnusage (FI-1738)
	Type: enum
Uniqueness:	No multicolumn uniqueness constraints

2.3.73 facinfo (TI-305)

Description:	Contains the authorization information for For
Fields:	**2.3.73.1 authorizationlevel (FI-2130)**
	Type: long
	Default Value: 0
	Check Constraint: (AuthorizationLevel >=0) AND (AuthorizationLevel <=255)
	2.3.73.2 code (FI-2131)
	Type: string [16] (Unique, Indexed)
	Validation: ^[0-9]{0,16}$
	Remarks: All digits
	2.3.73.3 name (FI-2129)

	Type:	string [50] (Unique)
	Validation:	^[a-zA-Z 0-9._-]{1,50}$
	Remarks:	Used in CDR
	2.3.73.4 pkid (FI-2132)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
Uniqueness:	No multicolumn uniqueness constraints	

2.3.74 functionrole (TI-233)

Description:	A role comprises a function which is a set of permissions on resource-action tuples.	
Fields:	**2.3.74.1 description (FI-1667)**	
	Type:	string [128]
	Default Value:	EMPTY
	2.3.74.2 isstandard (FI-1787)	
	Type:	bool (Not Modifiable)
	Default Value:	FALSE
	2.3.74.3 name (FI-1668)	
	Type:	string [128] (Unique)
	2.3.74.4 pkid (FI-1666)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.75 functionroledirgroupmap (TI-234)

Description:	Many to many relationship between FunctionRole and DirGroup	
Fields:	**2.3.75.1 fkdirgroup (FI-1671)**	
	Type:	guid (Cascade Delete)
	2.3.75.2 fkfunctionrole (FI-1670)	
	Type:	guid (Cascade Delete)
	2.3.75.3 pkid (FI-1669)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.76 functionroleresourcemap (TI-237)

Description:	Captures what roles have what permissions.
Fields:	**2.3.76.1 fkfunctionrole (FI-1681)**
	Type: guid (Cascade Delete)
	2.3.76.2 permission (FI-1683)
	Type: long
	2.3.76.3 pkid (FI-1680)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
	2.3.76.4 tkresource (FI-1682)
	Type: enum
Uniqueness:	No multicolumn uniqueness constraints

2.3.77 gatekeeper (TI-138)

Description:	Gatekeeper information in not in Device table
Fields:	**2.3.77.1 enabledevice (FI-1181)**
	Type: bool
	Default Value: TRUE
	2.3.77.2 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.
	2.3.77.3 pkid (FI-764)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Migration Source: Generated
	Remarks: Unique ID to identify a record.
	2.3.77.4 retrytimeout (FI-770)
	Type: long
	Default Value: 300
	Check Constraint: (RetryTimeout >= 30) AND (RetryTimeout <= 600)
	2.3.77.5 rrqtimetolive (FI-766)

Type:	long
Default Value:	60
Check Constraint:	(RRQTimeToLive >= 30) AND (RRQTimeToLive <= 300)

Uniqueness: No multicolumn uniqueness constraints

2.3.78 gatewaylayout (TI-178)

Description: Static table for MGCP gateway layout.
Records may be modified only by installation and/or DB triggers.

Fields:

2.3.78.1 endpointformatstring (FI-1097)

Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
Migration Source:	was ProductMGCPVicCompat.EndPointFormatString before

2.3.78.2 enum (FI-1090)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.78.3 lev1header (FI-1092)

Type:	string [255] (Not Modifiable)
Default Value:	EMPTY

2.3.78.4 lev2header (FI-1093)

Type:	string [255] (Not Modifiable)
Default Value:	EMPTY

2.3.78.5 slotposition (FI-1094)

Type:	long (Not Modifiable)
Default Value:	1

2.3.78.6 tkdeviceprotocol (FI-2171)

Type:	enum
Default Value:	12

2.3.78.7 tkmgcpslotmodule (FI-1095)

Type:	enum (Not Modifiable)
Default Value:	0

2.3.78.8 tkmgcpvic (FI-1096)

Type:	enum (Not Modifiable)
Default Value:	0

2.3.78.9 tkproduct (FI-1091)

Type:	enum (Not Modifiable)

Uniqueness: No multicolumn uniqueness constraints

2.3.79 h323device (TI-18)

Description: H.323 information not in Device table

Fields:

2.3.79.1 acceptinboundrdnis (FI-1086)

Type:	bool
Default Value:	TRUE

2.3.79.2 activecap (FI-1233)

Type:	bool
Default Value:	FALSE

2.3.79.3 calleriddn (FI-98)

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

2.3.79.4 displayie (FI-772)

Type:	bool
Default Value:	FALSE

2.3.79.5 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.

2.3.79.6 enableinboundfaststart (FI-1613)

Type:	bool
Default Value:	FALSE

2.3.79.7 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.

2.3.79.8 endpointaddress1 (FI-1101)

Type:	string [255]
Default Value:	EMPTY

2.3.79.9 endpointaddress2 (FI-1102)

Type:	string [255]
Default Value:	EMPTY

2.3.79.10 endpointaddress3 (FI-1103)

Type:	string [255]
Default Value:	EMPTY

2.3.79.11 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

2.3.79.12 fkdevice_gatekeeper (FI-771)

Type:	guid (Null OK)
Default Value:	NULL

2.3.79.13 numberie (FI-1088)

Type:	bool
Default Value:	TRUE

2.3.79.14 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

2.3.79.15 pathreplacementsupport (FI-2173)

Type:	bool
Default Value:	FALSE

2.3.79.16 pkid (FI-94)

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

2.3.79.17 prefix (FI-790)

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

2.3.79.18 runh225doneverynodeflag (FI-997)

Type:	bool
Default Value:	FALSE

2.3.79.19 sigdigits (FI-791)

Type:	bool
Default Value:	FALSE
Remarks:	Must be 1 if (NumDigits >= 0) AND (NumDigits <= 32), or 0 if (NumDigits = 99)

2.3.79.20 signalingport (FI-1231)

Type:	long

Default Value:	1720
Check Constraint:	(SignalingPort >= 1) AND (SignalingPort <= 65535)

2.3.79.21 technologyprefix (FI-1100)

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

2.3.79.22 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

2.3.79.23 tkmediapayload (FI-1614)

Type:	enum (Null OK)
Default Value:	4

2.3.79.24 tknumberingplan_called (FI-1005)

Type:	enum
Default Value:	0

2.3.79.25 tknumberingplan_calling (FI-1006)

Type:	enum
Default Value:	0

2.3.79.26 tkpresentationbit (FI-100)

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

2.3.79.27 tkpriofnumber_called (FI-1008)

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

2.3.79.28 tkpriofnumber_calling (FI-1007)

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

2.3.79.29 tkterminal (FI-1098)

Type:	enum (Null OK)
Default Value:	NULL

2.3.79.30 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

2.3.79.31 useclientconfiguration (FI-1232)

Type:	bool
Default Value:	FALSE

2.3.79.32 zone (FI-1099)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[a-zA-Z 0-9._-]{0,50}$

Uniqueness: No multicolumn uniqueness constraints

2.3.80 installmonitor (TI-212)

Description: Used to send change notification of subscriber install

Fields:

2.3.80.1 datetimestamp (FI-1409)

Type:	enum
Remarks:	Time stamp

2.3.80.2 id (FI-1407)

Type:	identity (Unique)
Remarks:	Unique orderable id.

2.3.80.3 nodename (FI-1408)

Type:	string [255] (Unique)
Default Value:	EMPTY
Remarks:	Name of Subscriber pulling subscription

2.3.80.4 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

2.3.81 ipmalineinfo (TI-244)

Description: IPMA relationship between two lines for two users

Fields:	**2.3.81.1 fkenduser (FI-1764)**
	Type: guid (Cascade Delete)
	Remarks: Asst?
	2.3.81.2 fknumplan (FI-1765)
	Type: guid (Cascade Delete)
	2.3.81.3 ikipmalineinfo (FI-1767)
	Type: guid (Null OK)
	Remarks: Manager's line
	2.3.81.4 isprimary (FI-1766)
	Type: bool
	Default Value: FALSE
	2.3.81.5 lineindex (FI-1768)
	Type: long
	Remarks: Ordering of lines.
	2.3.81.6 pkid (FI-1763)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints

2.3.82 ipmamanagerassistant (TI-242)

Description:	Relationship for IPMA between a manager and an assistant
Fields:	**2.3.82.1 fkenduser_assistant (FI-1744)**
	Type: guid (Cascade Delete)
	2.3.82.2 fkenduser_manager (FI-1743)
	Type: guid (Cascade Delete)
	2.3.82.3 pkid (FI-1742)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	Remarks: Unique ID to identify a record.
Uniqueness:	No multicolumn uniqueness constraints

2.3.83 ipmastaticdata (TI-243)

Description:	IPMA data that used to be in a BLOB

Fields:

2.3.83.1 diverttargetnumber (FI-1756)	
Type:	dn
DN Type:	DN_TYPE_ALL_DIGITS
Default Value:	EMPTY
2.3.83.2 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 "~&^"
2.3.83.3 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 "~&^"
2.3.83.4 fkdevice (FI-1747)	
Type:	guid (Cascade Delete)
2.3.83.5 fkenduser (FI-1746)	
Type:	guid (Cascade Delete)
2.3.83.6 fkenduser_defaultasst (FI-1757)	
Type:	guid (Null OK)
2.3.83.7 fknumplan_intercomdn (FI-1748)	
Type:	guid (Null OK)
2.3.83.8 fknumplan_primarydn (FI-1761)	
Type:	guid (Null OK)
2.3.83.9 mobilemanager (FI-1760)	
Type:	bool
Default Value:	FALSE
2.3.83.10 pkid (FI-1745)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.83.11 settingsdata (FI-1762)	
Type:	string [25000]
Default Value:	EMPTY
2.3.83.12 shortcutkeys (FI-1749)	
Type:	string [1024]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_`{\|}~\\-]{0,1024}$

2.3.83.13 tkipmalinemode (FI-1750)	
Type:	enum
Default Value:	1
2.3.83.14 tkipmatarget_divert (FI-1754)	
Type:	enum
Default Value:	2
Uniqueness:	No multicolumn uniqueness constraints

2.3.84 ipmauser (TI-193)

Description:	Additional IPMA information not in EndUser

Fields:

2.3.84.1 assistantwatch (FI-1191)	
Type:	bool
Default Value:	FALSE
2.3.84.2 available (FI-1190)	
Type:	bool
Default Value:	FALSE
2.3.84.3 desktopauthenticated (FI-1189)	
Type:	bool
Default Value:	FALSE
2.3.84.4 dnd (FI-1192)	
Type:	bool
Default Value:	FALSE
2.3.84.5 filter (FI-1194)	
Type:	bool
Default Value:	FALSE
2.3.84.6 filtertype (FI-1195)	
Type:	long (Null OK)
Default Value:	NULL
2.3.84.7 fkenduser (FI-1186)	
Type:	guid (Unique, Cascade Delete, Null OK)
Default Value:	NULL
Migration Source:	EndUser.pkid for userId
2.3.84.8 phoneauthenticated (FI-1188)	
Type:	bool
Default Value:	FALSE
2.3.84.9 pkid (FI-1185)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()

Remarks:	Unique ID to identify a record.
2.3.84.10 sac (FI-1193)	
Type:	bool
Default Value:	FALSE
2.3.84.11 secretkey (FI-1196)	
Type:	string [64]
Default Value:	EMPTY
2.3.84.12 selecteduserid (FI-1197)	
Type:	string [64]
Default Value:	EMPTY
2.3.84.13 usertype (FI-1187)	
Type:	long
Default Value:	0

Uniqueness:	No multicolumn uniqueness constraints

2.3.85 ldapauthentication (TI-251)

Description:	Used for authentication with Corp. Dir. Insert/Delete is not allowed.

Fields:

2.3.85.1 authenticatewithcorpdir (FI-1778)	
Type:	bool
Default Value:	FALSE
2.3.85.2 ldapdn (FI-1729)	
Type:	string [256]
Default Value:	EMPTY
2.3.85.3 ldappassword (FI-1730)	
Type:	string [128]
Default Value:	EMPTY
2.3.85.4 pkid (FI-1726)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.85.5 userbase (FI-1731)	
Type:	string [256]
Default Value:	EMPTY

Uniqueness:	No multicolumn uniqueness constraints

2.3.86 ldapauthenticationhost (TI-262)

Description:	LDAP Server host name for authentication

Fields:		
	2.3.86.1 hostname (FI-1847)	
	Type:	string [128]
	Default Value:	Host Name
	2.3.86.2 pkid (FI-1845)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.86.3 portnumber (FI-1939)	
	Type:	long
	2.3.86.4 priority (FI-1848)	
	Type:	long
	2.3.86.5 sslenabled (FI-1905)	
	Type:	bool
	2.3.86.6 tkldapprotocol (FI-1846)	
	Type:	enum (Not Modifiable)
Uniqueness:	tkldapprotocol + hostname is unique. (MFI-46)	

2.3.87 ldapfilter (TI-283)

Description:	LDAP Filter	
Fields:	**2.3.87.1 filter (FI-1995)**	
	Type:	string [256]
	Default Value:	EMPTY
	2.3.87.2 pkid (FI-1993)	
	Type:	guid (Unique, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.87.3 tkldapserver (FI-1994)	
	Type:	enum
	Default Value:	1
Uniqueness:	No multicolumn uniqueness constraints	

2.3.88 ldapserverattribute (TI-267)

Description:	Prepopulated ldap attribute names for each server type

Fields:	**2.3.88.1 dirobjectname (FI-1898)**	
	Type:	string [128] (Null OK)
	2.3.88.2 pkid (FI-1961)	
	Type:	guid (Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.88.3 tkldapserver (FI-1896)	
	Type:	enum
	2.3.88.4 tkldapserverattr (FI-1897)	
	Type:	enum
Uniqueness:	No multicolumn uniqueness constraints	

2.3.89 ldapsystemconfig (TI-274)

Description:	LDAP System Config Insert/Delete is not allowed.	
Fields:	**2.3.89.1 pkid (FI-1963)**	
	Type:	guid (Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.89.2 syncenabled (FI-1944)	
	Type:	bool
	Default Value:	0
	Remarks:	Indicates whether plugin is enabled
	2.3.89.3 tkldapserver (FI-1943)	
	Type:	enum (Null OK)
	Default Value:	1
	2.3.89.4 useridattributename (FI-1941)	
	Type:	string [64]
	Default Value:	None
	Remarks:	Attribute name to be used for Userid
Uniqueness:	No multicolumn uniqueness constraints	

2.3.90 licensedistributionused (TI-362)

Description:	Contains information about license units distributed and license units checked out to each license server for each feature

Fields:

2.3.90.1 distributedlicenseunits (FI-2683)

Type:	long
Default Value:	0
Remarks:	Number of license units available on each license server for each feature.

Rule (RI-298):

Type:	Validation (Delete)
Rule Name:	Cannot delete distributed or used License Units
Description:	If there are distributed or used licences on a licensing server, the license distribution used records cannot be deleted. As a result, the License Server (and it's process node) also cannot be deleted.
Test Condition:	IF (LicenseDistributionUsed.DistributedLicenseUnits <> 0) OR (LicenseDistributionUsed.UsedLicenseUnits <> 0) THEN throw exception
Error Message:	Cannot delete a License Distrubution Used records while units are used or distributed.
Remedy:	Remove the used or distributed license units and try again.

2.3.90.2 fklicenseserver (FI-2681)

Type:	guid (Cascade Delete)

2.3.90.3 pkid (FI-2680)

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

2.3.90.4 tklicensefeature (FI-2682)

Type:	enum

2.3.90.5 usedlicenseunits (FI-2694)

Type:	long
Default Value:	0
Remarks:	Cumulative license units checked out from each license server.

Rule (RFI-133):

Type:	Inter-field Condition and Constraint
Test Condition:	UsedLicenseUnits <= DistributedLicenseUnits
Constraint:	
Remarks:	Used licenses can never exceed distributed (allocated) licenses

Rule (RI-298):

Type:	Validation (Delete)
Rule Name:	Cannot delete distributed or used License Units
Description:	If there are distributed or used licences on a licensing server, the license distribution used records cannot be deleted. As a result, the License Server (and it's process node) also cannot be deleted.
Test Condition:	IF (LicenseDistributionUsed.DistributedLicenseUnits <> 0) OR (LicenseDistributionUsed.UsedLicenseUnits <> 0) THEN throw exception
Error Message:	Cannot delete a License Distrubution Used records while units are used or distributed.
Remedy:	Remove the used or distributed license units and try again.

Uniqueness: No multicolumn uniqueness constraints

2.3.91 licenseinfo (TI-394)

Description: Licenseing acccounting for a server for a partincular fearture

Fields:

2.3.91.1 fklicenseserver (FI-2939)

Type: guid

2.3.91.2 licenseunits (FI-2941)

Type: long

Default Value: 0

Remarks: Number of license units available on each license server for each feature.

2.3.91.3 licfileid (FI-3051)

Type: string [50]

Default Value: EMPTY

Remarks: identifer of license file. example 20050826140539162

2.3.91.4 licfileversion (FI-3052)

Type: string [10]

Default Value: EMPTY

Remarks: version of license file. example 1.0

2.3.91.5 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

2.3.91.6 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

2.3.91.7 overdraftunits (FI-2942)

Type: long

Default Value: 0

2.3.91.8 pkid (FI-2938)

Type: guid (Unique, Indexed, Not Modifiable)

Default Value: newid()

2.3.91.9 tklicensefeature (FI-2940)

Type: enum (Not Modifiable)

2.3.91.10 version (FI-2944)

Type: string [50] (Not Modifiable)

Default Value: EMPTY

Uniqueness: No multicolumn uniqueness constraints

2.3.92 licenseserver (TI-359)

Description: The prioritized list of license servers is specified in this table

Fields:

2.3.92.1 description (FI-2983)

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

2.3.92.2 fkprocessnode (FI-2982)

Type:	guid (Indexed, Cascade Delete)
Remarks:	associated processnode to license server

2.3.92.3 name (FI-2669)

Type:	string [255] (Unique, Indexed)
Remarks:	Could be hostname or ip address

2.3.92.4 pkid (FI-2668)

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

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

2.3.92.5 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

2.3.93 linegroup (TI-203)

Description: Used by Route/Hunt Lists

Fields:

2.3.93.1 name (FI-1354)

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

2.3.93.2 pkid (FI-1352)

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

2.3.93.3 rnareversiontimeout (FI-1353)

Type:	long
Default Value:	10
Check Constraint:	(rnaReversionTimeout >= 0) AND (rnaReversionTimeout <= 120)
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. value of 0 means disabled.

2.3.93.4 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.

2.3.93.5 tkhuntalgorithm_busy (FI-1628)

Type:	enum
Default Value:	1

2.3.93.6 tkhuntalgorithm_down (FI-1629)

Type:	enum
Default Value:	1

2.3.93.7 tkhuntalgorithm_rna (FI-1627)

Type:	enum
Default Value:	1

Uniqueness: No multicolumn uniqueness constraints

2.3.94 linegroupnumplanmap (TI-202)

Description: Maps Line Groups to NumPlans to be used by Route/Hunt Lists

Fields:

2.3.94.1 fklinegroup (FI-1357)

Type:	guid (Cascade Delete)

2.3.94.2 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:	?

2.3.94.3 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.

2.3.94.4 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)

2.3.95 location (TI-111)

Description: Location to specify the number/combined size of calls within a zone

Fields:

2.3.95.1 fkmatrix (FI-2576)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Pkid of Matrix record for RSVP Policy

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-249):

Type:	Active (Delete)
Rule Name:	BeforeDelLocation
Description:	Before deleting from Location delete the corresponding fkMatrix from Matrix table
Test Condition:	?
Error Message:	?
Remedy:	?

2.3.95.2 id (FI-760)

Type:	long (Unique, Not Modifiable)

Rule (RI-114):

Type:	Active (Insert/Update/Delete records)
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)
Rule Name:	location ID
Description:	on insert to location table, ID to be auto generated
Test Condition:	insert location

Rule (RI-303):

Type:	Active (Insert) This field is modified by this rule.
Rule Name:	location ID
Description:	on insert to location table, ID to be auto generated
Test Condition:	insert location

2.3.95.3 isstandard (FI-2887)

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

2.3.95.4 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.

2.3.95.5 name (FI-595)

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

2.3.95.6 pkid (FI-593)

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

2.3.95.7 resynctoggle (FI-3148)

Type:	bool
Default Value:	FALSE
Remarks:	Should this location be resyced

2.3.95.8 videokbits (FI-1228)

Type:	long
Default Value:	384
Check Constraint:	(videoKBits >= -1) AND (videoKBits <= 9999)
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.

Uniqueness: No multicolumn uniqueness constraints

Rules:

Rule (RI-114):

Type:	Active (Insert/Update/Delete records) Rule applied when record is inserted.
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

2.3.96 matrix (TI-318)

Description:	Generic Matrix Table
Fields:	

2.3.96.1 description (FI-2374)

Type:	string [100] (Null OK)
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,100}$
Remarks:	Description of the matrix record

2.3.96.2 ikmatrix (FI-2577)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Pkid of Matrix record for chaining.

2.3.96.3 isstandard (FI-2750)

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

2.3.96.4 name (FI-2373)

Type:	string [50]
Validation:	^[a-zA-Z 0-9._-]{1,50}$
Remarks:	A name to identify the record

2.3.96.5 pkid (FI-2372)

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

2.3.96.6 tkmatrix (FI-2375)

Type:	enum (Indexed, Not Modifiable)
Remarks:	Type of Matrix record

Uniqueness:	name + tkmatrix is unique. (MFI-86)

2.3.97 matrixmember (TI-320)

Description:	Member records for Matrix
Fields:	

2.3.97.1 fkmatrix_1 (FI-2380)

Type:	guid (Cascade Delete)
Remarks:	Pkid of Matrix record

2.3.97.2 fkmatrix_2 (FI-2381)

Type:	guid (Cascade Delete)
Remarks:	Pkid of Matrix related record

2.3.97.3 pkid (FI-2379)

Type:	guid (Unique, Indexed, Not Modifiable)

Default Value:	newid()
Remarks:	Unique key

2.3.97.4 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:	?

2.3.98 mediamixer (TI-22)

Description: Software conference bridge device settings

Fields:

2.3.98.1 basemulticastaddress (FI-223)

Type:	string [15]
Default Value:	EMPTY
Migration Source:	BaseMulticastAddress

2.3.98.2 basemulticastport (FI-224)

Type:	long (Null OK)
Default Value:	NULL
Migration Source:	BaseMulticastPort

2.3.98.3 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:	MediaMixer.fkDevice IN (SELECT pkid FROM Device WHERE tkProduct IN (SELECT tkProduct FROM ProductSupportsFeature WHERE tkSupportsFeature = 14))
Error Message:	MediaMixer table may only reference Media Resource devices.
Remedy:	Correct the fkDevice value to refer to a Media Resource device.

2.3.98.4 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.

2.3.98.5 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

2.3.99 mediaresourcegroup (TI-151)

Description: A group of media resources to be used by a device

Fields:

2.3.99.1 description (FI-858)

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

2.3.99.2 multicast (FI-956)

Type:	bool
Remarks:	Whether to use multicast for Music On Hold Audio.

2.3.99.3 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:	?

2.3.99.4 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:	?

2.3.99.5 resettoggle (FI-3094)

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

2.3.99.6 tkreset (FI-3095)

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

Uniqueness: No multicolumn uniqueness constraints

2.3.100 mediaresourcegroupmember (TI-152)

Description: Ties devices to Media Resource Groups

Fields:

2.3.100.1 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:	MediaResourceGroupMember.fkDevice IN (SELECT pkid FROM Device WHERE tkProduct IN (SELECT tkProduct FROM ProductSupportsFeature WHERE tkSupportsFeature = 14))
	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.

2.3.100.2 fkmediaresourcegroup (FI-861)

Type:	guid (Cascade Delete)

2.3.100.3 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)

2.3.101 mediaresourcelist (TI-153)

Description:	A list of MediaResourceGroups to be used by a device

Fields:

2.3.101.1 clause (FI-869)

Type:	memo (Not Modifiable, Null OK)
Default Value:	NULL
Remarks:	Trigger updated. Colon separated list.

2.3.101.2 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.

2.3.101.3 pkid (FI-863)

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

2.3.101.4 resettoggle (FI-3092)

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

2.3.101.5 tkreset (FI-3093)

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

Uniqueness:	No multicolumn uniqueness constraints

2.3.102 mediaresourcelistmember (TI-154)

Description:	Ties Media Resource Groups to Media Resource Lists

Fields:

2.3.102.1 fkmediaresourcegroup (FI-867)

Type:	guid (Cascade Delete)
Remarks:	Media resource group that belongs to this Media Resource Group List.

2.3.102.2 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:	?

2.3.102.3 pkid (FI-865)

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

2.3.102.4 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)

2.3.103 mgcp (TI-102)

Description: MGCP device information sometimes refered to as box level information

Fields:

2.3.103.1 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.

2.3.103.2 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 + "')"

2.3.103.3 fkcallmanagergroup (FI-924)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Cisco Unified CallManager redundancy group.

2.3.103.4 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 + "')"

2.3.103.5 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

2.3.103.6 scratch (FI-689)

Type:	string [50]
Default Value:	EMPTY
Remarks:	Used to store temporary info for GUI

2.3.103.7 specialloadinformation (FI-1184)

Type:	string [32] (Null OK)
Default Value:	NULL

2.3.103.8 tkclass (FI-2648)

Type:	enum (Not Modifiable)
Default Value:	2

2.3.103.9 tkdeviceprotocol (FI-2175)

Type:	enum
Default Value:	12

2.3.103.10 tkproduct (FI-798)

Type:	enum (Null OK)
Default Value:	43

2.3.103.11 tkreset (FI-3109)

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

2.3.103.12 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

2.3.103.13 xml (FI-934)

Type:	string [32000] (Null OK)
Default Value:	NULL
Remarks:	Product configuration XML not used by Cisco Unified CallManager

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

2.3.104 mgcpdevicemember (TI-103)

Description: Relationships between MGCP and Devices.

Fields:

2.3.104.1 fkdevice (FI-482)

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 (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

2.3.104.2 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 (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

2.3.104.3 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

2.3.104.4 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 (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

2.3.104.5 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 (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

2.3.104.6 subunit (FI-691)

Type:	long (Null OK)
Default Value:	NULL

Rule (RI-173):	Type:	Active (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)	

2.3.105 mgcpslotconfig (TI-143)

Description: Used by the GUI to show slots and VIC configurations for MGCP devices.

Fields:

2.3.105.1 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) ;]

2.3.105.2 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.

2.3.105.3 pkid (FI-799)

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

2.3.105.4 slot (FI-800)

Type:	long
Default Value:	0

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.

2.3.105.5 subunit (FI-801)

Type:	long (Null OK)
Default Value:	NULL

2.3.105.6 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.

2.3.105.7 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

2.3.106 mlaparameter (TI-221)

Description:	Configuration parameters for MultiLevelAdmin
Fields:	

2.3.106.1 name (FI-1439)

Type:	string [50] (Unique)

2.3.106.2 pkid (FI-1438)

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

2.3.106.3 value (FI-1440)

Type:	string [128]
Default Value:	EMPTY

Uniqueness:	No multicolumn uniqueness constraints

2.3.107 mlppdomain (TI-277)

Description:	Domains for Mlpp
Fields:	

2.3.107.1 id (FI-1953)

Type:	string [6] (Unique)
Default Value:	EMPTY
Validation:	^[0-9a-fA-F]{6}$
Remarks:	hex identity of domain

2.3.107.2 name (FI-1952)

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

2.3.107.3 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

2.3.107.4 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.

2.3.107.5 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

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.

2.3.108 modelfeaturemap (TI-84)

Description:	All feature types allowed for a particular model Records may be modified only by installation and/or DB triggers.

Fields:

2.3.108.1 enum (FI-648)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	Used for primary key so can be replicated by SQL
2.3.108.2 tkdeviceprotocol (FI-2616)	
Type:	enum
Default Value:	99
2.3.108.3 tkfeature (FI-284)	
Type:	enum (Not Modifiable)
Migration Source:	prepopulated
2.3.108.4 tkmodel (FI-285)	
Type:	enum (Not Modifiable)
Migration Source:	prepopulated

Uniqueness:	No multicolumn uniqueness constraints

2.3.109 mohaudiosource (TI-149)

Description:	information on sources for music for Music on Hold

Fields:

2.3.109.1 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.

2.3.109.2 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.

2.3.109.3 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: ?

2.3.109.4 name (FI-846)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[a-zA-Z 0-9._-]{1,50}$

2.3.109.5 pkid (FI-844)

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

2.3.109.6 repeat (FI-873)

Type:	bool
Default Value:	0

2.3.109.7 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)

2.3.109.8 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

2.3.110 mohserver (TI-148)

Description: Music on Hold server information

Fields:

2.3.110.1 fixedaudiosourceid (FI-843)

Type:	string [255]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_`{\|}~\\-]{0,255}$
Remarks:	1-1000

2.3.110.2 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)

2.3.110.3 maxmulticaststreams (FI-931)

Type:	long
Default Value:	250000
Check Constraint:	(MaxMulticastStreams >= 1) AND (MaxMulticastStreams <= 999999)

2.3.110.4 maxunicaststreams (FI-841)

Type:	long
Default Value:	250
Check Constraint:	(MaxUnicastStreams >= 0) AND (MaxUnicastStreams <= 500)

2.3.110.5 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:	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)

2.3.110.6 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:	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)

2.3.110.7 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)

2.3.110.8 pkid (FI-840)

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

2.3.110.9 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

2.3.111 mohservermulticastinfo (TI-150)

Description: ties multicast MOHAudioSources to MOHServers

Fields:

2.3.111.1 fkdevice (FI-851)

Type: guid (Cascade Delete, Not Modifiable)

2.3.111.2 maxhops (FI-855)

Type:	long
Default Value:	2
Check Constraint:	(MaxHops >= 1) AND (MaxHops <= 127)

2.3.111.3 mohaudiosourceid (FI-852)

Type:	long (Not Modifiable)
Check Constraint:	(MOHAudioSourceID >= 1) AND (MOHAudioSourceID <= 51)

2.3.111.4 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.

2.3.111.5 multicastport (FI-854)

Type:	long (Not Modifiable)
Default Value:	0

2.3.111.6 pkid (FI-850)

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

2.3.111.7 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)

2.3.112 nsfinformationelement (TI-192)

Description: For ISDN Network Specific Facilities information elements

Fields:

2.3.112.1 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.

2.3.112.2 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:	CSCeg55488: if the record is removed, set the withTag and withValueClause to the empty string
	Test Condition:	?
	Error Message:	?
	Remedy:	?

2.3.112.3 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.

2.3.112.4 pkid (FI-1172)

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

2.3.112.5 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.

2.3.112.6 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

2.3.113 nsfprotocolservicemap (TI-191)

Description:	Map NSF services to NSF supported Pri Protocols Records may be modified only by installation and/or DB triggers.

Fields:

2.3.113.1 cicvalidation (FI-3048)

Type:	string [255] (Not Modifiable)

2.3.113.2 enum (FI-1169)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.113.3 paramvaluevalidation (FI-3049)

Type:	string [255] (Not Modifiable)

2.3.113.4 tknsfservice (FI-1171)

Type:	enum (Not Modifiable)

2.3.113.5 tkpriprotocol (FI-1170)

Type:	enum (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.114 ntpserver (TI-315)

Description:	Servers to get time value from

Fields:

2.3.114.1 description (FI-2354)

Type:	string [100]
Default Value:	EMPTY
Remarks:	Description of NTP Server

2.3.114.2 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

2.3.114.3 pkid (FI-2352)

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

Rule (RI-328):

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

2.3.114.4 tkzzntpmode (FI-3063)

Type:	enum
Default Value:	3
Remarks:	NTP Mode

Uniqueness:	No multicolumn uniqueness constraints

2.3.115 ntpserverdatetimesettingmap (TI-316)

Description:	Mapping between NTP Server and DateTimeSetting

Fields:

2.3.115.1 fkdatetimesetting (FI-2357)

Type:	guid (Cascade Delete)
Remarks:	pkid of DateTimeSetting

2.3.115.2 fkntpserver (FI-2356)

Type:	guid (Cascade Delete)
Remarks:	pkid of NTP Server record

2.3.115.3 pkid (FI-2355)

Type:	guid (Unique, Indexed, Not Modifiable)

Default Value:	newid()
Remarks:	Unique key
Rule (RI-329):	Type: Active (Insert/Update) Rule Name: ntpserverdatetimesettingmap versionstamp Description: on change to anything in ntpserverdatetimesettingmap, update versionstamp in devicepool table Test Condition: update ntpserverdatetimesettingmap

2.3.115.4 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)

2.3.116 numplan (TI-24)

Description: List of all directory numbers and patterns

Fields:

2.3.116.1 alertingname (FI-2176)

Type:	string [50]
Default Value:	EMPTY

2.3.116.2 alertingnameascii (FI-2932)

Type:	string [30]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{0,50}$
Migration Source:	Alerting Name.label if all chars are less than 127
Remarks:	This is same as Alerting Name if all characters are ASCII.

2.3.116.3 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.

2.3.116.4 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

2.3.116.5 authorizationlevelrequired (FI-2319)

Type:	long
Default Value:	0
Check Constraint:	(AuthorizationLevelRequired >=0) AND (AuthorizationLevelRequired <=255)
Remarks:	Configurable with AuthorizationRequired checked

2.3.116.6 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) Constraint: BlockEnable = 'f' Remarks: Block enable allowed only for Route and Translation

2.3.116.7 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 != 3 AND tkPatternUsage != 5 AND tkPatternUsage != 7 Constraint: CalledPartyTransformationMask IS NULL Null Allowed: Null is required Remarks: CalledPartyTransformationMask is set only for Route and Translation Patterns

2.3.116.8 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 != 3 AND tkPatternUsage != 5 Constraint: CallForwardExpansionMask IS NULL Null Allowed: Null is required Remarks: CallForwardExpansionMask is set only for Route and Translation Patterns

2.3.116.9 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) Constraint: CallingPartyPrefixDigits IS NULL Null Allowed: Null is required Remarks: CallingPartyPrefixDigits is set only for Route and Translation Patterns

2.3.116.10 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) Constraint: CallingPartyTransformationMask IS NULL Null Allowed: Null is required Remarks: CallingPartyTransformationMask is set only for Route and Translation Patterns

2.3.116.11 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)
Rule (RFI-22):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage != 2 AND tkPatternUsage != 11 Constraint: CFADestination IS NULL Null Allowed: Null is required Remarks: CFADestination is set only for Directory Numbers

2.3.116.12 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 is required Remarks: CFAPTDestination is set only for Directory Numbers

2.3.116.13 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 is required Remarks: CFAPTDuration is set only for Directory Numbers

2.3.116.14 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

2.3.116.15 cfavoicemailenabled (FI-1080)

Type:	bool

Default Value:	FALSE	
Rule (RFI-26):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 11
	Constraint:	CFAVoiceMailEnabled = 'f'
	Remarks:	CFAVoiceMailEnabled is TRUE only for Directory Numbers

2.3.116.16 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 != 11
	Constraint:	CFBDestination IS NULL
	Null Allowed:	Null is required
	Remarks:	CFBDestination is set only for Directory Numbers

2.3.116.17 cfbintdestination (FI-2320)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#X]{0,50}$

2.3.116.18 cfbintvoicemailenabled (FI-2321)

Type:	bool
Default Value:	FALSE

2.3.116.19 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

2.3.116.20 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

2.3.116.21 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 != 11
	Constraint:	CFNADestination IS NULL
	Null Allowed:	Null is required
	Remarks:	CFNADestination is set only for Directory Numbers

2.3.116.22 cfnaduration (FI-1337)

Type:	long (Null OK)
Default Value:	NULL
Check Constraint:	(CFNADuration >= 1) AND (CFNADuration <= 300)

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 is required
	Remarks:	CFNADuration is set only for Directory Numbers

2.3.116.23 cfnaintdestination (FI-2322)

Type:	dn (Null OK)
DN Type:	DN_TYPE_MASK
Default Value:	NULL
Validation:	^[0-9*#X]{0,50}$

2.3.116.24 cfnaintvoicemailenabled (FI-2323)

Type:	bool
Default Value:	FALSE

2.3.116.25 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

2.3.116.26 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

2.3.116.27 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

2.3.116.28 description (FI-1203)

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

2.3.116.29 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 is required
	Remarks:	DeviceFailureDN is set only for Directory Numbers

2.3.116.30 deviceoverride (FI-2517)

Type:	bool
Default Value:	FALSE
Remarks:	Used to denote if RP associated can be overridden

2.3.116.31 dialplanwizardgenid (FI-680)

Type:	long (Indexed, Null OK)
Default Value:	NULL

Remarks:	This record created by DialPlanWizard

2.3.116.32 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
Constraint:	
Validation:	^[]0-9*#X[^-]{1,50}$
Remarks:	Call Park Number Number Invalid. Accepts numbers, X, and the following:*#[]^-

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: []*#^-

Rule (RFI-68):

Type:	Inter-field Condition and Constraint
Test Condition:	tkPatternUsage = 2
Constraint:	
Validation:	^[]0-9*#X[^+?!-]{1,50}$
Remarks:	Device Directory Number Invalid. Accepts numbers, X, and the following: *#[]^+?!-

Rule (RFI-69):

Type:	Inter-field Condition and Constraint
Test Condition:	tkPatternUsage = 3
Constraint:	
Validation:	^[]0-9A-D*#X[^+?.@!-]{0,50}$
Remarks:	Translation Pattern Invalid: Accepts numbers, X, and the following: *#[]^+?.@!-

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.

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: *#[]^+?.@!-
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: *#[]^+?!-
Rule (RFI-73):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 7
	Constraint:	
	Validation:	^[]0-9A-D*#X[^+?.@!-]{1,50}$
	Remarks:	Hunt Pilot Invalid. Accepts numbers, X, letters A,B,C,D and the following: *#[]^+?.@!-
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
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 Route and Translation Patterns that do not have @ or . in the pattern
Rule (RFI-131):	Type:	Inter-field Condition and Constraint
	Test Condition:	fkDialPlan IS NULL AND tkPatternUsage IN (3, 5, 7)
	Constraint:	(DNOrPattern NOT LIKE '%@%') AND (DNOrPattern NOT LIKE '%.%')
	Remarks:	Dial Plan is required for non-SIP Route and Translation Patterns that have @ or . in the pattern

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 there is no Partition specified (for empty Translation Pattern)
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 Unified 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

2.3.116.33 fkaarneighborhood (FI-1119)

Type:	guid (Null OK)
Default Value:	NULL

2.3.116.34 fkcallingsearchspace_cfa (FI-637)

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

Rule (RFI-34):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 2 AND tkPatternUsage != 11
	Constraint:	fkCallingSearchSpace_CFA IS NULL
	Null Allowed:	Null is required
	Remarks:	CallingSearchSpace_CFA is required only for Directory Numbers

2.3.116.35 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 is required
	Remarks:	CallingSearchSpace_CFAPT is required only for Directory Numbers

2.3.116.36 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 is required
	Remarks:	CallingSearchSpace_CFB is required only for Directory Numbers

2.3.116.37 fkcallingsearchspace_cfbint (FI-2326)

Type:	guid (Null OK)
Default Value:	NULL

2.3.116.38 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 is required
	Remarks:	CallingSearchSpace_CFNA is required only for Directory Numbers

2.3.116.39 fkcallingsearchspace_cfnaint (FI-2468)

Type:	guid (Null OK)

2.3.116.40 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 is required
	Remarks:	CallingSearchSpace_DeviceFailure is required only for Directory Numbers

2.3.116.41 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 is required
	Remarks:	CallingSearchSpace_MWI is required only for Message Waiting Indicators

2.3.116.42 fkcallingsearchspace_pff (FI-2327)

Type:	guid (Null OK)
Default Value:	NULL

2.3.116.43 fkcallingsearchspace_pffint (FI-2328)

Type:	guid (Null OK)
Default Value:	NULL

2.3.116.44 fkcallingsearchspace_reroute (FI-2400)

Type:	guid (Not Modifiable, Null OK)
Default Value:	NULL
Remarks:	NOT USED TODAY - Called Redirect CallingSearchSpace on admin

2.3.116.45 fkcallingsearchspace_scfa (FI-2765)

Type:	guid (Null OK)
Default Value:	NULL
Migration Source:	from CSSforCFA Clause
Remarks:	Secondary Call Forward All

2.3.116.46 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)
Constraint:	fkCallingSearchSpace_SharedLineAppear IS NULL
Null Allowed:	Null is required
Remarks:	CallingSearchSpace_SharedLineAppear is required only for Directory Numbers

2.3.116.47 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 != 3
Constraint:	fkCallingSearchSpace_Translation IS NULL
Null Allowed:	Null is required
Remarks:	CallingSearchSpace_Translation is required only for Translation Patterns

2.3.116.48 fkcallmanager (FI-1889)

Type:	guid (Null OK)
Default Value:	NULL
Remarks:	Pointer to Cisco Unified CallManager associated with callpark

Rule (RFI-1):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage = 0
	Constraint:	fkCallManager IS NOT NULL
	Null Allowed:	Null is not allowed
	Remarks:	Cisco Unified CallManager required for Call Park
Rule (RFI-2):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 0
	Constraint:	fkCallManager IS NULL
	Null Allowed:	Null is required
	Remarks:	Cisco Unified 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 is required
	Remarks:	Cisco Unified CallManager is required only for Call Park

2.3.116.49 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 != 3 AND tkPatternUsage != 5 AND tkPatternUsage != 7
	Constraint:	fkDialPlan IS NULL
	Null Allowed:	Null is required
	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.

2.3.116.50 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 != 3 AND tkPatternUsage != 5 AND tkPatternUsage != 7
	Constraint:	fkDigitDiscardInstruction IS NULL
	Null Allowed:	Null is required
	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.

2.3.116.51 fkmatrix_presence (FI-2401)

Type:	guid

Default Value:	ad243d17-98b4-4118-8feb-5ff2e1b781ac
Remarks:	Pkid for Presence Group Matrix record

2.3.116.52 fkroutefilter (FI-187)

Type:	guid (Null OK)
Default Value:	NULL
Migration Source:	convert from WhereID
Remarks:	used only if pattern contains an @

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.

2.3.116.53 fkroutepartition (FI-177)

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

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:	?

2.3.116.54 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 is required
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 is not allowed
	Remarks:	No Voicemail required for VM Port DN

2.3.116.55 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:	?

2.3.116.56 ismessagewaitingon (FI-2480)

Type:	bool
Default Value:	FALSE

2.3.116.57 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 is required Remarks: NetworkHoldMOHAudioSourceID is set only for Directory Numbers

2.3.116.58 outsidedialtone (FI-2516)

Type:	bool
Default Value:	FALSE
Remarks:	Dialtone associated with Gateways etc.

2.3.116.59 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 = 3 Constraint: PatternUrgency = 't' Remarks: PatternUrgency always TRUE for Translation Pattern
Rule (RFI-50):	Type: Inter-field Condition and Constraint Test Condition: tkPatternUsage != 3 AND tkPatternUsage != 5 AND tkPatternUsage != 7 Constraint: PatternUrgency = 'f' Remarks: PatternUrgency always FALSE for if not Route or Translation Pattern

2.3.116.60 personalroutingenabled (FI-907)

Type:	bool
Default Value:	FALSE

2.3.116.61 pff_cfb (FI-2329)

Type:	bool
Default Value:	FALSE

2.3.116.62 pff_cfna (FI-2330)

Type:	bool
Default Value:	FALSE

2.3.116.63 pffdestination (FI-2331)

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

2.3.116.64 pffintdestination (FI-2332)

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

2.3.116.65 pffintvoicemailenabled (FI-2333)

Type:	bool
Default Value:	FALSE

2.3.116.66 pffvoicemailenabled (FI-2334)

Type:	bool
Default Value:	FALSE

2.3.116.67 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-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-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

2.3.116.68 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 != 3 AND tkPatternUsage != 5 AND tkPatternUsage != 7
	Constraint:	PrefixDigitsOut IS NULL
	Null Allowed:	Null is required
	Remarks:	PrefixDigitsOut is set only for Route and Translation Patterns

2.3.116.69 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

2.3.116.70 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

2.3.116.71 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
	Constraint:	tkAutoAnswer = 0
	Remarks:	AutoAnswer = 0 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.

2.3.116.72 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 is required
	Remarks:	Mixer is set only for Conference Numbers

2.3.116.73 tknetworklocation (FI-188)

Type:	enum
Default Value:	0
Migration Source:	NetworkLocation

Rule (RFI-56):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 3 AND tkPatternUsage != 5 AND tkPatternUsage != 7
	Constraint:	tkNetworkLocation = 0
	Remarks:	Only Route or Translation Pattern can be off-net (1)

2.3.116.74 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) Constraint: tkPatternPrecedence = 5 Remarks: MLPP Pattern Precedence can be other than Default (5) only for Route Patterns, Translation Patterns, and Hunt Pilots

2.3.116.75 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-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 Unified 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

2.3.116.76 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)
	Constraint:	tkPresentationBit_CallingLine = 0
	Remarks:	PresentationBit_CallingLine = 0 only for Route and Translation Patterns

2.3.116.77 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)
	Constraint:	tkPresentationBit_CallingName = 0
	Remarks:	PresentationBit_CallingName = 0 only for Route and Translation Patterns

2.3.116.78 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)
	Constraint:	tkPresentationBit_ConnectedLine = 0
	Remarks:	PresentationBit_ConnectedLine = 0 only for Route and Translation Patterns

2.3.116.79 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)
	Constraint:	tkPresentationBit_ConnectedName =0
	Remarks:	PresentationBit_ConnectedName = 0 only for Route and Translation Patterns

2.3.116.80 tkreleasecausevalue (FI-1341)

Type:	enum
Default Value:	0

Rule (RFI-62):	Type:	Inter-field Condition and Constraint
	Test Condition:	tkPatternUsage != 3 AND tkPatternUsage != 5 AND tkPatternUsage != 7
	Constraint:	tkReleaseCauseValue = 0
	Remarks:	ReleaseCauseValue = 0 only for Route and Translation Patterns

2.3.116.81 tkreset (FI-3079)

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

2.3.116.82 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) Constraint: tkStatus_useFullyQualCallingPartyNum = 2 Remarks: Must use default for non-route/translation patterns

2.3.116.83 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 is required Remarks: UserHoldMOHAudioSourceID is required only for Directory Numbers

2.3.116.84 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 is required Remarks: withTag should be non-empty only for Route and Translation Patterns

2.3.116.85 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 is required 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

2.3.117 numplanappservermap (TI-389)

Description:	Which App servers service which DN(s)

Fields:	**2.3.117.1 content (FI-2892)**
	Type: text (Null OK)
	2.3.117.2 fkappserver (FI-2891)
	Type: guid (Cascade Delete)
	2.3.117.3 fknumplan (FI-2890)
	Type: guid (Cascade Delete)
	2.3.117.4 pkid (FI-2889)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
Uniqueness:	No multicolumn uniqueness constraints

2.3.118 numplandynamic (TI-334)

Description:	Separate MWI from NumPlan
Fields:	**2.3.118.1 fknumplan (FI-2482)**
	Type: guid (Cascade Delete)
	2.3.118.2 pkid (FI-2479)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	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
	2.3.118.3 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 Cisco Unified CallManager.
Uniqueness:	No multicolumn uniqueness constraints

2.3.119 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:	**2.3.119.1 pkid (FI-2960)**
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
Uniqueness:	No multicolumn uniqueness constraints

2.3.120 patternparametermap (TI-322)

Description: Pattern Parameter Map

Fields:

2.3.120.1 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.

2.3.120.2 pkid (FI-2402)

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

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

2.3.120.3 selectionorder (FI-2405)

Type:	long (Null OK)
Default Value:	0

2.3.120.4 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.

2.3.120.5 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

2.3.121 personaladdressbook (TI-245)

Description: Users keep their contacts here for Personal Address Book/TabSync

Fields:

2.3.121.1 email (FI-1700)

Type:	string [255]
Default Value:	EMPTY
Validation:	^[0-9A-Za-z@_.]{0,255}$

2.3.121.2 firstname (FI-1697)

Type:	string [50]
Default Value:	EMPTY

2.3.121.3 fkenduser (FI-1696)

Type:	guid (Cascade Delete)

2.3.121.4 lastname (FI-1698)

Type:	string [50]
Default Value:	EMPTY

2.3.121.5 nickname (FI-1701)

Type:	string [50]

2.3.121.6 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.

2.3.122 personalphonebook (TI-246)

Description:	Users keep their DNs here for Personal Address Book/TabSync

Fields:

2.3.122.1 fkenduser (FI-1703)

Type:	guid (Cascade Delete)	
Rule (RI-125):	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 between 1 and 99. 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 between 1 and 99 that is not already being used and try again.
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:	doBeforeUpdPersonalPhoneBookRules
Description:	Before insert/update if there is a record with same fkenduser and personalfastdialindex we cannot insert/update another record
Test Condition:	?
Error Message:	?
Remedy:	?

2.3.122.2 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 is not allowed
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 is required
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.

2.3.122.3 personalfastdialindex (FI-1779)

Type:	long
Default Value:	0
Check Constraint:	(personalFastDialIndex >= 0) AND (personalFastDialIndex <= 500)

Rule (RI-125):	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 between 1 and 99. 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 between 1 and 99 that is not already being used and try again.

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:	doBeforeUpdPersonalPhoneBookRules
	Description:	Before insert/update if there is a record with same fkenduser and personalfastdialindex we cannot insert/update another record
	Test Condition:	?
	Error Message:	?
	Remedy:	?

2.3.122.4 phonenumber (FI-1706)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[0-9 ()#*.-]{0,50}$

2.3.122.5 pkid (FI-1702)

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

Rule (RI-125):	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 between 1 and 99. 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 between 1 and 99 that is not already being used and try again.

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:	doBeforeUpdPersonalPhoneBookRules
	Description:	Before insert/update if there is a record with same fkenduser and personalfastdialindex we cannot insert/update another record
	Test Condition:	?
	Error Message:	?
	Remedy:	?

2.3.122.6 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

2.3.123 phonebutton (TI-25)

Description:	Individual button specification for a phone button template Insert/Delete is not allowed.

Fields:

2.3.123.1 buttonnum (FI-251)

Type:	long
Migration Source:	ButtonNum

2.3.123.2 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.

2.3.123.3 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.

2.3.123.4 label (FI-253)

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

2.3.123.5 paramn1 (FI-254)

Type:	long (Null OK)
Default Value:	NULL
Migration Source:	ParamN1
Remarks:	optional parameter is feature dependant
Rule (RFI-79):	

Type:	Inter-field Condition and Constraint
Test Condition:	IsFixedFeature = 't'
Constraint:	
Restriction:	Not Modifiable
Remarks:	Cannot change fixed feature button

2.3.123.6 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

2.3.123.7 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

2.3.123.8 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

2.3.123.9 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

2.3.123.10 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

2.3.123.11 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.

2.3.123.12 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.

Rule (RI-128):

Type:	Active (Insert/Update/Delete records) This table is modified by this rule.
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

2.3.124 phonetemplate (TI-29)

Description: Name and description for button templates downloaded to phone devices and addon modules

Fields:

2.3.124.1 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

2.3.124.2 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.

2.3.124.3 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:	updatePhoneButton
	Description:	support to allow updatePhoneButton for SideCar.
	Test Condition:	?
	Error Message:	?
	Remedy:	?

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

2.3.124.4 privatetemplate (FI-3014)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Template private to that particular device

2.3.124.5 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

2.3.124.6 tkdeviceprotocol (FI-2617)

Type:	enum
Default Value:	0

Rule (RI-239):	Type:	Active (Insert)
	Rule Name:	updatePhoneButton
	Description:	support to allow updatePhoneButton for SideCar.
	Test Condition:	?
	Error Message:	?
	Remedy:	?

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.

2.3.124.7 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:	updatePhoneButton
	Description:	support to allow updatePhoneButton for SideCar.
	Test Condition:	?
	Error Message:	?
	Remedy:	?

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.

2.3.124.8 tkreset (FI-3147)

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

2.3.124.9 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:	updatePhoneButton
	Description:	support to allow updatePhoneButton for SideCar.
	Test Condition:	?
	Error Message:	?
	Remedy:	?
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.

2.3.124.10 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

Rules:	Rule (RI-128):	Type:	Active (Insert/Update/Delete records) Rule applied when record is inserted.
		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

2.3.125 pickupgroup (TI-331)

Description:	Used for PickupGroup

Fields:

2.3.125.1 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)

2.3.125.2 name (FI-2470)

Type:	string [100] (Unique)
Validation:	^[a-zA-Z 0-9._-]{1,100}$

2.3.125.3 pkid (FI-2471)

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

Uniqueness:	No multicolumn uniqueness constraints

2.3.126 pickupgrouplinemap (TI-332)

Description:	Used for PickupGroup

Fields:

2.3.126.1 fknumplan_line (FI-2472)

Type:	guid (Unique, Cascade Delete)

2.3.126.2 fkpickupgroup (FI-2473)

Type:	guid

2.3.126.3 pkid (FI-2474)

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

Uniqueness:	No multicolumn uniqueness constraints

2.3.127 pickupgroupmember (TI-333)

Description:	Used for PickupGroup
Fields:	**2.3.127.1 fkpickupgroup_member (FI-2475)**
	Type: guid (Cascade Delete)
	2.3.127.2 fkpickupgroup_primary (FI-2586)
	Type: guid (Indexed, Cascade Delete)
	2.3.127.3 pkid (FI-2476)
	Type: guid (Unique)
	Default Value: newid()
	2.3.127.4 priority (FI-2477)
	Type: long
Uniqueness:	fkpickupgroup_primary + fkpickupgroup_member is unique. (MFI-84) fkpickupgroup_primary + priority is unique. (MFI-85)

2.3.128 pilot (TI-30)

Description:	Web Attendant's inbound directory numbers
Fields:	**2.3.128.1 fkcallmanagergroup (FI-614)**
	Type: guid (Null OK)
	Default Value: NULL
	Remarks: For fail over of the primary
	2.3.128.2 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.
	2.3.128.3 ikpilot (FI-236)
	Type: guid (Null OK)
	Default Value: NULL
	Migration Source: PilotToHuntGroupID.nexPilot
	2.3.128.4 isqueueenabled (FI-1969)

Type:	bool
Default Value:	FALSE
Remarks:	Queue enabled status on "Route Calls" for AC

2.3.128.5 pkid (FI-234)

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

2.3.128.6 queueholdtimeinsecs (FI-1971)

Type:	long
Default Value:	0
Check Constraint:	(QueueHoldTimeInSecs >= 0) AND (QueueHoldTimeInSecs <= 3600)
Remarks:	Queue hold time for "Route Calls"

2.3.128.7 queuesize (FI-1970)

Type:	long
Default Value:	32
Check Constraint:	(QueueSize > 0) AND (QueueSize <= 255)
Remarks:	Queue size for "Route Calls"

2.3.128.8 tkhuntalgorithmforac (FI-609)

Type:	enum
Default Value:	0
Migration Source:	Was bool before.

Uniqueness: No multicolumn uniqueness constraints

2.3.129 pilothuntgroup (TI-19)

Description: Web Attendant hunt groups.

Fields:

2.3.129.1 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;

2.3.129.2 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 is not allowed
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.

2.3.129.3 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.

2.3.129.4 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;

2.3.129.5 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.

2.3.129.6 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;

2.3.129.7 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;

2.3.130 pilotuser (TI-69)

Description:	Web Attendant user information

Fields:

2.3.130.1 attendantdata (FI-1805)	
Type:	string [32000] (Null OK)
Default Value:	NULL
2.3.130.2 password (FI-122)	
Type:	string [50]
Default Value:	EMPTY
Validation:	^[a-zA-Z 0-9_-]{0,50}$
Migration Source:	UserToUserIDKey.Password
2.3.130.3 pkid (FI-120)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
2.3.130.4 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

2.3.131 plugin (TI-122)

Description:	List of menu items to plug into/show on the Web Admin. Insert/Delete is not allowed.

Fields:

2.3.131.1 customurl (FI-2053)	
Type:	memo
Default Value:	EMPTY
2.3.131.2 description (FI-701)	
Type:	memo (Null OK)
Default Value:	NULL
2.3.131.3 name (FI-700)	
Type:	string [50] (Unique)
Validation:	^[a-zA-Z 0-9_-]{1,50}$
Remarks:	Plugin name
2.3.131.4 pkid (FI-698)	

	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Migration Source:	Generated
	Remarks:	Unique ID to identify a record.
	2.3.131.5 showonuseroption (FI-2054)	
	Type:	bool (Not Modifiable)
	Default Value:	FALSE
	2.3.131.6 tkpluginusage (FI-699)	
	Type:	enum
	2.3.131.7 url (FI-702)	
	Type:	memo
Uniqueness:	No multicolumn uniqueness constraints	

2.3.132 preferences (TI-286)

Description:	UI Preferences	
Fields:	**2.3.132.1 fkenduser (FI-1999)**	
	Type:	guid (Cascade Delete)
	2.3.132.2 name (FI-2000)	
	Type:	string [64] (Not Modifiable)
	Validation:	^[a-zA-Z0-9._-]{1,64}$
	2.3.132.3 pkid (FI-1998)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
	Remarks:	Unique ID to identify a record.
	2.3.132.4 value (FI-2001)	
	Type:	string [64]
	Default Value:	EMPTY
	Validation:	^[a-zA-Z0-9]{0,50}$
Uniqueness:	fkenduser + name is unique. (MFI-57)	

2.3.133 processconfig (TI-88)

Description:	All service configuration. Attributes of a process on a node.

Fields:

2.3.133.1 fkprocessnode (FI-296)

Type:	guid (Indexed, Cascade Delete)

2.3.133.2 paramname (FI-297)

Type:	string [50]
Default Value:	EMPTY

2.3.133.3 paramvalue (FI-299)

Type:	string [255] (Null OK)
Default Value:	NULL
Remarks:	if tParam is boolean, use "T" or "F"

2.3.133.4 pkid (FI-294)

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

2.3.133.5 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)

2.3.133.6 resettoggle (FI-3112)

Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset
Rule (RI-306):	Type: Active (Update) Rule Name: device versionstamp on processconfig Description: on update of enterprise processconfig record, update device deviceversionstamp record Test Condition: update processconfig

2.3.133.7 tkparam (FI-298)

Type:	enum

2.3.133.8 tkreset (FI-3113)

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

2.3.133.9 tkservice (FI-324)

Type:	enum (Indexed)

	Rule (RI-306):	Type:	Active (Update)
		Rule Name:	device versionstamp on processconfig
		Description:	on update of enterprise processconfig record, update device deviceversionstamp record
		Test Condition:	update processconfig

2.3.133.10 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.

2.3.134 processconfigdefaults (TI-101)

Description: Default service configuration parameters for each service type.
Records may be modified only by installation and/or DB triggers.

Fields:

2.3.134.1 enum (FI-647)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	Used for primary key so can be replicated by SQL

2.3.134.2 maxlongvalue (FI-475)

Type:	long (Not Modifiable, Null OK)
Default Value:	NULL

2.3.134.3 minlongvalue (FI-474)

Type:	long (Not Modifiable, Null OK)
Default Value:	NULL

2.3.134.4 paramname (FI-471)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY

2.3.134.5 paramvalue (FI-473)

Type:	string [255] (Not Modifiable)
Default Value:	EMPTY

2.3.134.6 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)

2.3.134.7 servicewide (FI-646)

Type:	bool (Not Modifiable)
Remarks:	is this parameter service wide?

2.3.134.8 tkparam (FI-605)

Type:	enum (Not Modifiable)

2.3.134.9 tkservice (FI-477)

Type:	enum (Indexed, Not Modifiable)

2.3.134.10 typetablelink (FI-476)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Name of related type table

Uniqueness: tkservice + paramname is unique. (MFI-73)

2.3.135 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:

2.3.135.1 description (FI-1204)

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

2.3.135.2 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.

2.3.135.3 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 Unified CallManager server. The MAC address specifies the permanent hardware address of the NIC.

2.3.135.4 name (FI-290)

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 Unified 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:	Cisco Unified CallManager Record Insert
	Description:	On insert of a callmanager processnodeservice record, insert a callmanager 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:	?

2.3.135.5 nodeid (FI-1992)

Type:	identity (Unique, Indexed, Not Modifiable)
Remarks:	Integer vaeue for node

2.3.135.6 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: Cisco Unified CallManager Record Insert Description: On insert of a callmanager processnodeservice record, insert a callmanager record Test Condition: ?
Rule (RI-251):	Type: Active (Insert) Rule Name: Insert processnodeservice records on processnode insert Description: ? Test Condition: ? Error Message: ? Remedy: ?

2.3.135.7 systemnode (FI-611)

Type:	bool
Default Value:	FALSE

Uniqueness: No multicolumn uniqueness constraints

2.3.136 processnodesec (TI-398)

Description: security information for processonde

Fields:

2.3.136.1 cert (FI-2979)

Type:	string [16000]
Remarks:	certificate of the server.

2.3.136.2 fkprocessnode (FI-2975)

Type:	guid (Indexed, Cascade Delete)
Remarks:	associated processnode for security

2.3.136.3 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 Unified CallManager server.

2.3.136.4 ip (FI-2978)

Type:	string [255] (Unique)

Remarks:	IP address of the server.

2.3.136.5 pkid (FI-2973)

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

2.3.136.6 sftpkey (FI-2981)

Type:	string [16000]
Default Value:	EMPTY
Remarks:	certificate of the server.

Uniqueness: No multicolumn uniqueness constraints

2.3.137 processnodesecack (TI-399)

Description: node acknolegement security information for processonde

Fields:

2.3.137.1 fkprocessnode (FI-2976)

Type:	guid (Indexed, Cascade Delete)
Remarks:	associated processnode to receive acknowledgement

2.3.137.2 fkprocessnodesec (FI-2980)

Type:	guid (Indexed, Cascade Delete)
Remarks:	associated processnode with new certificate

2.3.137.3 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

2.3.138 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:

2.3.138.1 devicenamemonitorflag (FI-883)

Type:	bool
Default Value:	FALSE
Remarks:	Trace configuartion option

2.3.138.2 devicetypemonitorflag (FI-882)

Type:	bool
Default Value:	FALSE
Remarks:	Trace configuartion option

2.3.138.3 enable (FI-816)

Type:	bool
Default Value:	FALSE
Remarks:	Trace configuartion option

2.3.138.4 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 Unified CallManager service includes a default log file.

2.3.138.5 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

2.3.138.6 includenondevicetraces (FI-820)

Type:	bool
Default Value:	FALSE
Remarks:	Trace configuartion option

2.3.138.7 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

2.3.138.8 maxfilesize (FI-2051)

Type:	long
Default Value:	1000
Remarks:	Created during installation.

2.3.138.9 numfiles (FI-817)

Type:	long
Default Value:	250
Remarks:	Trace configuartion option. Total number of trace files for a given service. Cisco Unified 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.

2.3.138.10 numlines (FI-818)

Type:	long
Default Value:	10000
Remarks:	Trace configuartion option. Maximum number of lines of data stored in each trace file.

2.3.138.11 numminutes (FI-819)

Type:	long
Default Value:	1440
Remarks:	Trace configuartion option

2.3.138.12 outputdebugstringflag (FI-885)

Type:	bool
Default Value:	FALSE
Remarks:	Trace configuartion option

2.3.138.13 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:	?

2.3.138.14 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)

2.3.138.15 restrictserver (FI-2870)

Type:	bool
Default Value:	FALSE
Remarks:	When set, service can not be de-activated

2.3.138.16 servername (FI-823)

Type:	string [255]
Default Value:	EMPTY
Remarks:	Trace configuartion option

2.3.138.17 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

2.3.138.18 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.

2.3.138.19 usercategories (FI-815)

Type:	long
Default Value:	0
Remarks:	Trace configuartion option

2.3.138.20 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 Unified 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

2.3.139 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:

2.3.139.1 enum (FI-658)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	Used for primary key so can be replicated by SQL

2.3.139.2 enumvalue (FI-661)

Type:	long (Not Modifiable)
Remarks:	A number to identify the record

2.3.139.3 moniker (FI-664)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.139.4 tkproduct (FI-659)

Type:	enum (Indexed, Not Modifiable)

2.3.139.5 tkproductconfig (FI-660)

Type:	enum (Not Modifiable)

Uniqueness: No multicolumn uniqueness constraints

2.3.140 productsupportsfeature (TI-180)

Description: the product/feature, model/feature map
Records may be modified only by installation and/or DB triggers.

Fields:

2.3.140.1 enum (FI-1107)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.140.2 param (FI-1111)

Type:	string [255] (Not Modifiable)
Default Value:	EMPTY

2.3.140.3 tkdeviceprotocol (FI-2407)

Type:	enum (Null OK)
Default Value:	99
Remarks:	Pkid of Device Protocol record

2.3.140.4 tkmodel (FI-1109)

Type:	enum (Not Modifiable)

2.3.140.5 tkproduct (FI-1108)

Type:	enum (Not Modifiable)

2.3.140.6 tksupportsfeature (FI-1110)

	Type:	enum (Not Modifiable)
Uniqueness:	tkproduct + tkmodel + tksupportsfeature + tkdeviceprotocol is unique. (MFI-34)	

2.3.141 region (TI-31)

Description:	Region endpoint for IP network spans

Fields:

2.3.141.1 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.

2.3.141.2 pkid (FI-156)

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

2.3.141.3 resettoggle (FI-3084)

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

2.3.141.4 tkreset (FI-3085)

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

Uniqueness:	No multicolumn uniqueness constraints

2.3.142 regionmatrix (TI-32)

Description:	Directonal bandwidth available between regions

Fields:

2.3.142.1 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.

2.3.142.2 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.

2.3.142.3 pkid (FI-158)

Type:	guid (Unique, Indexed, Not Modifiable)

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

2.3.142.4 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.

2.3.142.5 videobandwidth (FI-1229)

Type:	long
Default Value:	384
Check Constraint:	(videoBandwidth >= -2) AND (videoBandwidth <= 8128)
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.

2.3.143 routefilter (TI-106)

Description: Route filter clauses for NumPlan records used by digit analysis

Fields:

2.3.143.1 clause (FI-696)

Type:	memo (Not Modifiable, Null OK)
Default Value:	NULL
Migration Source:	WhereClause:Statement
Remarks:	Trigger updated. Colon separated list.

2.3.143.2 dialplanwizardgenid (FI-681)

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

2.3.143.3 fkdialplan (FI-546)

Type:	guid
Migration Source:	id for NADP
Remarks:	Dial plan; for example, North American Numbering Plan.

2.3.143.4 name (FI-545)

Type:	string [50]
Validation:	^[a-zA-Z 0-9._-]{1,50}$
Migration Source:	WhereClause:Description
Remarks:	Unique name for Route Filter

2.3.143.5 pkid (FI-543)

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

2.3.143.6 resettoggle (FI-3086)	
Type:	bool
Default Value:	FALSE
Remarks:	Should this device or group be reset
2.3.143.7 tkreset (FI-3087)	
Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.
Uniqueness:	fkdialplan + name is unique. (MFI-25)

2.3.144 routefiltermember (TI-71)

Description: Used to create RouteFilter for NumPlan records used by digit analysis

Fields:

2.3.144.1 digits (FI-207)	
Type:	string [50]
Default Value:	EMPTY
Validation:	^[]0-9*#[^+?-]{0,50}$
Migration Source:	WhereClauseDetail.Digits
2.3.144.2 fkdialplantag (FI-205)	
Type:	guid
Migration Source:	WhereClauseDetail.Tag
2.3.144.3 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

2.3.144.4 pkid (FI-555)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
2.3.144.5 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.

2.3.144.6 tkoperator (FI-206)

Type:	enum
Migration Source:	WhereClauseDetail.Operator

Uniqueness: fkroutefilter + fkdialplantag + precedence is unique. (MFI-21)

2.3.145 routegroup (TI-33)

Description: Dial Plan Route Groups

Fields:

2.3.145.1 dialplanwizardgenid (FI-682)

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

2.3.145.2 name (FI-195)

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

2.3.145.3 pkid (FI-194)

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

2.3.145.4 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.

2.3.145.5 tkqsig (FI-1906)

Type:	enum (Not Modifiable)
Default Value:	0
Migration Source:	Calulate this value from Device.tkQSIG

	Remarks:	default is invalid until updated.
Uniqueness:	No multicolumn uniqueness constraints	

2.3.146 routegroupdevicemap (TI-108)

Description: Maps multiple Devices to be in a Route Group.

Fields:

2.3.146.1 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.

2.3.146.2 dialplanwizardgenid (FI-683)

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

2.3.146.3 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.

2.3.146.4 fkroutegroup (FI-558)

Type:	guid (Indexed, Cascade Delete)
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

2.3.146.5 pkid (FI-588)

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

2.3.146.6 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

2.3.147 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:

2.3.147.1 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 is required
Remarks:	CalledPartyTransformationMask is set only for Route Group

2.3.147.2 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 is required
	Remarks:	CallingPartyPrefixDigits is set only for Route Group

2.3.147.3 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 is required
	Remarks:	CallingPartyTransformationMask is set only for Route Group

2.3.147.4 dialplanwizardgenid (FI-679)

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

2.3.147.5 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 is required
	Remarks:	CallingSearchSpace is required only for Route Group

2.3.147.6 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.

2.3.147.7 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 is required
	Remarks:	DigitDiscardInstruction is required only for Route Group

2.3.147.8 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.

2.3.147.9 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.

2.3.147.10 pkid (FI-200)

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

2.3.147.11 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 is required
	Remarks:	PrefixDigitsOut is set only for Route Group

2.3.147.12 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.

2.3.147.13 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 is required
	Remarks:	Status_useFullyQualCallingPartyNum = 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 but only either a RouteGroup or a LineGroup.

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).

2.3.148 routepartition (TI-75)

Description: Lists partitions for NumPlan

Fields:

2.3.148.1 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

2.3.148.2 dialplanwizardgenid (FI-675)

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

2.3.148.3 fktimeschedule (FI-2335)

Type:	guid (Null OK)

Default Value:	NULL

2.3.148.4 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: ?

2.3.148.5 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: ?

2.3.148.6 resettoggle (FI-3088)

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

2.3.148.7 tkreset (FI-3089)

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

2.3.148.8 tktimezone (FI-2336)

Type:	enum
Default Value:	22

2.3.148.9 useoriginatingdevicetimezone (FI-2337)

Type:	bool
Default Value:	TRUE

Uniqueness: No multicolumn uniqueness constraints

2.3.149 rtmtprofile (TI-413)

Description: Stores the Real Time Monitoring tools profile

Fields:

2.3.149.1 content (FI-3068)

Type:	string [32000]
Default Value:	EMPTY
Remarks:	Split content of the profile

2.3.149.2 index (FI-3067)

Type:	long
Default Value:	1
Remarks:	Index of the split profiles starting at 1

2.3.149.3 name (FI-3066)

Type:	string [100] (Indexed)
Remarks:	Name of the Real Time Monitor Profile

2.3.149.4 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)

2.3.150 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:

2.3.150.1 content (FI-645)

Type:	text (Null OK)
Default Value:	NULL

2.3.150.2 name (FI-643)

Type:	string [255] (Indexed)

2.3.150.3 pkid (FI-642)

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

2.3.150.4 readonly (FI-908)

Type:	bool
Default Value:	FALSE

Uniqueness: No multicolumn uniqueness constraints

2.3.151 securityprofile (TI-314)

Description: Different Security profiles in Call Manager

Fields:

2.3.151.1 aclallowreplace (FI-2589)

Type:	bool
Default Value:	FALSE
Remarks:	Whether SIP header replacement allowed

2.3.151.2 acloobsubscription (FI-2420)

Type:	bool
Default Value:	FALSE
Remarks:	Whether OOB Subscription Allowed (Obsolete)

2.3.151.3 acloodrefer (FI-2419)

Type:	bool
Default Value:	FALSE
Remarks:	Whether out of dialog refer allowed

2.3.151.4 aclpresencesubscription (FI-2418)

Type:	bool
Default Value:	FALSE
Remarks:	Whether presence subsription allowed

2.3.151.5 aclunsolicitednotification (FI-2421)

Type:	bool
Default Value:	FALSE
Remarks:	Whether unsolicitated subscription allowed

2.3.151.6 applevelauth (FI-2423)

Type:	bool
Default Value:	FALSE

2.3.151.7 description (FI-2343)

Type:	string [100] (Null OK)
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,100}$
Remarks:	Description of the Security Profile

2.3.151.8 digestauthall (FI-2416)

Type:	bool
Default Value:	FALSE
Remarks:	Whether to authenicate ALL messages

2.3.151.9 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

2.3.151.10 isstandard (FI-2409)

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

2.3.151.11 name (FI-2342)

Type:	string [50] (Unique, Indexed)
Validation:	^[a-zA-Z 0-9._-]{1,50}$
Remarks:	Name of the Security Profile

2.3.151.12 noncepolicytime (FI-2417)

Type:	long
Default Value:	600
Remarks:	Time in secs

2.3.151.13 pkid (FI-2341)

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

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-317):	Type:	Active (Update)
	Rule Name:	Prevent change of profile where phone does not support it
	Description:	on U of SecurityProfile
	Test Condition:	Check for phone support

2.3.151.14 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

2.3.151.15 tkauthenticationmode (FI-2585)

Type:	enum
Default Value:	2

2.3.151.16 tkdevicesecuritymode (FI-2425)

Type:	enum (Null OK)

Rule (RI-317):	Type:	Active (Update)
	Rule Name:	Prevent change of profile where phone does not support it
	Description:	on 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

2.3.151.17 tkkeysize (FI-2465)

Type:	enum
Default Value:	2

2.3.151.18 tkreset (FI-3101)

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

2.3.151.19 tksecuritypolicy (FI-2408)

Type:	enum
Default Value:	1
Rule (RI-317):	Type: Active (Update) Rule Name: Prevent change of profile where phone does not support it Description: on 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

2.3.151.20 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

2.3.151.21 tktransport_out (FI-2411)

Type:	enum (Null OK)
Default Value:	NULL
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

2.3.151.22 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

2.3.151.23 x509subjectname (FI-2588)

Type:	string [4096]
Default Value:	EMPTY
Remarks:	X509 Subject Name List

Uniqueness:	No multicolumn uniqueness constraints

2.3.152 sipdevice (TI-206)

Description:	Contains data for SIP Trunk implementation

Fields:

2.3.152.1 acceptinboundrdnis (FI-1317)

Type:	bool
Default Value:	FALSE
Remarks:	Redirecting number delivery (inbound) flag.

2.3.152.2 acceptoutboundrdnis (FI-1322)

Type:	bool
Default Value:	FALSE
Remarks:	Same as NumberIE field in H323Device.

2.3.152.3 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.

2.3.152.4 callername (FI-1319)

Type:	string [150]
Default Value:	EMPTY
Validation:	^[a-zA-Z0-9 !#$'()*+,./:;=?@\\^_`~-]{0,30}$
Remarks:	Same as displayIE field in H323Device table

2.3.152.5 destinationaddress (FI-1311)	
Type:	string [255]
Default Value:	EMPTY
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

2.3.152.6 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

2.3.152.7 fkdevice (FI-1310)	
Type:	guid (Unique, Indexed, Cascade Delete)

2.3.152.8 numdigits (FI-1318)	
Type:	long (Null OK)
Default Value:	99
Check Constraint:	((NumDigits >= 0) AND (NumDigits <= 32)) OR (NumDigits = 99)

2.3.152.9 pkid (FI-1309)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.

2.3.152.10 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.

2.3.152.11 sigdigits (FI-1315)	
Type:	bool
Default Value:	FALSE
Remarks:	Must be 1 if (NumDigits >= 0) AND (NumDigits <= 32), or 0 if (NumDigits = 99)

2.3.152.12 tkcallingpartyselection (FI-1327)	
Type:	enum

Default Value:	1

2.3.152.13 tkpresentationbit_callingline (FI-1323)

Type:	enum
Default Value:	0
Remarks:	Calling Party ID Presentation

2.3.152.14 tkpresentationbit_callingname (FI-1324)

Type:	enum
Default Value:	0
Remarks:	Calling Party Name Presentation

2.3.152.15 tkpresentationbit_connectedline (FI-1325)

Type:	enum
Default Value:	0
Remarks:	Connected Party ID Presentation

2.3.152.16 tkpresentationbit_connectedname (FI-1326)

Type:	enum
Default Value:	0
Remarks:	Connected Party Name Presentation

2.3.152.17 tksipcodec (FI-1314)

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

Uniqueness:	No multicolumn uniqueness constraints

2.3.153 sipprofile (TI-317)

Description:	SIP Profile Information

Fields:

2.3.153.1 defaulttelephonyeventpayloadtype (FI-2587)

Type:	long
Default Value:	101
Remarks:	The Telephony Event Payload Type

2.3.153.2 description (FI-2362)

Type:	string [100] (Null OK)
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~-]{0,100}$
Remarks:	Description of SIP Profile

2.3.153.3 isstandard (FI-2363)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	If this is a standard SIP profile

2.3.153.4 name (FI-2361)	
Type:	string [50] (Unique, Indexed)
Remarks:	SIP Profile name

2.3.153.5 pkid (FI-2360)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique key
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

2.3.153.6 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

2.3.153.7 ringing180 (FI-2463)	
Type:	bool
Default Value:	FALSE

2.3.153.8 sipretryinvite (FI-2431)	
Type:	long
Default Value:	6
Remarks:	Max number of times an INVITE request is retransmitted

2.3.153.9 sipretrynoninvite (FI-2432)	
Type:	long
Default Value:	10
Remarks:	Max number of times a SIP message other than INVITE is retransmitted

2.3.153.10 sipstartmediaport (FI-2433)	
Type:	long
Default Value:	16384
Check Constraint:	(SIPStartMediaPort >= 16384) AND (SIPStartMediaPort <= 32767)
Remarks:	Start RTP range for media

2.3.153.11 siptimerinviteexp (FI-2426)	
Type:	long
Default Value:	180

Check Constraint:	(SIPTimerInviteExp >= 0) AND (SIPTimerInviteExp <= 32767)
Remarks:	in secs after which a SIP INVITE expires

2.3.153.12 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.

2.3.153.13 siptimerregexpires (FI-2428)

Type:	long
Default Value:	3600
Remarks:	Time in secs after which reg expires

2.3.153.14 siptimert1 (FI-2429)

Type:	long
Default Value:	500
Remarks:	Lowest value, in millisecs, of the retransmission for SIP messages

2.3.153.15 siptimert2 (FI-2430)

Type:	long
Default Value:	4000
Remarks:	Highest value, in millisecs, of the retransmission for SIP messages

2.3.153.16 tkreset (FI-3103)

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

2.3.153.17 tktelnetlevel (FI-2972)

Type:	enum
Default Value:	0

2.3.153.18 tkzzdndcontrol (FI-3064)

Type:	enum
Default Value:	0
Remarks:	DND control

2.3.153.19 tkzzdtmfdblevel (FI-2825)

Type:	enum
Default Value:	3
Remarks:	dtmf Db Level

2.3.153.20 tkzzkpml (FI-2826)

Type:	enum
Default Value:	3

Remarks:	kpml scope

2.3.153.21 tkzznetworkmediatype (FI-2827)

Type:	enum
Default Value:	0
Remarks:	network Media speed and full/half

2.3.153.22 tkzzpreff_zzanonymouscallblock (FI-2830)

Type:	long
Default Value:	2

2.3.153.23 tkzzpreff_zzautocomplete (FI-2828)

Type:	long
Default Value:	2

2.3.153.24 tkzzpreff_zzcalleridblocking (FI-2831)

Type:	long
Default Value:	2

2.3.153.25 tkzzpreff_zzcallholdringback (FI-2829)

Type:	long
Default Value:	2

2.3.153.26 tkzzpreff_zzdndcontrol (FI-2832)

Type:	long
Default Value:	2

2.3.153.27 tkzzuserinfo (FI-2824)

Type:	enum
Default Value:	0
Remarks:	user Info

2.3.153.28 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

2.3.153.29 zzabbreviateddialuri (FI-2935)

Type:	string [127]
Default Value:	x-cisco-serviceuri-abbrdial
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,127}$
Remarks:	call Pickup URI

2.3.153.30 zzalternateidleautoanswer (FI-2803)

Type:	bool
Default Value:	FALSE
Remarks:	is alternate Idle AutoAnswer Enabled

2.3.153.31 zzalwaysuseprimeline (FI-2801)

Type:	bool
Default Value:	FALSE
Remarks:	is always Use Prime Line Enabled

2.3.153.32 zzalwaysuseprimelinevmail (FI-2802)

Type:	bool
Default Value:	FALSE
Remarks:	is always Use Prime Line Voic Mail Enabled

2.3.153.33 zzautoansweraltbehavior (FI-2797)

Type:	bool
Default Value:	TRUE
Remarks:	is autoAnswer alternate Behavior Enabled

2.3.153.34 zzautoansweroverride (FI-2798)

Type:	bool
Default Value:	TRUE
Remarks:	is autoAnswer Override Enabled

2.3.153.35 zzautoanswertimer (FI-2837)

Type:	long
Default Value:	1
Check Constraint:	((zzautoAnswerTimer >= 1) AND (zzautoAnswerTimer <= 500))

2.3.153.36 zzblockenable (FI-3037)

Type:	bool
Default Value:	TRUE
Remarks:	Enable/Disable use of Remote Party ID for connected party info display

2.3.153.37 zzcallforwarduri (FI-2934)

Type:	string [127]
Default Value:	x-cisco-serviceuri-cfwdall
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,127}$
Remarks:	call Pickup URI

2.3.153.38 zzcallpickupgroupuri (FI-2811)

Type:	string [127]

Default Value:	x-cisco-serviceuri-gpickup
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,127}$
Remarks:	call Pickup Group URI

2.3.153.39 zzcallpickuplisturi (FI-2810)

Type:	string [127]
Default Value:	x-cisco-serviceuri-opickup
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,127}$
Remarks:	callPickup List URI

2.3.153.40 zzcallpickupuri (FI-2809)

Type:	string [127]
Default Value:	x-cisco-serviceuri-pickup
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,127}$
Remarks:	call Pickup URI

2.3.153.41 zzcallstats (FI-2808)

Type:	bool
Default Value:	FALSE
Remarks:	is callStats Enabled

2.3.153.42 zzcnfjoinenabled (FI-2792)

Type:	bool
Default Value:	TRUE
Remarks:	is conference Join Enabled

2.3.153.43 zzconfigrefreshinterval (FI-2839)

Type:	long
Default Value:	3600

2.3.153.44 zzdyndnsaddr1 (FI-2816)

Type:	string [48]
Default Value:	0.0.0.0
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:	dynamic Dns Address 1

2.3.153.45 zzdyndnsaddr2 (FI-2817)

Type:	string [48]
Default Value:	0.0.0.0
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:	dynamic Dns Address 2

2.3.153.46 zzdyndnsaddr3 (FI-2818)

Type:	string [48]
Default Value:	0.0.0.0
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:	dynamic Dns Address 3

2.3.153.47 zzdyntftpaddr (FI-2819)	
Type:	string [48]
Default Value:	0.0.0.0
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:	dynamic tftp Address 1
2.3.153.48 zzenablevad (FI-2799)	
Type:	bool
Default Value:	FALSE
Remarks:	is VAD Enabled
2.3.153.49 zzholdtype (FI-2804)	
Type:	bool
Default Value:	FALSE
Remarks:	is hold Type Enabled
2.3.153.50 zzidiverturi (FI-2813)	
Type:	string [127]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,127}$
Remarks:	iDivert URI
2.3.153.51 zzlocalcfwdenable (FI-2793)	
Type:	bool
Default Value:	TRUE
Remarks:	is local forward Enabled
2.3.153.52 zzmaxredirects (FI-2836)	
Type:	long
Default Value:	70
Check Constraint:	((zzmaxRedirects >= 0) AND (zzmaxRedirects <= 255))
2.3.153.53 zzmeetmeserviceuri (FI-2812)	
Type:	string [127]
Default Value:	x-cisco-serviceuri-meetme
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,127}$
Remarks:	meet Me Service URI
2.3.153.54 zznataddress (FI-2815)	
Type:	string [48]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$
Remarks:	NAT Address
2.3.153.55 zznatenabled (FI-2800)	
Type:	bool
Default Value:	FALSE

Remarks:	is NAT Enabled
2.3.153.56 zznatreceivedprocessing (FI-2805)	
Type:	bool
Default Value:	FALSE
Remarks:	is nat Received Processing Enabled
2.3.153.57 zzoffhooktofirstdigittmr (FI-2843)	
Type:	long
Default Value:	15000
Check Constraint:	((zzoffhookToFirstDigitTmr >= 0) AND (zzoffhookToFirstDigitTmr <= 150000))
2.3.153.58 zzphonelabel (FI-2820)	
Type:	string [11]
Default Value:	EMPTY
Remarks:	NAT Address
2.3.153.59 zzredirectbyapp (FI-2933)	
Type:	bool
Default Value:	FALSE
Remarks:	is redirecatble by appliction
2.3.153.60 zzrfc2543hold (FI-2794)	
Type:	bool
Default Value:	FALSE
Remarks:	is rfc2543 Hold Enabled
2.3.153.61 zzsemiattendedtransfer (FI-2796)	
Type:	bool
Default Value:	TRUE
Remarks:	is semiAttended Transfer Enabled
2.3.153.62 zzstopmediaport (FI-2846)	
Type:	long
Default Value:	32766
Check Constraint:	((zzstopMediaPort >= 16384) AND (zzstopMediaPort <= 32766))
2.3.153.63 zzstuttermsgwaiting (FI-2807)	
Type:	bool
Default Value:	FALSE
Remarks:	is stutter message Waiting Enabled
2.3.153.64 zztftpcfgdir (FI-2822)	
Type:	string [64]
Default Value:	EMPTY
Remarks:	NAT Address
2.3.153.65 zztimerkeepaliveexpires (FI-2833)	
Type:	long

Default Value:	120

2.3.153.66 zztimersubscribedelta (FI-2835)

Type:	long
Default Value:	5
Check Constraint:	((zztimerSubscribeDelta >= 3) AND (zztimerSubscribeDelta <= 15))

2.3.153.67 zztimersubscribeexpires (FI-2834)

Type:	long
Default Value:	120

2.3.153.68 zztoneonholdtimer (FI-2844)

Type:	long
Default Value:	10
Check Constraint:	((zztoneOnHoldTimer >= 0) AND (zztoneOnHoldTimer <= 200000))

2.3.153.69 zztransmitframesperpkt (FI-2838)

Type:	long
Default Value:	2
Check Constraint:	((zztransmitFramesPerPkt >= 1) AND (zztransmitFramesPerPkt <= 255))

Uniqueness:	No multicolumn uniqueness constraints

2.3.154 siprealm (TI-393)

Description:	SIP Realm (security domain) athentiction information for out going calls

Fields:

2.3.154.1 passwordreverse (FI-2895)

Type:	string [128]
Default Value:	69c4f936f9cdf45f6bbca2570c31215629bb5d6fb97493478b8ff3db6fffbc55
Remarks:	Generated hash value, should not be empty

2.3.154.2 pkid (FI-2946)

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

2.3.154.3 realm (FI-2389)

Type:	string [512]
Validation:	^[a-zA-Z 0-9._-]{1,512}$

2.3.154.4 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

2.3.155 softkeyset (TI-184)

Description: Map the sofykey to softkey template based on different call states

Fields:

2.3.155.1 fksoftkeytemplate (FI-1156)

Type:	guid (Cascade Delete, Not Modifiable)
Remarks:	The softkey template 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-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.

2.3.155.2 pkid (FI-1155)

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

2.3.155.3 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)

2.3.155.4 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.

2.3.155.5 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.
Uniqueness:	fksoftkeytemplate + tkcallstate + tksoftkey is unique. (MFI-60)		
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

2.3.156 softkeytemplate (TI-183)

Description:	Softkey templates

Fields:

2.3.156.1 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.

2.3.156.2 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

2.3.156.3 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.

2.3.156.4 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

2.3.156.5 resettoggle (FI-3104)

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

2.3.156.6 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.

2.3.156.7 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.

2.3.156.8 tkreset (FI-3105)

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

2.3.156.9 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

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

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

2.3.157 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:

2.3.157.1 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

2.3.157.2 pkid (FI-1956)

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

2.3.157.3 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:	Cisco Unified CallManager Service required for Softkeys
Description:	The Cisco Unified 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 Unified 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

2.3.158 speeddial (TI-35)

Description: Speed dial entries for phone Devices

Fields:

2.3.158.1 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: SpeedDial.fkDevice IN (SELECT pkid FROM Device WHERE tkProduct IN (SELECT tkProduct FROM ProductSupportsFeature WHERE (tkSupportsFeature = 13) OR (tkSupportsFeature = 31))) 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.

2.3.158.2 label (FI-287)

Type:	string [30]
Default Value:	EMPTY
Validation:	^[^"""]{0,30}$
Migration Source:	NULL
Remarks:	The text that will appear for the speed-dial button.

2.3.158.3 labelascii (FI-1790)

Type:	string [30]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_`{\|}~\\-]{0,50}$
Migration Source:	SpeedDial.label if all chars are less than 127
Remarks:	This is same as label if all characters are ASCII.

2.3.158.4 pkid (FI-101)

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

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

2.3.158.5 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).

2.3.158.6 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)

2.3.159 spokenname (TI-403)

Description: Spoken name data as in CRSApplication

Fields:

2.3.159.1 creationdatetime (FI-3035)

Type:	string [36]
Default Value:	0
Remarks:	Timestamp to mark spoken name sequence members

2.3.159.2 encodeddata (FI-3004)

Type:	string [32000]
Default Value:	EMPTY
Remarks:	for table spokenname

2.3.159.3 fkenduser (FI-3003)

Type:	guid (Indexed, Cascade Delete)
Remarks:	associated enduser for spokenname

2.3.159.4 numberofsegments (FI-3034)

Type:	long
Default Value:	0
Remarks:	Number of segments in the spoken name sequence

2.3.159.5 pkid (FI-3002)

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

2.3.159.6 seqno (FI-3005)

Type:	long
Remarks:	spoken name sequence number

2.3.159.7 tkmediapayload (FI-3025)

Type:	enum (Null OK)
Default Value:	4

2.3.159.8 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	

2.3.160 srst (TI-194)

Description: Survival Remote Site Telephony configuration

Fields:

2.3.160.1 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

2.3.160.2 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

2.3.160.3 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:	IP Address is required for a user-modifiable SRST entry

2.3.160.4 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

2.3.160.5 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

2.3.160.6 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

2.3.160.7 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

2.3.160.8 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

2.3.160.9 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

2.3.160.10 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

2.3.160.11 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

2.3.160.12 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

2.3.160.13 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.

2.3.160.14 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

2.3.160.15 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

2.3.160.16 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

2.3.160.17 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

2.3.160.18 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

2.3.160.19 tkreset (FI-3107)	
Type:	enum
Default Value:	2
Remarks:	Set by DeviceReset stored procedure.

2.3.160.20 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.

2.3.160.21 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.

2.3.161 supportsfeatureattributemap (TI-210)

Description: Contains the mapping between the product support feature and the actual field name in the database

Fields:

2.3.161.1 emimpact (FI-1401)

Type:	bool
Default Value:	FALSE
Remarks:	The indicator for being overwritten during EM log in/out procedure

2.3.161.2 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

2.3.161.3 isbooleanfield (FI-3056)

Type:	bool
Default Value:	FALSE
Remarks:	If true, then the field is a boolean column.

2.3.161.4 pkid (FI-1396)

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

2.3.161.5 tablename (FI-1398)

Type:	string [0] (Indexed)
Default Value:	EMPTY
Remarks:	The name of the table the associated with supported features

2.3.161.6 tksupportsfeature (FI-1397)

Type:	enum (Null OK)
Default Value:	NULL
Remarks:	The reference to product support features

2.3.161.7 usedefault (FI-1402)

Type:	bool
Default Value:	FALSE
Remarks:	The indicator for using the default model profile configuration during mismatch type login.

2.3.161.8 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)

2.3.162 tapssecurenumplan (TI-358)

Description:	Table containing the list of Secure DNs

Fields:

2.3.162.1 fknumplan (FI-2658)

Type:	guid (Unique, Indexed, Cascade Delete)
Remarks:	Unique ID to identify the secure DN

2.3.162.2 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

2.3.163 tapsuserlocale (TI-357)

Description:	Table containing the list of supported user locales for TAPS application

Fields:

2.3.163.1 pkid (FI-2659)

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

2.3.163.2 tkuserlocale (FI-2665)

Type:	enum
Remarks:	supported user Locales

Uniqueness: No multicolumn uniqueness constraints

2.3.164 telecaster (TI-91)

Description:	Telecaster information not in Device Table

Fields:

2.3.164.1 authenticationurl (FI-1003)

Type:	string [255]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$

2.3.164.2 directoryservicesurl1 (FI-311)

Type:	string [255]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$

2.3.164.3 directoryservicesurl2 (FI-312)

Type:	string [255]
Default Value:	EMPTY

Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$

2.3.164.4 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 Cisco Unified IP Phone Services.
Test Condition:	Telecaster.fkDevice IN (SELECT pkid FROM Device WHERE tkProduct IN (SELECT tkProduct FROM ProductSupportsFeature WHERE tkSupportsFeature = 1))
Error Message:	Telecaster table may only reference devices that support Cisco Unified IP Phone Services..
Remedy:	Make sure device referenced by the fkDevice value supports Cisco Unified IP Phone Services.

2.3.164.5 idletimeout (FI-938)

Type:	long (Null OK)
Default Value:	NULL
Check Constraint:	(IdleTimeout >= 0) AND (IdleTimeout <= 99999)

2.3.164.6 idleurl (FI-937)

Type:	string [255]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$

2.3.164.7 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

2.3.164.8 proxyurl (FI-1002)

Type:	string [255]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$

2.3.164.9 voicemailurl1 (FI-313)

Type:	string [255]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,255}$

2.3.164.10 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)

2.3.165 telecasterservice (TI-134)

Description: High level information about a Cisco Unified IP Phone Service that can be subscribed to.

Fields:

2.3.165.1 description (FI-746)

Type:	memo (Null OK)
Default Value:	NULL
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{0,100}$

2.3.165.2 name (FI-744)

Type:	string [32]
Validation:	^[^"""""]{1,32}$

2.3.165.3 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

2.3.165.4 pkid (FI-743)

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

2.3.165.5 urltemplate (FI-745)

Type:	memo
Validation:	^[]a-zA-Z0-9 !#$%&'()*+,./:;<=>?@[^_{\|}~\\-]{1,512}$

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 the Cisco Unified 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)

2.3.166 telecasterserviceparameter (TI-135)

Description: Details about parameters on the query string for a Cisco Unified IP Phone Service.

Fields:

2.3.166.1 defaultvalue (FI-758)

Type:	string [100]
Default Value:	EMPTY
Validation:	^[a-zA-Z0-9_./:;,]{0,100}$

2.3.166.2 description (FI-750)

Type:	memo (Null OK)
Default Value:	NULL
Validation:	^[]a-zA-Z0-9 !#$'()*+,./:;=?@[^_`{\|}~\\-]{0,500}$

2.3.166.3 displayname (FI-788)

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

2.3.166.4 fktelecasterservice (FI-748)

Type:	guid (Indexed, Cascade Delete)

2.3.166.5 hidden (FI-1020)

Type:	bool
Default Value:	FALSE

2.3.166.6 name (FI-749)

Type:	string [50]
Validation:	^[a-zA-Z0-9_./:;,-]{1,50}$

2.3.166.7 pkid (FI-747)

Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Migration Source:	Generated
Remarks:	Unique ID to identify a record.
Rule (RI-312):	Type: Active (Insert/Update/Delete records) Rule Name: device versionstamp on telecasterserviceparameter Description: Any operation on telecasterserviceparameter, update device deviceversionstamp record Test Condition: update telecasterserviceparameter

2.3.166.8 required (FI-751)

Type:	bool
Default Value:	TRUE

Uniqueness: No multicolumn uniqueness constraints

2.3.167 telecastersubscribedparameter (TI-136)

Description: The user specified value for a query string parameter for a subscribed Telecaster Service.

Fields:

2.3.167.1 fktelecasterserviceparameter (FI-755)

Type:	guid (Cascade Delete)

2.3.167.2 fktelecastersubscribedservice (FI-754)

Type:	guid (Indexed, Cascade Delete)

2.3.167.3 pkid (FI-753)

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

2.3.167.4 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 a Cisco Unified 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)

2.3.168 telecastersubscribedservice (TI-133)

Description: Releates a device to a TelecasterService

Fields:

2.3.168.1 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-189):

Type:	Validation (Insert/Update)
Rule Name:	Max 100 Subscribed Services per device
Description:	Current Cisco Unified 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 Cisco Unified 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 Cisco Unified IP Phone Service subscriptions on a device.
Remedy:	Remove one or more existing Cisco Unified IP Phone Service subscriptions from the device and try again.

2.3.168.2 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)

2.3.168.3 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)

2.3.168.4 servicename (FI-742)

Type:	string [32]
Validation:	^[^"""]{1,32}$
Remarks:	Name of service.

2.3.168.5 servicenameascii (FI-1793)

Type:	string [32]
Default Value:	EMPTY
Validation:	^[]a-zA-Z0-9 !@#$%^&*()_+=[{}|';:,.<>/?`~\\-]{0,32}$
Migration Source:	TelecasterSubscribedService
Remarks:	Name of service with all charter values less than 128.

2.3.168.6 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 the Cisco Unified 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)

2.3.168.7 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.

2.3.168.8 urllabel (FI-1362)

Type:	string [50]
Default Value:	EMPTY
Validation:	^[^"""""%&<>]{0,50}$
Remarks:	The display label for URL.

2.3.168.9 urllabelascii (FI-1791)

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

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 the Cisco Unified 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 Cisco Unified 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 Cisco Unified 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 Cisco Unified IP Phone Service subscriptions on a device.
	Remedy:	Remove one or more existing Cisco Unified IP Phone Service subscriptions from the device and try again.

2.3.169 testnotify (TI-371)

Description:	Test change notification
Fields:	**2.3.169.1 intvalue (FI-2749)**
	Type: long (Null OK)
	2.3.169.2 name (FI-2747)
	Type: string [50]
	2.3.169.3 pkid (FI-2746)
	Type: guid (Unique, Indexed, Not Modifiable)
	Default Value: newid()
	2.3.169.4 stringvalue (FI-2748)
	Type: string [50]
	Default Value: EMPTY
Uniqueness:	No multicolumn uniqueness constraints

2.3.170 timeperiod (TI-306)

Description:	List of all Time Period

Fields:

2.3.170.1 dayofmonth (FI-2136)

Type:	long
Default Value:	0
Check Constraint:	(DayOfMonth >=0) AND (DayOfMonth <=31)

2.3.170.2 name (FI-2134)

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

2.3.170.3 pkid (FI-2133)

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

2.3.170.4 tkdayofweek_end (FI-2138)

Type:	enum
Default Value:	7

2.3.170.5 tkdayofweek_start (FI-2139)

Type:	enum
Default Value:	7

2.3.170.6 tkmonthofyear (FI-2137)

Type:	enum
Default Value:	0

2.3.170.7 tktimeofday_end (FI-2135)

Type:	enum
Default Value:	0

2.3.170.8 tktimeofday_start (FI-2140)

Type:	enum
Default Value:	0

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

2.3.171 timeschedule (TI-307)

Description:	List of all Time Schedules

Fields:	**2.3.171.1 name (FI-2141)**	
	Type:	string [50] (Unique, Indexed)
	Validation:	^[a-zA-Z 0-9._-]{1,50}$
	2.3.171.2 pkid (FI-2142)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
Uniqueness:	No multicolumn uniqueness constraints	

2.3.172 timescheduletimeperiodmap (TI-308)

Description:	Mapping between time schedules and time Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.172.1 fktimeperiod (FI-2143)**	
	Type:	guid (Cascade Delete)
	2.3.172.2 fktimeschedule (FI-2144)	
	Type:	guid (Cascade Delete)
	2.3.172.3 pkid (FI-2145)	
	Type:	guid (Unique, Indexed, Not Modifiable)
	Default Value:	newid()
Uniqueness:	No multicolumn uniqueness constraints	

2.3.173 treecontrolgroupnodes (TI-227)

Description:	Contains records to build the CCMAdmin tree control Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.173.1 action (FI-1630)**	
	Type:	string [255] (Not Modifiable)
	Default Value:	EMPTY
	2.3.173.2 displayorder (FI-1632)	
	Type:	long (Not Modifiable, Null OK)
	Default Value:	NULL
	2.3.173.3 expanded (FI-1631)	
	Type:	bool (Not Modifiable)
	Default Value:	0
	2.3.173.4 groupname (FI-1636)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	2.3.173.5 icon (FI-1635)	
	Type:	string [255] (Not Modifiable)

Default Value:	EMPTY
2.3.173.6 label (FI-1639)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
2.3.173.7 nodename (FI-1637)	
Type:	string [50] (Unique, Not Modifiable)
Default Value:	EMPTY
2.3.173.8 pkid (FI-1638)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
Remarks:	Unique ID to identify a record.
2.3.173.9 target (FI-1634)	
Type:	string [255] (Not Modifiable)
Default Value:	EMPTY
2.3.173.10 tkresource (FI-1825)	
Type:	enum (Not Modifiable, Null OK)
Default Value:	NULL
2.3.173.11 tooltip (FI-1633)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints

2.3.174 troubleshootingtrace (TI-370)

Description:	Trace settings for troubleshooting page
Fields:	
2.3.174.1 devicenamemonitorflag (FI-2736)	
Type:	bool
Default Value:	FALSE
2.3.174.2 devicetypemonitorflag (FI-2735)	
Type:	bool
Default Value:	FALSE
2.3.174.3 enable (FI-2729)	
Type:	bool
Default Value:	FALSE
2.3.174.4 filetraceflag (FI-2737)	
Type:	bool
Default Value:	FALSE
2.3.174.5 fkprocessnode (FI-2725)	
Type:	guid (Indexed, Cascade Delete)

2.3.174.6 includenondevicetraces (FI-2733)	
Type:	bool
Default Value:	FALSE
2.3.174.7 maxfilesize (FI-2739)	
Type:	long
Default Value:	1000
2.3.174.8 numfiles (FI-2730)	
Type:	long
Default Value:	250
2.3.174.9 numlines (FI-2731)	
Type:	long
Default Value:	10000
2.3.174.10 numminutes (FI-2732)	
Type:	long
Default Value:	1440
2.3.174.11 outputdebugstringflag (FI-2738)	
Type:	bool
Default Value:	FALSE
2.3.174.12 pkid (FI-2724)	
Type:	guid (Unique, Indexed, Not Modifiable)
Default Value:	newid()
2.3.174.13 sdltracedataflags (FI-2742)	
Type:	string [10]
Default Value:	0x00000111
2.3.174.14 sdltraceflag (FI-2740)	
Type:	bool
Default Value:	FALSE
2.3.174.15 sdltracemaxlines (FI-2745)	
Type:	long
Default Value:	10000
2.3.174.16 sdltracetotalnumfiles (FI-2744)	
Type:	long
Default Value:	250
2.3.174.17 sdltracetypeflags (FI-2741)	
Type:	string [10]
Default Value:	0x00D0CB15
2.3.174.18 sdlxmlflag (FI-2743)	
Type:	bool
Default Value:	FALSE

2.3.174.19 tkservice (FI-2726)	
Type:	enum
2.3.174.20 tracelevel (FI-2727)	
Type:	long
Default Value:	0
2.3.174.21 usercategories (FI-2728)	
Type:	long
Default Value:	0
2.3.174.22 usexml (FI-2734)	
Type:	bool
Default Value:	FALSE
Uniqueness:	No multicolumn uniqueness constraints

2.3.175 typeadminboolean (TI-302)

Description:	Tri-state boolean values Records may be modified only by installation and/or DB triggers.
Fields:	

2.3.175.1 enum (FI-2119)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.175.2 moniker (FI-2121)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
2.3.175.3 name (FI-2120)	
Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.176 typeadminerror (TI-287)

Description:	null Records may be modified only by installation and/or DB triggers.
Fields:	

2.3.176.1 enum (FI-2005)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.176.2 moniker (FI-2007)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.176.3 name (FI-2006)	
Type:	string [512] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.177 typeadminfieldinfo (TI-301)

Description:	Overrides field info entries for validation Records may be modified only by installation and/or DB triggers.

Fields:

2.3.177.1 checkconstraint (FI-2115)	
Type:	string [255] (Not Modifiable)
Default Value:	EMPTY
2.3.177.2 enum (FI-2111)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.177.3 overunique (FI-2118)	
Type:	string [255] (Not Modifiable)
Default Value:	EMPTY
2.3.177.4 propnotnull (FI-2117)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
2.3.177.5 propnull (FI-2116)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
2.3.177.6 tkadminboolean_isunique (FI-2113)	
Type:	enum (Not Modifiable)
Default Value:	2
2.3.177.7 tkadminboolean_nullallowed (FI-2112)	
Type:	enum (Not Modifiable)
Default Value:	2
2.3.177.8 validation (FI-2114)	
Type:	string [255] (Not Modifiable)
Default Value:	EMPTY

Uniqueness:	No multicolumn uniqueness constraints

2.3.178 typeadminfieldinfomap (TI-300)

Description:	Maps Admin fields for validation Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.178.1 enum (FI-2105)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.178.2 maxlength (FI-2776)	
	Type:	long (Not Modifiable, Null OK)
	Remarks:	Maxlength for Textbox
	2.3.178.3 property (FI-2107)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	2.3.178.4 tkadminfieldinfo (FI-2108)	
	Type:	enum (Not Modifiable, Null OK)
	2.3.178.5 tkfieldinfo (FI-2109)	
	Type:	enum (Not Modifiable)
	2.3.178.6 tkrelatedfieldinfo (FI-2110)	
	Type:	enum (Not Modifiable, Null OK)
	2.3.178.7 tkwebpageinfo (FI-2106)	
	Type:	enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.179 typealarmseverity (TI-160)

Description:	Used for AlarmConfiguration severities Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.179.1 enum (FI-893)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.179.2 moniker (FI-895)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.179.3 name (FI-894)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.180 typeannouncements (TI-256)

Description:	IPVMSA apps announcements Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.180.1 enum (FI-1807)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.180.2 filename1 (FI-1810)
	Type: string [128] (Not Modifiable)
	Default Value: EMPTY
	2.3.180.3 filename2 (FI-1812)
	Type: string [255] (Not Modifiable)
	Default Value: EMPTY
	2.3.180.4 intervalvalue (FI-1809)
	Type: long (Not Modifiable)
	2.3.180.5 isuserlocale1 (FI-1811)
	Type: long (Not Modifiable)
	2.3.180.6 isuserlocale2 (FI-1813)
	Type: long (Not Modifiable)
	Default Value: 0
	2.3.180.7 name (FI-1808)
	Type: string [128] (Unique, Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.181 typeapplication (TI-214)

Description:	List of applications that support MLA Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.181.1 enum (FI-1414)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.181.2 moniker (FI-1615)
	Type: string [128] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.181.3 name (FI-1415)
	Type: string [50] (Unique, Not Modifiable)
	2.3.181.4 vroot (FI-1416)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
Uniqueness:	No multicolumn uniqueness constraints

2.3.182 typeapplicationdialrule (TI-391)

Description:	Various Dial Rules Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.182.1 enum (FI-2882)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.182.2 moniker (FI-2884)** Type: string [100] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.182.3 name (FI-2883)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.183 typeappserver (TI-374)

Description:	Various types of App servers Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.183.1 enum (FI-2764)** Type: enum (Unique, Not Modifiable) **2.3.183.2 moniker (FI-2767)** Type: string [50] (Unique, Not Modifiable) Default Value: EMPTY **2.3.183.3 name (FI-2766)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.184 typeappservercontent (TI-375)

Description:	Differentiates the contents per App server Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.184.1 enum (FI-2768)** Type: enum (Unique, Not Modifiable) **2.3.184.2 moniker (FI-2770)** Type: string [50] (Unique, Not Modifiable) Default Value: EMPTY **2.3.184.3 name (FI-2769)** Type: string [100] (Not Modifiable) **2.3.184.4 tkappserver (FI-2771)** Type: enum
Uniqueness:	No multicolumn uniqueness constraints

2.3.185 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:

2.3.185.1 enum (FI-1924)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.185.2 moniker (FI-1926)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.185.3 name (FI-1925)	
Type:	string [100]

Uniqueness:	No multicolumn uniqueness constraints

2.3.186 typeautoanswer (TI-174)

Description:	types of auto answer Records may be modified only by installation and/or DB triggers.

Fields:

2.3.186.1 enum (FI-1062)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.186.2 moniker (FI-1064)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.186.3 name (FI-1063)	
Type:	string [50] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.187 typebandwidth (TI-37)

Description:	network bandwidth between regions Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.187.1 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.
	2.3.187.2 enum (FI-327)
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.187.3 moniker (FI-426)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.187.4 name (FI-328)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.188 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:	**2.3.188.1 enum (FI-2987)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify a record.
	2.3.188.2 moniker (FI-2989)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
	2.3.188.3 name (FI-2988)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.189 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:	**2.3.189.1 enum (FI-2990)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify a record.
	2.3.189.2 moniker (FI-2992)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
	2.3.189.3 name (FI-2991)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.190 typebatfrequency (TI-339)

Description:	Duration frequency types Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.190.1 enum (FI-2521)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.190.2 moniker (FI-2523)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
	2.3.190.3 name (FI-2522)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.191 typebatfunction (TI-338)

Description:	Different Functions of BAT Jobs Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.191.1 allowsuploading (FI-2661)**
	Type: bool (Not Modifiable)
	Default Value: FALSE
	Remarks: Is the BAT CSV file uploaded for this function
	2.3.191.2 enum (FI-2518)
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.191.3 filelocation (FI-2662)
	Type: string [100] (Null OK)
	Remarks: Location of BAT CSV Files based on location
	2.3.191.4 moniker (FI-2520)
	Type: string [50] (Unique, Not Modifiable)

Default Value:	EMPTY
2.3.191.5 name (FI-2519)	
Type:	string [100] (Not Modifiable)
2.3.191.6 tkbatfile (FI-2993)	
Type:	enum (Indexed, Not Modifiable)
Default Value:	0
2.3.191.7 tkbatfilesubclause (FI-2994)	
Type:	enum (Indexed, Not Modifiable)
Default Value:	0
2.3.191.8 tkbattarget (FI-2599)	
Type:	enum (Indexed, Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.192 typebatfunctionfieldinfomap (TI-352)

Description:	Mapping of BAT function with Fields Records may be modified only by installation and/or DB triggers.
Fields:	
2.3.192.1 displayname (FI-2615)	
Type:	string [50]
Remarks:	Display Name of the field in the BAT Pages
2.3.192.2 enum (FI-2610)	
Type:	enum (Unique, Indexed, Not Modifiable)
2.3.192.3 ismandatory (FI-2614)	
Type:	bool
Default Value:	FALSE
Remarks:	Is the Field Mandatory
2.3.192.4 tkbatfunction (FI-2611)	
Type:	enum
Remarks:	Type of Input Data
2.3.192.5 tkbatusage (FI-2612)	
Type:	enum
Remarks:	Type of Input Data
2.3.192.6 tkfieldinfo (FI-2613)	
Type:	enum
Remarks:	Holds the field enum
Uniqueness:	No multicolumn uniqueness constraints

2.3.193 typebatjobstatus (TI-343)

Description:	State of BAT Job Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.193.1 enum (FI-2542)** Type: enum (Unique, Indexed, Not Modifiable) **2.3.193.2 moniker (FI-2544)** Type: string [50] (Unique, Not Modifiable) Default Value: EMPTY **2.3.193.3 name (FI-2543)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.194 typebatresultstatus (TI-351)

Description:	Status of BAT job results Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.194.1 enum (FI-2604)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.194.2 moniker (FI-2602)** Type: string [50] (Unique, Not Modifiable) Default Value: EMPTY **2.3.194.3 name (FI-2603)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.195 typebattarget (TI-340)

Description:	Target for which BAT is performed Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.195.1 enum (FI-2524)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.195.2 moniker (FI-2526)** Type: string [50] (Unique, Not Modifiable) Default Value: EMPTY **2.3.195.3 name (FI-2525)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.196 typebatusage (TI-342)

Description: Data usage submitted from UI
Records may be modified only by installation and/or DB triggers.

Fields:

2.3.196.1 enum (FI-2539)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.196.2 moniker (FI-2541)

Type:	string [50] (Unique, Not Modifiable)
Default Value:	EMPTY

2.3.196.3 name (FI-2540)

Type:	string [100] (Not Modifiable)

Uniqueness: No multicolumn uniqueness constraints

2.3.197 typebillingserverprotocol (TI-382)

Description: billingserverprotocol (0 - SFTP,1 - FTP)
Records may be modified only by installation and/or DB triggers.

Fields:

2.3.197.1 enum (FI-2849)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.197.2 moniker (FI-2850)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.197.3 name (FI-2851)

Type:	string [100] (Not Modifiable)

Uniqueness: No multicolumn uniqueness constraints

2.3.198 typebitpos (TI-239)

Description: Enumerates the bit positions
Records may be modified only by installation and/or DB triggers.

Fields:

2.3.198.1 enum (FI-1733)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.198.2 moniker (FI-1734)

Type:	string [128] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.198.3 name (FI-1908)

	Type:	string [50]
Uniqueness:	No multicolumn uniqueness constraints	

2.3.199 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:	**2.3.199.1 enum (FI-329)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.199.2 moniker (FI-429)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.199.3 name (FI-330)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.200 typebriprotocol (TI-222)

Description:	supported BRI protocols Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.200.1 enum (FI-1571)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.200.2 moniker (FI-1573)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.200.3 name (FI-1572)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.201 typecallerid (TI-131)

Description:	ANI vs DNIS Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.201.1 enum (FI-721)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.201.2 moniker (FI-723)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.201.3 name (FI-722)	
	Type:	string [0] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.202 typecallingpartyselection (TI-43)

Description:	Calling Party selection Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.202.1 enum (FI-331)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.202.2 moniker (FI-427)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.202.3 name (FI-332)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.203 typecallstate (TI-185)

Description:	List of Call States defined by Cisco Unified CallManager Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.203.1 enum (FI-1138)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.203.2 moniker (FI-1140)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.203.3 name (FI-1139)	
	Type:	string [50] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.204 typecertificate (TI-313)

Description:	Defines the status of the certificate Records may be modified only by installation and/or DB triggers.

Fields:

2.3.204.1 enum (FI-2160)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.204.2 moniker (FI-2161)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY

2.3.204.3 name (FI-2159)

Type:	string [100] (Unique, Indexed)

Uniqueness:	No multicolumn uniqueness constraints

2.3.205 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:

2.3.205.1 enum (FI-1930)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.205.2 moniker (FI-1932)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.205.3 name (FI-1931)

Type:	string [100]

Uniqueness:	No multicolumn uniqueness constraints

2.3.206 typecertificatestatus (TI-273)

Description:	Defines the different status for certification operation. Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.206.1 enum (FI-1933)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.206.2 moniker (FI-1935)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.206.3 name (FI-1934)	
	Type:	string [100]
Uniqueness:	No multicolumn uniqueness constraints	

2.3.207 typeclass (TI-8)

Description:	generic device type labels Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.207.1 enum (FI-300)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.207.2 moniker (FI-431)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.207.3 name (FI-301)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.208 typeclockreference (TI-41)

Description:	Internal vs. external clock reference Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.208.1 enum (FI-335)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.208.2 moniker (FI-432)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.208.3 name (FI-336)	
	Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.209 typeconnectedpbx (TI-196)

Description:	Type of PBX models connected to Cisco Unified CallManager over QSIG trunk Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.209.1 enum (FI-1267)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.209.2 moniker (FI-1268)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.209.3 name (FI-1269)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.210 typecountry (TI-42)

Description:	Countries for which Cisco Unified CallManager can generate proper network tones Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.210.1 enum (FI-338)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.210.2 moniker (FI-433)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.210.3 name (FI-339)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.211 typecsuparam (TI-44)

Description:	CSU parameter for PRI interface Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.211.1 enum (FI-342)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.211.2 moniker (FI-434)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.211.3 name (FI-343)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.212 typedayofweek (TI-309)

Description:	Used for Time Period Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.212.1 enum (FI-2148)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.212.2 moniker (FI-2146)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	2.3.212.3 name (FI-2147)	
	Type:	string [100] (Unique, Indexed)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.213 typedberrors (TI-257)

Description:	Database error definitions Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.213.1 enum (FI-1815)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.213.2 moniker (FI-1817)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.213.3 name (FI-1816)	
	Type:	string [512] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.214 typedevicefeature (TI-208)

Description:	List of feature for a device. Records may be modified only by installation and/or DB triggers.

Fields:

2.3.214.1 enum (FI-1366)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.214.2 isusermodifiable (FI-1368)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
2.3.214.3 moniker (FI-1369)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.214.4 name (FI-1367)	
Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.215 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:

2.3.215.1 enum (FI-826)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.215.2 moniker (FI-827)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.215.3 name (FI-828)	
Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.216 typedeviceprotocol (TI-46)

Description:	protocol used by device Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.216.1 enum (FI-344)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.216.2 moniker (FI-435)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.216.3 name (FI-345)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.217 typedevicesecuritymode (TI-213)

Description:	Used for specifying Device Security Mode Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.217.1 enum (FI-1411)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.217.2 moniker (FI-1412)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.217.3 name (FI-1413)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.218 typedialparameter (TI-325)

Description:	Dial Parameter types Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.218.1 enum (FI-2440)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.218.2 moniker (FI-2441)	
	Type:	string [100] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.218.3 name (FI-2442)	
	Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.219 typedialpattern (TI-323)

Description:	Dial Pattern types Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.219.1 enum (FI-2436)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.219.2 moniker (FI-2435)** Type: string [100] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.219.3 name (FI-2434)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.220 typedigitsending (TI-109)

Description:	DTMF, MF, PULSE Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.220.1 enum (FI-565)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.220.2 moniker (FI-567)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.220.3 name (FI-566)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.221 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:	**2.3.221.1 enum (FI-1272)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.221.2 mask (FI-1270)	
	Type:	long (Not Modifiable)
	2.3.221.3 moniker (FI-1273)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.221.4 name (FI-1271)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.222 typednusage (TI-241)

Description:	Enumerates the type of extensions for users. Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.222.1 enum (FI-1739)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.222.2 moniker (FI-1740)	
	Type:	string [128] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.222.3 name (FI-1741)	
	Type:	string [128] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.223 typedrfregistered (TI-291)

Description:	Disater recovery framework status of framewrok Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.223.1 enum (FI-2023)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.223.2 moniker (FI-2025)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.223.3 name (FI-2024)	

	Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.224 typedrfscript (TI-290)

Description:	Disater recovery framework type of script Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.224.1 enum (FI-2020)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.224.2 moniker (FI-2022)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.224.3 name (FI-2021)	
	Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.225 typedtmfsignaling (TI-324)

Description:	DTMF Signaling Types Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.225.1 enum (FI-2439)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.225.2 moniker (FI-2438)	
	Type:	string [100] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.225.3 name (FI-2437)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.226 typeencode (TI-47)

Description:	a-law vs. u-law Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.226.1 enum (FI-346)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.226.2 moniker (FI-436)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.226.3 name (FI-347)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.227 typefdlchannel (TI-126)

Description:	used for T1 and PRI Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.227.1 enum (FI-724)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.227.2 moniker (FI-726)
	Type: string [0] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.227.3 name (FI-725)
	Type: string [0] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.228 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:	**2.3.228.1 englishlabel (FI-1274)**
	Type: string [16] (Not Modifiable)
	Default Value: EMPTY
	Remarks: The English label for a feature key, such as "Privacy".
	2.3.228.2 enum (FI-348)
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.228.3 moniker (FI-437)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY

Remarks:	A sort name to identify the record

2.3.228.4 name (FI-349)

Type:	string [100] (Not Modifiable)

2.3.228.5 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

Uniqueness: No multicolumn uniqueness constraints

2.3.229 typefieldinfo (TI-266)

Description: Field information (datadictionary in database)
Records may be modified only by installation and/or DB triggers.

Fields:

2.3.229.1 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)

2.3.229.2 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.

2.3.229.3 dntype (FI-1937)

Type:	long (Not Modifiable, Null OK)
Remarks:	If the FieldType is DN, then this is the type of DN.

2.3.229.4 enum (FI-1873)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	Integer that enumerates column

2.3.229.5 errormsg (FI-2963)

Type:	string [4096] (Not Modifiable, Null OK)

2.3.229.6 fieldname (FI-1875)

Type:	string [37] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Name of column

2.3.229.7 fieldtype (FI-1876)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Type of column

2.3.229.8 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

2.3.229.9 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)

2.3.229.10 isindexed (FI-1883)

Type:	bool (Not Modifiable, Null OK)
Remarks:	True if this column should be optiomize for searching

2.3.229.11 isunique (FI-1882)

Type:	bool (Not Modifiable, Null OK)
Remarks:	True if the value in this column unique for this table.

2.3.229.12 length (FI-1877)

Type:	long (Not Modifiable, Null OK)
Remarks:	Maximum number of charters in a string

2.3.229.13 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.

2.3.229.14 notmodifiable (FI-1887)

Type:	bool (Not Modifiable, Null OK)
Remarks:	True if can not be modified by user (only modified by install or trigger)

2.3.229.15 nullallowed (FI-1880)

Type:	bool (Not Modifiable, Null OK)
Remarks:	True if this column can be NULL

2.3.229.16 remarks (FI-2962)

Type:	string [4096] (Not Modifiable, Null OK)

2.3.229.17 tktableinfo (FI-1874)

Type:	long (Not Modifiable, Null OK)
Remarks:	ID of table associated with column

2.3.229.18 validation (FI-1878)

Type:	string [255] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Text that describes validation rules

Uniqueness:	No multicolumn uniqueness constraints

2.3.230 typeforward (TI-48)

Description:	all, busy, no answer Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.230.1 enum (FI-350)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.230.2 moniker (FI-438)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.230.3 name (FI-351)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.231 typeframing (TI-125)

Description:	used for T1 and PRI Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.231.1 enum (FI-730)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.231.2 moniker (FI-732)	
	Type:	string [0] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.231.3 name (FI-731)	
	Type:	string [0] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.232 typegkoption (TI-49)

Description:	type of H.323 gate keeper Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.232.1 enum (FI-352)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.232.2 moniker (FI-439)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.232.3 name (FI-353)	
	Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.233 typegroupversionstamp (TI-414)

Description:	null

Fields:

2.3.233.1 enum (FI-3131)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.233.2 moniker (FI-3133)

Type:	string [50] (Unique, Not Modifiable)
Default Value:	EMPTY

2.3.233.3 name (FI-3132)

Type:	string [100] (Not Modifiable)

2.3.233.4 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

2.3.234 typehuntalgorithm (TI-226)

Description:	Defines type of hunt algorithm supported Records may be modified only by installation and/or DB triggers.

Fields:

2.3.234.1 enum (FI-1624)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.234.2 moniker (FI-1626)

Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.234.3 name (FI-1625)

Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.235 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:	**2.3.235.1 enum (FI-1966)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.235.2 moniker (FI-1968)	
	Type:	string [100] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.235.3 name (FI-1967)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.236 typeipmalinemode (TI-387)

Description:	Distinguishes between proxy and shared Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.236.1 enum (FI-2872)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.236.2 moniker (FI-2873)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.236.3 name (FI-2874)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.237 typeipmatarget (TI-388)

Description:	Mgr/Asst(1) vs. Anyconfigured no.(2) Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.237.1 enum (FI-2875)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.237.2 moniker (FI-2876)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.237.3 name (FI-2877)	
	Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.238 typekeyauthority (TI-404)

Description:	Defines different key types for Devices Records may be modified only by installation and/or DB triggers.

Fields:

2.3.238.1 enum (FI-3006)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.238.2 moniker (FI-3008)

Type:	string [50] (Unique, Not Modifiable)
Default Value:	EMPTY

2.3.238.3 name (FI-3007)

Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.239 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:

2.3.239.1 enum (FI-1927)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.239.2 moniker (FI-1929)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.239.3 name (FI-1928)

Type:	string [100]

Uniqueness:	No multicolumn uniqueness constraints

2.3.240 typelampblinkrate (TI-132)

Description:	Allowed values for lamp blink rates. Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.240.1 enum (FI-736)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.240.2 moniker (FI-738)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.240.3 name (FI-737)	
	Type:	string [0] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.241 typelanguage (TI-171)

Description:	list of languages Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.241.1 code (FI-1043)**	
	Type:	string [10] (Not Modifiable)
	Default Value:	EMPTY
	2.3.241.2 enum (FI-1041)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.241.3 isinuse (FI-1044)	
	Type:	bool (Not Modifiable)
	2.3.241.4 moniker (FI-1045)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.241.5 name (FI-1042)	
	Type:	string [50] (Not Modifiable)
	2.3.241.6 nativename (FI-1049)	
	Type:	string [100] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	Localized name of language (e.g., Deutsch for German)
	2.3.241.7 tklanguagegroup (FI-1797)	
	Type:	enum (Not Modifiable, Null OK)
	Default Value:	NULL
Uniqueness:	No multicolumn uniqueness constraints	

2.3.242 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:	**2.3.242.1 enum (FI-1794)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.242.2 moniker (FI-1795)** Type: string [128] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.242.3 name (FI-1796)** Type: string [128] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.243 typeldapprotocol (TI-276)

Description:	Defines different LDAP Protocols Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.243.1 enum (FI-1947)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.243.2 moniker (FI-1949)** Type: string [128] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.243.3 name (FI-1948)** Type: string [128] **2.3.243.4 tkldapserver (FI-1950)** Type: enum
Uniqueness:	No multicolumn uniqueness constraints

2.3.244 typeldapserver (TI-263)

Description:	Used for LDAP Directory Plugin Server type Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.244.1 displayname (FI-1852)**
	Type: string [128] (Not Modifiable)
	Default Value: EMPTY
	2.3.244.2 enum (FI-1849)
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.244.3 moniker (FI-1850)
	Type: string [128] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.244.4 name (FI-1851)
	Type: string [128] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.245 typeldapserverattr (TI-264)

Description:	Used for LDAP Directory Plugin attribute types Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.245.1 displayed (FI-1891)**
	Type: bool
	Default Value: FALSE
	2.3.245.2 displayname (FI-1856)
	Type: string [128] (Not Modifiable)
	Default Value: EMPTY
	2.3.245.3 enum (FI-1853)
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.245.4 moniker (FI-1854)
	Type: string [128] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.245.5 name (FI-1855)
	Type: string [128] (Unique, Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.246 typelicensefeature (TI-360)

Description:	Type table containing information on features licensed Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.246.1 enum (FI-2671)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.246.2 featuredescription (FI-2674)	
	Type:	string [255] (Not Modifiable, Null OK)
	2.3.246.3 moniker (FI-2673)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	2.3.246.4 name (FI-2672)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.247 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:		
	2.3.247.1 enum (FI-2675)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.247.2 moniker (FI-2677)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	2.3.247.3 name (FI-2676)	
	Type:	string [100] (Not Modifiable)
	2.3.247.4 tklicensefeature (FI-2678)	
	Type:	enum (Not Modifiable)
	2.3.247.5 units (FI-2679)	
	Type:	long (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.248 typematrix (TI-319)

Description:	Matrix Type Table Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.248.1 enum (FI-2376)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: Unique Key
	2.3.248.2 moniker (FI-2378)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: Name to be used by program
	2.3.248.3 name (FI-2377)
	Type: string [50] (Unique, Indexed)
	Remarks: A name to identify the record
Uniqueness:	No multicolumn uniqueness constraints

2.3.249 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:	**2.3.249.1 enum (FI-2578)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.249.2 moniker (FI-2580)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
	2.3.249.3 name (FI-2579)
	Type: string [100] (Not Modifiable)
	2.3.249.4 tkmatrix (FI-2581)
	Type: enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.250 typemediapayload (TI-224)

Description:	Used for H323 FastStart Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.250.1 enum (FI-1609)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.250.2 moniker (FI-1611)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.250.3 name (FI-1610)

	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.251 typemgcpslotmodule (TI-140)

Description:	Known types of slot modules for MGCP Records may be modified only by installation and/or DB triggers.

Fields:

2.3.251.1 configurableportnumbers (FI-1201)	
Type:	bool (Not Modifiable)
Default Value:	0
2.3.251.2 enum (FI-782)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.251.3 maxsubunits (FI-1121)	
Type:	long (Not Modifiable)
Default Value:	1
2.3.251.4 moniker (FI-784)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.251.5 name (FI-783)	
Type:	string [50] (Not Modifiable)
2.3.251.6 tkproduct_slotmodule (FI-803)	
Type:	enum (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.252 typemgcpvic (TI-141)

Description:	Known types of Vics for MGCP Records may be modified only by installation and/or DB triggers.

Fields:

2.3.252.1 beginningportnumber (FI-1022)	
Type:	long (Not Modifiable)
2.3.252.2 beginportnum_second (FI-1123)	
Type:	long (Not Modifiable, Null OK)
Default Value:	NULL
2.3.252.3 enum (FI-785)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.252.4 maxnumports (FI-797)	
Type:	long (Not Modifiable)

	2.3.252.5 moniker (FI-787)
	Type: string [100] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.252.6 name (FI-786)
	Type: string [50] (Not Modifiable)
	2.3.252.7 tkproduct_second (FI-1122)
	Type: enum (Not Modifiable, Null OK)
	Default Value: NULL
	2.3.252.8 tkproduct_vic (FI-806)
	Type: enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.253 typemixer (TI-51)

Description:	mixer for conferece bridge Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.253.1 enum (FI-354)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.253.2 moniker (FI-440)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.253.3 name (FI-355)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.254 typemodel (TI-79)

Description:	all device types (was typeDevice) Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.254.1 defaultdtmfcapability (FI-591)**
	Type: long (Not Modifiable)
	2.3.254.2 enum (FI-302)
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.254.3 moniker (FI-441)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY

Remarks:	A sort name to identify the record
2.3.254.4 name (FI-303)	
Type:	string [100] (Not Modifiable)
2.3.254.5 showindevicedefaults (FI-568)	
Type:	bool (Not Modifiable)
Migration Source:	new
2.3.254.6 tkclass (FI-305)	
Type:	enum (Not Modifiable)
2.3.254.7 tkrisclass (FI-1051)	
Type:	enum (Not Modifiable, Null OK)
Default Value:	NULL
2.3.254.8 tksubclass (FI-2893)	
Type:	enum (Null OK)
Remarks:	The sub class of the model

Uniqueness: No multicolumn uniqueness constraints

2.3.255 typemohcodec (TI-156)

Description: used for MOH
Records may be modified only by installation and/or DB triggers.

Fields:

2.3.255.1 enum (FI-879)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.255.2 moniker (FI-881)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.255.3 name (FI-880)	
Type:	string [100] (Not Modifiable)

Uniqueness: No multicolumn uniqueness constraints

2.3.256 typemonitor (TI-159)

Description: Used for AlarmConfiguration monitors
Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.256.1 display (FI-899)**	
	Type:	bool (Not Modifiable)
	2.3.256.2 displayservername (FI-900)	
	Type:	bool (Not Modifiable)
	2.3.256.3 enum (FI-890)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.256.4 moniker (FI-892)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.256.5 monitorstatus (FI-923)	
	Type:	bool (Not Modifiable)
	2.3.256.6 name (FI-891)	
	Type:	string [100] (Not Modifiable)
	2.3.256.7 tkalarmseverity (FI-927)	
	Type:	enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.257 typemonthofyear (TI-310)

Description:	Used for Time Period Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.257.1 enum (FI-2151)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.257.2 moniker (FI-2150)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	2.3.257.3 name (FI-2149)	
	Type:	string [100] (Unique, Indexed)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.258 typemwlpolicy (TI-175)

Description:	Policies for Message Waiting Light Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.258.1 enum (FI-1059)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.258.2 moniker (FI-1061)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.258.3 name (FI-1060)
	Type: string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.259 typenetworklocation (TI-54)

Description:	On/Off Network Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.259.1 enum (FI-359)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.259.2 moniker (FI-443)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.259.3 name (FI-360)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.260 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:	**2.3.260.1 enum (FI-1164)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.260.2 moniker (FI-1166)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.260.3 name (FI-1165)
	Type: string [50] (Not Modifiable)
	2.3.260.4 nsfservicecode (FI-1168)

	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	2.3.260.5 parametername (FI-1167)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints	

2.3.261 typenullrestriction (TI-336)

Description:	Matt will fill this in Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.261.1 enum (FI-2506)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.261.2 name (FI-2507)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.262 typenumberingplan (TI-121)

Description:	Numbering Plan for PRI Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.262.1 enum (FI-670)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.262.2 moniker (FI-672)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.262.3 name (FI-684)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.263 typeoperator (TI-55)

Description:	operators used by GUI with Route Filter Details Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.263.1 enum (FI-361)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.263.2 moniker (FI-444)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.263.3 name (FI-362)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.264 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:	**2.3.264.1 enum (FI-1921)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.264.2 moniker (FI-1923)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.264.3 name (FI-1922)
	Type: string [100]
Uniqueness:	No multicolumn uniqueness constraints

2.3.265 typeparam (TI-89)

Description:	parameter types for service configuration Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.265.1 enum (FI-363)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.265.2 moniker (FI-445)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.265.3 name (FI-364)
	Type: string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.266 typepattern (TI-326)

Description:	Pattern Types Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.266.1 enum (FI-2445)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.266.2 moniker (FI-2444)** Type: string [100] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.266.3 name (FI-2443)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.267 typepatternprecedence (TI-198)

Description:	MLPP Precedence level Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.267.1 enum (FI-1282)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.267.2 moniker (FI-1283)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.267.3 name (FI-1284)** Type: string [100] (Not Modifiable) **2.3.267.4 precedencelevel (FI-2338)** Type: long (Null OK) Default Value: NULL
Uniqueness:	No multicolumn uniqueness constraints

2.3.268 typepatternusage (TI-93)

Description:	type of pattern in NumPlan Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.268.1 enum (FI-367)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.268.2 moniker (FI-446)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.268.3 name (FI-368)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.269 typepersonalphonenumber (TI-247)

Description:	categorizes as fax, mobile etc. Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.269.1 enum (FI-1707)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.269.2 moniker (FI-1709)	
	Type:	string [128] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.269.3 name (FI-1708)	
	Type:	string [50] (Unique, Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.270 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:	**2.3.270.1 enum (FI-982)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.270.2 moniker (FI-984)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.270.3 name (FI-983)	
	Type:	string [100] (Not Modifiable)
	2.3.270.4 tkmodel (FI-994)	

	Type:	enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.271 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:	**2.3.271.1 enum (FI-703)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.271.2 moniker (FI-704)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.271.3 name (FI-705)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.272 typepreemption (TI-199)

Description:	Type of preemption behavior or tone (for MLPP) Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.272.1 enum (FI-1285)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.272.2 moniker (FI-1287)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.272.3 name (FI-1286)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.273 typepresentationbit (TI-56)

Description:	Presentaton bit for access ports Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.273.1 enum (FI-371)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.273.2 moniker (FI-447)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.273.3 name (FI-372)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.274 typeprichanie (TI-57)

Description:	Digital Access Pri channel IE values Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.274.1 enum (FI-373)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.274.2 moniker (FI-448)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.274.3 name (FI-374)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.275 typepriofnumber (TI-95)

Description:	null Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.275.1 enum (FI-376)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.275.2 moniker (FI-449)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.275.3 name (FI-377)	
	Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.276 typepriprotocol (TI-58)

Description:	supported Primary Rate protocols Records may be modified only by installation and/or DB triggers.

Fields:

2.3.276.1 enum (FI-378)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.276.2 isqsig (FI-1907)

Type:	bool (Not Modifiable)
Default Value:	FALSE

2.3.276.3 moniker (FI-450)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.276.4 name (FI-379)

Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.277 typeproduct (TI-117)

Description:	complete list of products for combo boxes Records may be modified only by installation and/or DB triggers.

Fields:

2.3.277.1 devicenameformat (FI-1016)

Type:	string [255] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Use regular expression (up to 255 characters) to define format

2.3.277.2 devicenamestring (FI-1025)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY

2.3.277.3 enum (FI-650)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.277.4 isinstalleddefault (FI-1019)

Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Is this product included in a default installation

2.3.277.5 maxports (FI-654)

Type:	long (Not Modifiable)

2.3.277.6 moniker (FI-652)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.277.7 name (FI-651)	
Type:	string [100] (Not Modifiable)
2.3.277.8 showindropdown (FI-663)	
Type:	bool (Not Modifiable)
2.3.277.9 tkmodel (FI-653)	
Type:	enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.278 typeproductconfig (TI-118)

Description:	list of configurable attributes used with ProductCapabilities Records may be modified only by installation and/or DB triggers.
Fields:	

2.3.278.1 enum (FI-655)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.278.2 moniker (FI-657)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.278.3 name (FI-656)	
Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.279 typeprotocolside (TI-59)

Description:	user/network values Records may be modified only by installation and/or DB triggers.
Fields:	

2.3.279.1 enum (FI-380)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.279.2 moniker (FI-451)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.279.3 name (FI-381)	
Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.280 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:

2.3.280.1 enum (FI-1403)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.280.2 moniker (FI-1405)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.280.3 name (FI-1404)

Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.281 typerelatedfieldinfo (TI-335)

Description:	Charlie will fill this in Records may be modified only by installation and/or DB triggers.

Fields:

2.3.281.1 checkconstraint (FI-2502)

Type:	string [255]
Default Value:	EMPTY

2.3.281.2 conditionalvalue (FI-2495)

Type:	string [100] (Null OK)

2.3.281.3 defaultvalue (FI-2498)

Type:	string [50] (Null OK)
Default Value:	EMPTY

2.3.281.4 dntype (FI-2503)

Type:	long (Null OK)

2.3.281.5 enum (FI-2491)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.281.6 involvedfields (FI-2493)

Type:	string [255]
Default Value:	EMPTY

2.3.281.7 length (FI-2497)

Type:	long (Null OK)

2.3.281.8 notmodifiable (FI-2500)

Type:	bool
2.3.281.9 optype (FI-2505)	
Type:	long (Null OK)
2.3.281.10 remarks (FI-2504)	
Type:	memo
Default Value:	EMPTY
2.3.281.11 tkfieldinfo_conditional (FI-2494)	
Type:	enum (Null OK)
2.3.281.12 tkfieldinfo_enforcedon (FI-2496)	
Type:	enum (Null OK)
2.3.281.13 tknullrestriction (FI-2499)	
Type:	enum (Null OK)
2.3.281.14 tktableinfo (FI-2492)	
Type:	enum
2.3.281.15 validation (FI-2501)	
Type:	string [255]
Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints

2.3.282 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:	**2.3.282.1 enum (FI-1288)**
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.282.2 moniker (FI-1290)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.282.3 name (FI-1289)	
Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.283 typereset (TI-254)

Description:	Having soft and hard reset types Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.283.1 enum (FI-1785)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.283.2 moniker (FI-1786)	
	Type:	string [128] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.283.3 name (FI-1806)	
	Type:	string [128] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.284 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:	**2.3.284.1 enum (FI-3022)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.284.2 moniker (FI-3024)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
	2.3.284.3 name (FI-3023)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.285 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:	**2.3.285.1 enum (FI-1672)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.285.2 moniker (FI-1674)
	Type: string [128] (Unique, Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.285.3 name (FI-1673)
	Type: string [128] (Not Modifiable)
	2.3.285.4 prefix (FI-2003)
	Type: string [50]

	Default Value:	EMPTY
	Remarks:	Strut action prefixes for a resource.
	2.3.285.5 tkapplication (FI-1814)	
	Type:	enum (Not Modifiable, Null OK)
	Default Value:	NULL
Uniqueness:	No multicolumn uniqueness constraints	

2.3.286 typeresourceaction (TI-236)

Description:	Actions and references to resources. Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.286.1 enum (FI-1675)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.286.2 moniker (FI-1677)	
	Type:	string [128] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.286.3 name (FI-1676)	
	Type:	string [128] (Not Modifiable)
	2.3.286.4 tkbitpos (FI-1679)	
	Type:	enum (Not Modifiable)
	2.3.286.5 tkresource (FI-1678)	
	Type:	enum (Not Modifiable)
Uniqueness:	moniker + tkresource is unique. (MFI-39) tkbitpos + tkresource is unique. (MFI-40)	

2.3.287 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:	**2.3.287.1 enum (FI-1131)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.287.2 islinecompatible (FI-1134)	
	Type:	bool (Not Modifiable)
	Default Value:	FALSE
	Remarks:	Whether this enum can be used as line setting for device or not
	2.3.287.3 moniker (FI-1133)	
	Type:	string [50] (Not Modifiable)

	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.287.4 name (FI-1132)	
	Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.288 typerisclass (TI-173)

Description:	Table of risc mananaged class of device Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.288.1 enum (FI-1052)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.288.2 moniker (FI-1054)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.288.3 name (FI-1053)	
	Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.289 typerisstatus (TI-282)

Description:	Lists Ris Status Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.289.1 enum (FI-1988)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.289.2 moniker (FI-1990)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.289.3 name (FI-1989)	
	Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.290 typerule (TI-395)

Description:	Rules Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.290.1 description (FI-2951)**
	Type: string [256] (Not Modifiable)
	2.3.290.2 enum (FI-2949)
	Type: enum (Not Modifiable)
	2.3.290.3 name (FI-2950)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.291 typeruleinfo (TI-396)

Description:	Rule Info Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.291.1 description (FI-2955)**
	Type: string [4096] (Not Modifiable, Null OK)
	2.3.291.2 enum (FI-2952)
	Type: enum (Not Modifiable)
	2.3.291.3 errormessage (FI-2957)
	Type: string [4096] (Not Modifiable, Null OK)
	2.3.291.4 implemented (FI-2959)
	Type: bool (Not Modifiable)
	Default Value: FALSE
	2.3.291.5 remedy (FI-2958)
	Type: string [4096] (Not Modifiable, Null OK)
	2.3.291.6 rulename (FI-2954)
	Type: string [100] (Not Modifiable)
	2.3.291.7 testcondition (FI-2956)
	Type: string [4096] (Not Modifiable, Null OK)
	2.3.291.8 tkrule (FI-2953)
	Type: long (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.292 typescheduleunit (TI-296)

Description:	Used to determine a scheduling unit of time Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.292.1 displayname (FI-2075)**
	Type: string [128] (Not Modifiable)
	2.3.292.2 enum (FI-2072)
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.292.3 moniker (FI-2073)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.292.4 name (FI-2074)
	Type: string [128] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.293 typesecuritypolicy (TI-327)

Description:	Security Policy Types Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.293.1 enum (FI-2446)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.293.2 moniker (FI-2447)
	Type: string [100] (Not Modifiable)
	Default Value: EMPTY
	Remarks: A sort name to identify the record
	2.3.293.3 name (FI-2448)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.294 typeservice (TI-90)

Description:	types of Cisco voice processes Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.294.1 canbedisabled (FI-1200)**
	Type: bool (Not Modifiable)
	Default Value: TRUE
	2.3.294.2 devicenamemonitorflag (FI-916)
	Type: bool (Not Modifiable)
	2.3.294.3 devicetypemonitorflag (FI-917)
	Type: bool (Not Modifiable)
	2.3.294.4 enable (FI-922)

Type:	bool (Not Modifiable)
2.3.294.5 enabledbydefault (FI-1183)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
2.3.294.6 enum (FI-382)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.294.7 filename (FI-910)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
2.3.294.8 filetraceflag (FI-920)	
Type:	bool (Not Modifiable)
2.3.294.9 includenondevicetraces (FI-921)	
Type:	bool (Not Modifiable)
2.3.294.10 log4jpackage (FI-2081)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
2.3.294.11 maxfilesize (FI-2049)	
Type:	long (Not Modifiable)
Default Value:	1000
Remarks:	Created during installation.
2.3.294.12 maxnumservers (FI-1975)	
Type:	long (Not Modifiable)
Default Value:	2
2.3.294.13 moniker (FI-428)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.294.14 name (FI-383)	
Type:	string [100] (Not Modifiable)
2.3.294.15 nameforcontrol (FI-697)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
2.3.294.16 numfiles (FI-911)	
Type:	long (Not Modifiable)
2.3.294.17 numlines (FI-912)	
Type:	long (Not Modifiable)
2.3.294.18 numminutes (FI-913)	
Type:	long (Not Modifiable)

Remarks:	Trace configuartion option. Maximum minutes of data stored in each trace file.
2.3.294.19 outputdebugstringflag (FI-918)	
Type:	bool (Not Modifiable)
Remarks:	Trace configuartion option. Cisco engineers use this setting
2.3.294.20 servername (FI-909)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
2.3.294.21 supportalarm (FI-1127)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
2.3.294.22 supportsditrace (FI-1125)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	indicator for whether the service support SDI trace
2.3.294.23 supportsdltrace (FI-1126)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	indicator for whether the service support SDL trace
2.3.294.24 supportserviceparams (FI-1182)	
Type:	bool (Not Modifiable)
Default Value:	TRUE
2.3.294.25 supportslog4jtrace (FI-2050)	
Type:	bool (Not Modifiable)
Default Value:	FALSE
Remarks:	Created during installation.
2.3.294.26 tkservicecategory (FI-1124)	
Type:	enum (Not Modifiable)
Default Value:	0
2.3.294.27 tkservicegrouping (FI-1973)	
Type:	enum (Not Modifiable)
Default Value:	0
Remarks:	controls grouping of display
2.3.294.28 tkservicerestriction (FI-1974)	
Type:	enum (Not Modifiable)
Default Value:	0
Remarks:	controls if number of servers can be activated
2.3.294.29 tktracelevelgroups (FI-2059)	
Type:	enum (Not Modifiable)

Default Value:	0
2.3.294.30 tracelevel (FI-915)	
Type:	long (Not Modifiable)
2.3.294.31 tracelevelcategory (FI-2048)	
Type:	long (Not Modifiable)
Default Value:	0
Remarks:	if standard set true during installation.
2.3.294.32 tracename (FI-1219)	
Type:	string [10] (Not Modifiable)
Default Value:	EMPTY
Remarks:	short service name used for trace log
2.3.294.33 usercategories (FI-914)	
Type:	long (Not Modifiable)
2.3.294.34 usexml (FI-919)	
Type:	bool (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.295 typeservicecategory (TI-187)

Description:	list of servcie category Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.295.1 enum (FI-1135)**
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.295.2 moniker (FI-1137)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.295.3 name (FI-1136)	
Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.296 typeservicegrouping (TI-280)

Description:	list of goups of servcies Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.296.1 enum (FI-1978)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.296.2 moniker (FI-1977)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.296.3 name (FI-1976)	
	Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.297 typeserviceрestriction (TI-281)

Description:	Is number of servers servcie can be activated restricted Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.297.1 enum (FI-1982)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.297.2 moniker (FI-1981)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.297.3 name (FI-1980)	
	Type:	string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.298 typesilencesuppressionthreshold (TI-60)

Description:	allowed silence suppression thresholds in dB Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.298.1 enum (FI-384)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.298.2 moniker (FI-452)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.298.3 name (FI-385)	
	Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.299 typesipcodec (TI-205)

Description:	used for SIP Trunk codecs Records may be modified only by installation and/or DB triggers.

Fields:

2.3.299.1 enum (FI-1293)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.299.2 moniker (FI-1292)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.299.3 name (FI-1291)

Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.300 typesoftkey (TI-188)

Description:	Softkey event for Sculpin Records may be modified only by installation and/or DB triggers.

Fields:

2.3.300.1 englishlabel (FI-1144)

Type:	string [16] (Unique, Not Modifiable)
Default Value:	EMPTY
Remarks:	The English label for softkey, such as "Redial".

2.3.300.2 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

2.3.300.3 helpid (FI-1160)

Type:	long (Not Modifiable, Null OK)
Default Value:	NULL
Remarks:	help id for telecatser help text

2.3.300.4 mandatorymask (FI-1145)

Type:	long (Not Modifiable)
Default Value:	0
Remarks:	Indicator for whether the softkey is required in certain call state

2.3.300.5 moniker (FI-1148)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY

Remarks:	A sort name to identify the record

2.3.300.6 name (FI-1147)

Type:	string [50] (Not Modifiable)

2.3.300.7 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

2.3.300.8 tkservice (FI-1142)

Type:	enum (Not Modifiable)
Default Value:	0

2.3.300.9 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

2.3.301 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:

2.3.301.1 enum (FI-1205)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.301.2 moniker (FI-1207)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.301.3 name (FI-1206)

Type:	string [50] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.302 typestartdialprotocol (TI-114)

Description:	Immediate vs wink, etc. Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.302.1 enum (FI-626)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.302.2 moniker (FI-628)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.302.3 name (FI-627)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.303 typestatus (TI-61)

Description:	tri-state values (on, off, default) Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.303.1 enum (FI-386)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.303.2 moniker (FI-453)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.303.3 name (FI-387)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.304 typesubclass (TI-392)

Description:	CIA-309 to facilitate Servicability Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.304.1 enum (FI-2900)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.304.2 moniker (FI-2902)	
	Type:	string [100] (Unique, Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.304.3 name (FI-2901)	
	Type:	string [100] (Not Modifiable)
	2.3.304.4 tkclass (FI-2947)	

Type:	enum (Not Modifiable)

2.3.304.5 value (FI-2948)

Type:	enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.305 typesupportsfeature (TI-179)

Description:	The various features support by CM Records may be modified only by installation and/or DB triggers.

Fields:

2.3.305.1 description (FI-1198)

Type:	string [1024] (Not Modifiable)
Default Value:	EMPTY
Remarks:	Describes the feature and any extra values it might require.

2.3.305.2 enum (FI-1104)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.305.3 hasparameter (FI-1363)

Type:	bool (Not Modifiable)
Default Value:	0
Remarks:	Does this feature have a parameter that the user might enter?

2.3.305.4 isgatewayfeature (FI-1365)

Type:	bool (Not Modifiable)
Default Value:	0
Remarks:	Is this a gateway feature?

2.3.305.5 isphonefeature (FI-1364)

Type:	bool (Not Modifiable)
Default Value:	0
Remarks:	Is this a phone feature?

2.3.305.6 moniker (FI-1106)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.305.7 name (FI-1105)

Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.306 typesystemfeature (TI-96)

Description:	null Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.306.1 enum (FI-375)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.306.2 moniker (FI-454)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.306.3 name (FI-390)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.307 typetableinfo (TI-265)

Description:	Table information (datadictionary in database) Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.307.1 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)
	2.3.307.2 convertcopy (FI-1984)	
	Type:	bool (Not Modifiable)
	Remarks:	true is talbe is to be copied during db conversion
	2.3.307.3 description (FI-1862)	
	Type:	string [255] (Not Modifiable, Null OK)
	Default Value:	EMPTY
	Remarks:	Best development descriptoin of table
	2.3.307.4 enum (FI-1860)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	Integer that enumerates tables
	2.3.307.5 excludechangenotifycheck (FI-1869)	
	Type:	bool (Not Modifiable)
	Remarks:	True if change notify is not used with this able
	2.3.307.6 hasdefaultrecords (FI-1866)	
	Type:	bool (Not Modifiable)
	Remarks:	True if recoreds for this table are found in datadictionary
	2.3.307.7 isreplicated (FI-1863)	
	Type:	bool (Not Modifiable)
	Remarks:	Shall this table be incoperated in to replication configuration.
	2.3.307.8 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.

2.3.307.9 notmodifiable (FI-1871)

Type:	bool (Not Modifiable)
Remarks:	True if can not be modified by user (only modified by install or trigger)

2.3.307.10 nouserinsert (FI-1870)

Type:	bool (Not Modifiable)
Remarks:	True if can not be inserted by user (only inserted by install or trigger)

2.3.307.11 processconfigrelation (FI-2008)

Type:	bool (Not Modifiable)

2.3.307.12 tableguid (FI-2961)

Type:	guid (Not Modifiable)
Default Value:	newid()

2.3.307.13 tablename (FI-1861)

Type:	string [31] (Unique, Indexed, Not Modifiable)
Default Value:	EMPTY
Remarks:	Name of table

Uniqueness: No multicolumn uniqueness constraints

2.3.308 typetelnetlevel (TI-397)

Description: telnet enable level for 7960 and 7940 phones
Records may be modified only by installation and/or DB triggers.

Fields:

2.3.308.1 enum (FI-2969)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.308.2 moniker (FI-2971)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.308.3 name (FI-2970)

Type:	string [0] (Not Modifiable)

Uniqueness: No multicolumn uniqueness constraints

2.3.309 typeterminal (TI-139)

Description: used for gatekeeper
Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.309.1 enum (FI-779)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.309.2 moniker (FI-781)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.309.3 name (FI-780)	
	Type:	string [0] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.310 typetimeofday (TI-311)

Description:	Used for Time Period Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.310.1 enum (FI-2153)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.310.2 moniker (FI-2154)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	2.3.310.3 name (FI-2152)	
	Type:	string [100] (Unique, Indexed)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.311 typetimezone (TI-62)

Description:	24 time zones Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.311.1 abbreviation (FI-3065)**	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	2.3.311.2 bias (FI-1223)	
	Type:	long (Not Modifiable, Null OK)
	Default Value:	NULL
	2.3.311.3 description (FI-396)	
	Type:	string [100] (Not Modifiable)
	Default Value:	EMPTY
	2.3.311.4 dstbias (FI-1227)	
	Type:	long (Not Modifiable, Null OK)

	Default Value:	NULL
	2.3.311.5 dstdate (FI-1226)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	2.3.311.6 enum (FI-394)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.311.7 moniker (FI-461)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.311.8 name (FI-395)	
	Type:	string [100] (Not Modifiable)
	2.3.311.9 stdbias (FI-1225)	
	Type:	long (Not Modifiable, Null OK)
	Default Value:	NULL
	2.3.311.10 stddate (FI-1224)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints	

2.3.312 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:	**2.3.312.1 description (FI-2069)**	
	Type:	string [255] (Not Modifiable)
	Default Value:	EMPTY
	2.3.312.2 enum (FI-2064)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.312.3 moniker (FI-2065)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.312.4 name (FI-2066)	
	Type:	string [100] (Not Modifiable)
	2.3.312.5 tktracelevelgroups (FI-2068)	
	Type:	enum (Not Modifiable)

	Default Value:	0
	2.3.312.6 value (FI-2067)	
	Type:	long (Not Modifiable)
	Default Value:	0
Uniqueness:	No multicolumn uniqueness constraints	

2.3.313 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:	**2.3.313.1 enum (FI-2061)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.313.2 moniker (FI-2062)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.313.3 name (FI-2063)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.314 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:	**2.3.314.1 enum (FI-1294)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.314.2 moniker (FI-1295)	
	Type:	string [100] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.314.3 name (FI-1296)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.315 typetrunk (TI-63)

Description:	trunk types for access devices Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.315.1 enum (FI-412)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.315.2 moniker (FI-456)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.315.3 name (FI-413)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.316 typetrunkdirection (TI-64)

Description:	direction for access ports Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.316.1 enum (FI-397)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.316.2 moniker (FI-457)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.316.3 name (FI-398)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.317 typetrunklevel (TI-65)

Description:	trunk application types Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.317.1 enum (FI-399)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.317.2 moniker (FI-458)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.317.3 name (FI-400)	
	Type:	string [100] (Not Modifiable)
	2.3.317.4 trunkapplicationdescription (FI-401)	

	Type:	string [100] (Not Modifiable)
	Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints	

2.3.318 typetrunkpad (TI-66)

Description:	pad values for trunks in dB Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.318.1 enum (FI-402)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.318.2 moniker (FI-459)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.318.3 name (FI-403)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.319 typetrunkselectionorder (TI-67)

Description:	bottom-up, or top-down selection order Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.319.1 enum (FI-404)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.319.2 moniker (FI-460)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.319.3 name (FI-405)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.320 typetunneledprotocol (TI-312)

Description:	Defines Tunneled Protocol for Intercluster trunks Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.320.1 enum (FI-2158)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.320.2 moniker (FI-2156)	
	Type:	string [100] (Not Modifiable)
	Default Value:	EMPTY
	2.3.320.3 name (FI-2157)	
	Type:	string [100] (Unique, Indexed)
	2.3.320.4 tunneledprotocol (FI-2155)	
	Type:	long
Uniqueness:	No multicolumn uniqueness constraints	

2.3.321 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:		
	2.3.321.1 enum (FI-2449)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.321.2 moniker (FI-2451)	
	Type:	string [100] (Not Modifiable)
	Default Value:	EMPTY
	2.3.321.3 name (FI-2450)	
	Type:	string [100] (Unique, Indexed)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.322 typeuserlocale (TI-169)

Description:	list of user locales Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.322.1 alternatescript (FI-2097)	
	Type:	string [20] (Not Modifiable)
	Default Value:	EMPTY
	2.3.322.2 cmversion (FI-1029)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	2.3.322.3 componentversion (FI-1030)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	2.3.322.4 enum (FI-1084)	

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.322.5 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
2.3.322.6 localecode (FI-2070)	
Type:	string [10] (Not Modifiable)
Default Value:	EMPTY
Remarks:	ISO three character locale code (uppercase): example FRA, ENU, ITA, PTB, ZHH
2.3.322.7 moniker (FI-1034)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.322.8 name (FI-1027)	
Type:	string [50] (Not Modifiable)
2.3.322.9 nativename (FI-1055)	
Type:	string [100] (Not Modifiable)
Default Value:	EMPTY
2.3.322.10 tklanguage_spoken (FI-1032)	
Type:	enum (Not Modifiable)
2.3.322.11 tklanguage_written (FI-1031)	
Type:	enum (Not Modifiable)
2.3.322.12 tkwincharset (FI-1033)	
Type:	enum (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.323 typeuserprofile (TI-356)

Description:	Types of users - Real or Template Records may be modified only by installation and/or DB triggers.

Fields:	**2.3.323.1 enum (FI-2654)**
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.323.2 moniker (FI-2653)
	Type: string [50] (Unique, Not Modifiable)
	Default Value: EMPTY
	2.3.323.3 name (FI-2652)
	Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.324 typewebpageinfo (TI-299)

Description:	List of web pages in CCMAdmin Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.324.1 bundle (FI-2103)**
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	2.3.324.2 description (FI-2102)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	2.3.324.3 enum (FI-2099)
	Type: enum (Unique, Indexed, Not Modifiable)
	Remarks: A number to identify the record
	2.3.324.4 findlisttopicmarker (FI-2513)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	2.3.324.5 formname (FI-2100)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	2.3.324.6 pagename (FI-2104)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	2.3.324.7 title (FI-2101)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
	2.3.324.8 topicmarker (FI-2514)
	Type: string [50] (Not Modifiable)
	Default Value: EMPTY
Uniqueness:	No multicolumn uniqueness constraints

2.3.325 typewincharset (TI-172)

Description:	List of Windows character set Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.325.1 enum (FI-1046)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.325.2 moniker (FI-1048)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.325.3 name (FI-1047)** Type: string [50] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.326 typeyellowalarm (TI-127)

Description:	used for T1 and PRI Records may be modified only by installation and/or DB triggers.
Fields:	**2.3.326.1 enum (FI-727)** Type: enum (Unique, Indexed, Not Modifiable) Remarks: A number to identify the record **2.3.326.2 moniker (FI-729)** Type: string [50] (Not Modifiable) Default Value: EMPTY Remarks: A sort name to identify the record **2.3.326.3 name (FI-728)** Type: string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints

2.3.327 typezerosuppression (TI-124)

Description:	used for T1 and PRI Records may be modified only by installation and/or DB triggers.

Fields:		
	2.3.327.1 enum (FI-733)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.327.2 moniker (FI-735)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.327.3 name (FI-734)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.328 typezzconfbridge (TI-377)

Description:	use local or phone conference bridge (0 - Local,1 - Cisco Unified CallManager Conf) Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.328.1 enum (FI-2777)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.328.2 moniker (FI-2778)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.328.3 name (FI-2779)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.329 typezzdndcontrol (TI-412)

Description:	null Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.329.1 enum (FI-3060)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.329.2 moniker (FI-3062)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	2.3.329.3 name (FI-3061)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.330 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:

2.3.330.1 enum (FI-2783)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.330.2 moniker (FI-2784)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.330.3 name (FI-2785)	
Type:	string [100] (Not Modifiable)

Uniqueness: No multicolumn uniqueness constraints

2.3.331 typezzkpml (TI-380)

Description:	kpml scope (0 - none, 1 - signalonly, 2 - dtmfonly, 3 -both) Records may be modified only by installation and/or DB triggers.

Fields:

2.3.331.1 enum (FI-2786)	
Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record
2.3.331.2 moniker (FI-2787)	
Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record
2.3.331.3 name (FI-2788)	
Type:	string [100] (Not Modifiable)

Uniqueness: No multicolumn uniqueness constraints

2.3.332 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:		
	2.3.332.1 enum (FI-2789)	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.332.2 moniker (FI-2790)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
	Remarks:	A sort name to identify the record
	2.3.332.3 name (FI-2791)	
	Type:	string [100] (Not Modifiable)
Uniqueness:	No multicolumn uniqueness constraints	

2.3.333 typezzntpmode (TI-411)

Description:	null Records may be modified only by installation and/or DB triggers.	
Fields:	**2.3.333.1 enum (FI-3057)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify the record
	2.3.333.2 moniker (FI-3059)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	2.3.333.3 name (FI-3058)	
	Type:	string [100] (Not Modifiable)
	2.3.333.4 phone (FI-3070)	
	Type:	string [50] (Not Modifiable)
	Default Value:	EMPTY
Uniqueness:	No multicolumn uniqueness constraints	

2.3.334 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:	**2.3.334.1 enum (FI-2995)**	
	Type:	enum (Unique, Indexed, Not Modifiable)
	Remarks:	A number to identify a record.
	2.3.334.2 moniker (FI-2997)	
	Type:	string [50] (Unique, Not Modifiable)
	Default Value:	EMPTY
	2.3.334.3 name (FI-2996)	
	Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.335 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:

2.3.335.1 enum (FI-2780)

Type:	enum (Unique, Indexed, Not Modifiable)
Remarks:	A number to identify the record

2.3.335.2 moniker (FI-2781)

Type:	string [50] (Not Modifiable)
Default Value:	EMPTY
Remarks:	A sort name to identify the record

2.3.335.3 name (FI-2782)

Type:	string [100] (Not Modifiable)

Uniqueness:	No multicolumn uniqueness constraints

2.3.336 voicemessagingpilot (TI-176)

Description:	null

Fields:

2.3.336.1 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

2.3.336.2 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:	?

2.3.336.3 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:	?

2.3.336.4 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

2.3.336.5 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

2.3.336.6 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

2.3.336.7 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

2.3.337 voicemessagingprofile (TI-177)

Description: null

Fields:

2.3.337.1 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

2.3.337.2 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

2.3.337.3 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.

2.3.337.4 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

2.3.337.5 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

2.3.337.6 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

2.3.337.7 tkreset (FI-3099)

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

2.3.337.8 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

2.3.337.9 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.

2.3.338 wsmdevice (TI-415)

Description: Contains data for WSM Trunk implementation

Fields:

2.3.338.1 destinationaddress (FI-3138)

Type:	string [255]
Default Value:	EMPTY
Remarks:	ip address or Domain name of WSM device

2.3.338.2 destinationport (FI-3139)

Type:	long
Default Value:	5061
Check Constraint:	((destinationPort >= 1024) AND (destinationPort <= 65535)) OR (destinationPort = 0)

2.3.338.3 fkdevice (FI-3137)

Type:	guid (Unique, Indexed, Cascade Delete)

2.3.338.4 pkid (FI-3136)

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

Uniqueness: No multicolumn uniqueness constraints

2.3.339 wwwcookie (TI-72)

Description: Used for cookie (and related stats) on browsers

Fields:		
	2.3.339.1 callbackdn (FI-279)	
	Type:	dn
	DN Type:	DN_TYPE_ALL_DIGITS
	Validation:	^[0-9*#]{0,50}$
	Migration Source:	CallbackPhone
	2.3.339.2 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	

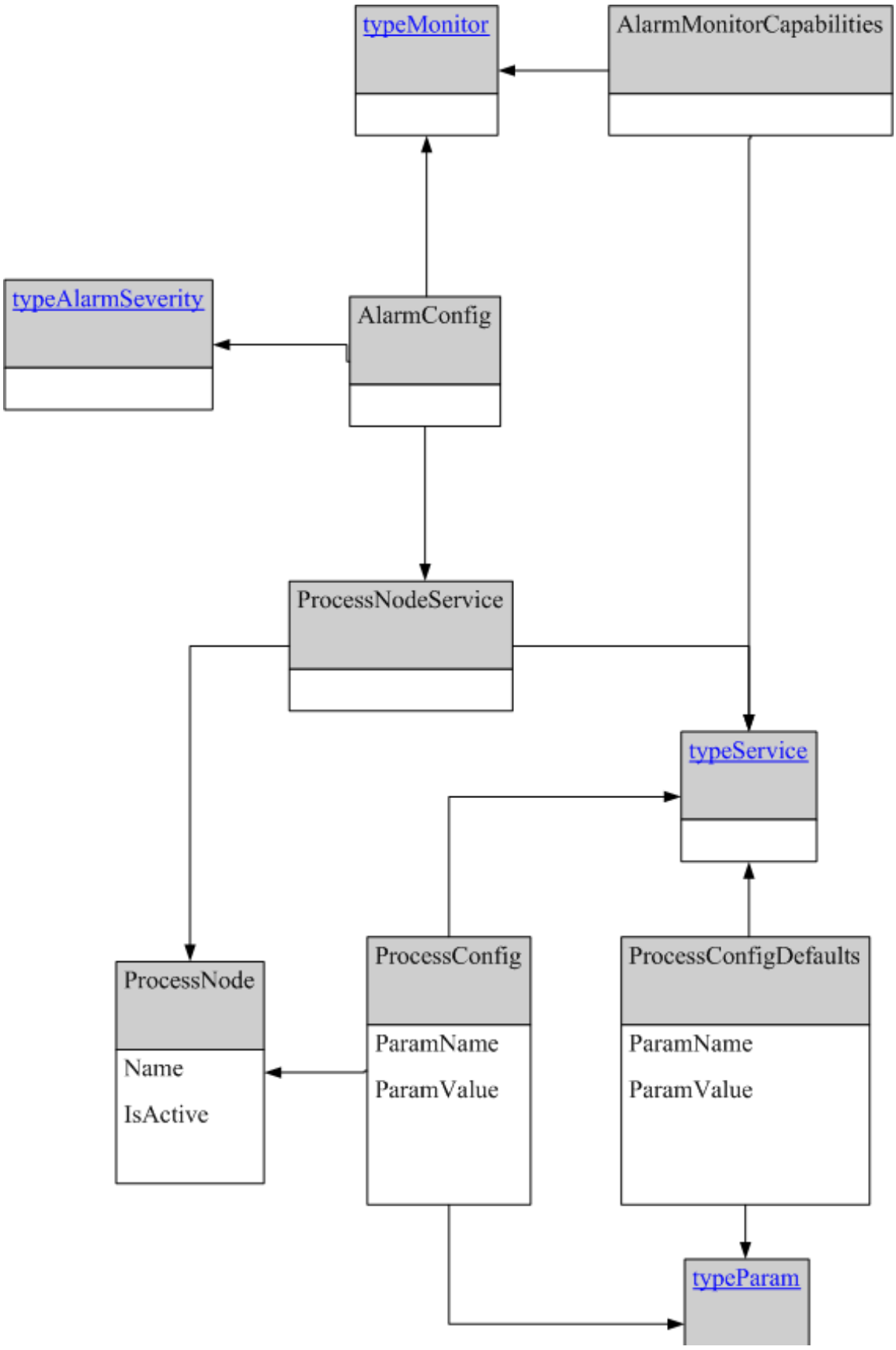
2.3.340 xmldisplayinstancerulemap (TI-163)

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:	**2.3.340.1 fkscratch_displayinstance (FI-947)**
	Type: guid (Cascade Delete, Not Modifiable)
	2.3.340.2 fkscratch_rule (FI-948)
	Type: guid (Cascade Delete, Not Modifiable)
	2.3.340.3 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

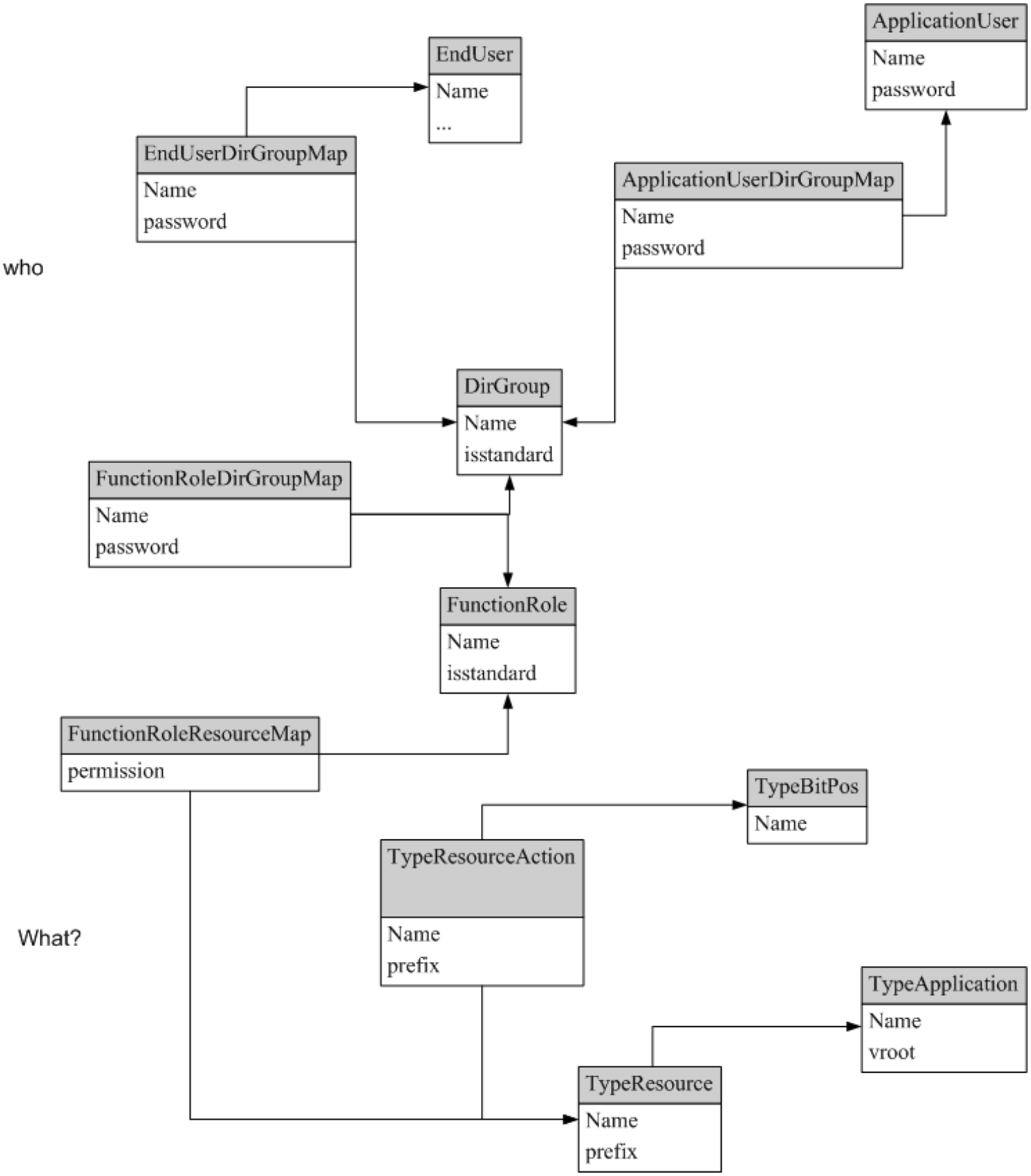
3.1 Servers and Services

Here are the common relationships with ProcessNodeService table. It includes alarm records, and service parameters.



3.2 Roles and Responsibilities

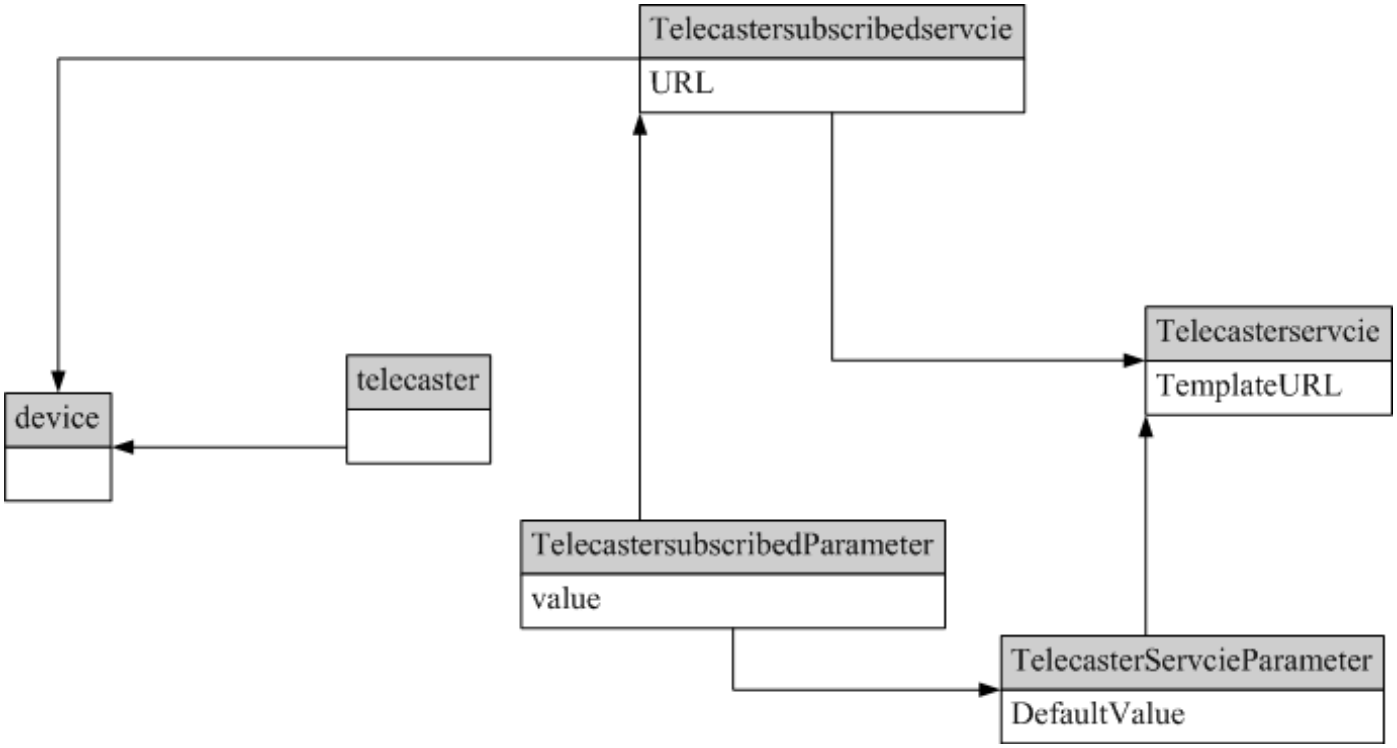
Here are the relationships between users and their roles and responsibilities.



prefix

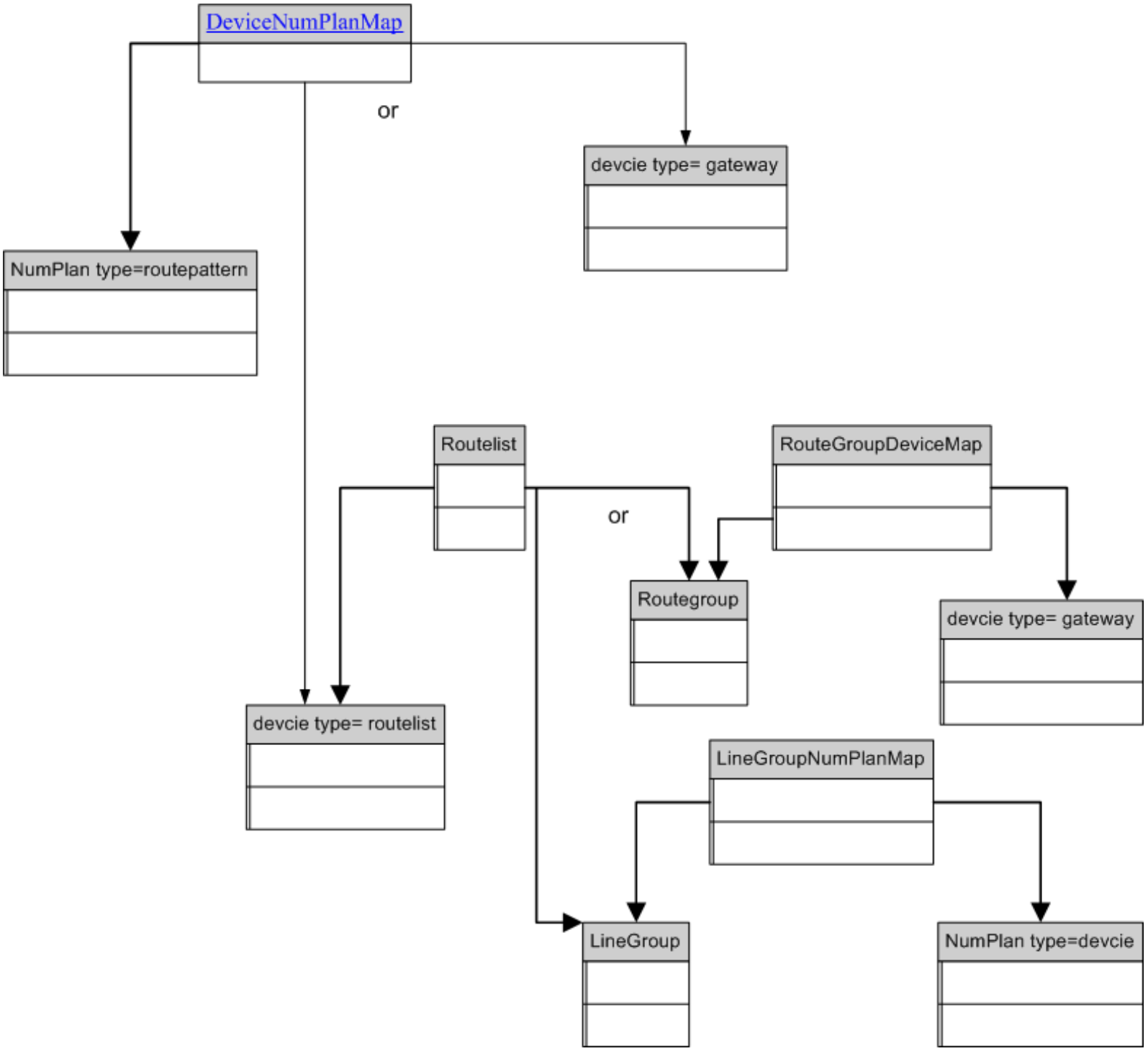
3.3 Telecaster Services

Here are the relationships between Telecaster Services.



3.4 Route/Hunt Lists

Here are the relationships between Route/Hunt lists and Route/Line Groups.


DeviceNumPlanMap
or
devcie type= gateway
NumPlan type=routepattern
Routelist
RouteGroupDeviceMap
or
Routegroup
devcie type= gateway
devcie type= routelist
LineGroupNumPlanMap
LineGroup
NumPlan type=devcie

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 CallManager 5.0 and Cisco Unified CallManager 4.1

4.1.1 Tables in Cisco Unified CallManager 4.1 and not in Cisco Unified CallManager 5.0

calldetailrecord, calldetailrecorddiagnostic, callmanagercallparkmap, cdrversion, defaultdeviceprofile, functionalgroup, functionalgrouptomenuindexmap, onbehalfoflegend, permissionmap, phonetemplatemodelmap, productmgcpviccompatibility, typeasptomenuindexmap, typegroup, typemenuindex, typepermission, userlocalebrowserlanguagemap

4.1.2 Tables in Cisco Unified CallManager 5.0 and not in Cisco Unified CallManager 4.1

alarmusertext, applicationdialrule, applicationuser, applicationusercapfmap, applicationuserdevicemap, applicationuserdirgroupmap, applicationusernumplanmap, appserver, appserverapplicationusermap, appserverinfo, availdialplan, batfileinfo, batfileinfojobmap, batinputdata, batinputdatajobmap, batjob, batjobresults, billingserver, busylampfield, cdrmconfig, commonprofile, crsapplication, crsuserclusterspecific, deviceemsyn, devicereset, deviceversionstamp, dhcpserver, dhcpsubnet, dialrules, dialrulespatternmap, directorypluginattribute, directorypluginconfig, directorypluginhost, directorypluginschedule, dirgroup, dmmsdevice, drfcomponent, drfscript, enduser, enduserappservermap, endusercapfmap, enduserdevicemap, enduserdirgroupmap, endusernumplanmap, functionrole, functionroledirgroupmap, functionroleresourcemap, ipmalineinfo, ipmamanagerassistant, ipmastaticdata, ldapauthentication, ldapauthenticationhost, ldapfilter, ldapserverattribute, ldapsystemconfig, licensedistributionused, licenseinfo, licenseserver, matrix, matrixmember, mlppdomain, ntpserver, ntpserverdatetimesettingmap, numplanappservermap, numplandynamic, outboundappservercn, patternparametermap, personaladdressbook, personalphonebook, preferences, processnodesec, processnodesecack, rtmtprofile, securityprofile, sipprofile, siprealm, softkeytemplateservicemap, spokenname, tapssecurenumplan, tapsuserlocale, testnotify, treecontrolgroupnodes, troubleshootingtrace, typeadminboolean, typeadminerror, typeadminfieldinfo, typeadminfieldinfomap, typeannouncements, typeapplicationdialrule, typeappserver, typeappservercontent, typebatfile, typebatfilesubclause, typebatfrequency, typebatfunction, typebatfunctionfieldinfomap, typebatjobstatus, typebatresultstatus, typebattarget, typebatusage, typebillingserverprotocol, typebitpos, typedberrors, typedialparameter, typedialpattern, typednusage, typedrfregistered, typedrfscript, typedtmfsignaling, typefieldinfo, typegroupversionstamp, typehuntalgorithmforac, typeipmalinemode, typeipmatarget, typekeyauthority, typelanguagegroup, typeldapprotocol, typeldapserver, typeldapserverattr, typelicensefeature, typelicenseunit, typematrix, typematrixvalue, typenullrestriction, typepattern, typepersonalphonenumber, typerelatedfieldinfo, typereset, typeresethandshake, typeresource, typeresourceaction, typerisstatus, typerule, typeruleinfo, typescheduleunit, typesecuritypolicy, typeservicegrouping, typeservicerestriction, typesubclass, typetableinfo, typetelnetlevel, typetracelevelgrouping, typetracelevelgroups, typeuserassociation, typeuserprofile, typewebpageinfo, typezzconfbridge, typezzdndcontrol, typezzdtmfdblevel, typezzkpml, typezznetworkmediatype, typezzntpmode, typezzpreff, typezzuserinfo, wsmdevice

4.1.3 Tables that are different in Cisco Unified CallManager 5.0 and Cisco Unified CallManager 4.1

Table Name	Fields Removed from Cisco Unified CallManager 5.0	Fields Added to Cisco Unified CallManager 5.0
analogaccessport		unattendedport
callingsearchspace		resettoggle, tkreset
callmanager	analogaccessport, digitalaccessport, processnodename	resettoggle, sipport, sipsecuredport, tkreset
callmanagergroup		resettoggle, tkreset
datetimesetting		resettoggle, tkreset
defaults		resettoggle, tkdeviceprotocol, tkreset, versionstamp

device	addonmodules, assocpc, loginuserid, mlppdomainid, tkauthenticationmode, tkcertificate, tkdevicesecuritymode, tkkeysize	allowcticontrolflag, datetimeinserted, fkcallingsearchspace_refer, fkcallingsearchspace_reroute, fkcallingsearchspace_restrict, fkcommonprofile, fkdialrules, fkenduser, fkenduser_lastlogin, fkmatrix_presence, fkmlppdomain, fksecurityprofile, fksipprofile, isstandard, md5hash, mtprequired, publickey, requiredtmfreception, resettoggle, rfc2833disabled, srtpallowed, sshpassword, sshuserid, tkdtmfsignaling, tkkeyauthority, tkreset, tksipcodec_mtppreferredorigcodec, transmitutf8, unattended_port
devicenumplanmap		displayascii, labelascii
devicepool	mlppdomainid	fkmlppdomain, resettoggle, tkreset, versionstamp
dialplan		version
digitalaccessbri	chanie, direction	tktrunkselectionorder
digitalaccesspri	chanie, direction	tkprichanie, tktrunkselectionorder
digitalaccesst1port		unattendedport
digitdiscardinstruction		resettoggle, tkreset
facinfo	description	name
h323device	mtprequired	
ipmauser	userid	fkenduser
location		fkmatrix, isstandard, resynctoggle
mediaresourcegroup		resettoggle, tkreset
mediaresourcelist		resettoggle, tkreset
mgcp		resettoggle, tkclass, tkreset
modelfeaturemap		tkdeviceprotocol
nsfprotocolservicemap		cicvalidation, paramvaluevalidation
numplan	tklampblinkrate_messagewaiting	alertingnameascii, allowcticontrolflag, fkcallingsearchspace_reroute, fkcallingsearchspace_scfa, fkcallmanager, fkmatrix_presence, resettoggle, tkreset
phonebutton		resettoggle, tkreset
phonetemplate	removeatmigration, tkphonetemplateusage	privatetemplate, resettoggle, tkdeviceprotocol, tkmodel, tkreset, versionstamp
pilot	UseFirstAvailable	isqueueenabled, queueholdtimeinsecs, queuesize, tkhuntalgorithmforac
pilotuser		attendantdata
plugin		customurl, showonuseroption
processconfig		resettoggle, tkreset, versionstamp
processnode		isactive, nodeid
processnodeservice	filename	isactive, maxfilesize, priority, restrictserver
productsupportsfeature		tkdeviceprotocol
region		resettoggle, tkreset

routefilter		resettoggle, tkreset
routegroup		tkqsig
routelist	tkgroup	
routepartition		resettoggle, tkreset
sipdevice	incomingport, mtprequired, tkTransport	
softkeytemplate	isstandard	iksoftkeytemplate_base, resettoggle, tkreset, versionstamp
speeddial		labelascii
srst		resettoggle, sipipaddr1, sipipaddr2, sipipaddr3, sipport1, sipport2, sipport3, tkreset
supportsfeatureattributemap		isbooleanfield, useenduser
telecasterservice		nameascii
telecastersubscribedservice		servicenameascii, urllabelascii
typelanguage		tklanguagegroup
typemodel	numbutton	tksubclass
typepriprotocol		isqsig
typeproduct	maxaddonmodules	
typeservice		log4jpackage, maxfilesize, maxnumservers, supportslog4jtrace, tkservicegrouping, tkservicerestriction, tktracelevelgroups, tracelevelcategory
typetimezone		abbreviation
typeuserlocale		alternatescript, languagelocalecode, localecode
voicemessagingpilot		resettoggle, tkreset
voicemessagingprofile		resettoggle, tkreset, versionstamp

4.2 Differences between Cisco Unified CallManager 5.0 and Cisco Unified CallManager 4.0

4.2.1 Tables in Cisco Unified CallManager 4.0 and not in Cisco Unified CallManager 5.0

calldetailrecord, calldetailrecorddiagnostic, callmanagercallparkmap, cdrversion, defaultdeviceprofile, functionalgroup, functionalgrouptomenuindexmap, onbehalfoflegend, permissionmap, phonetemplatemodelmap, productmgcpviccompatibility, typeasptomenuindexmap, typegroup, typemenuindex, typepermission, userlocalebrowserlanguagemap

4.2.2 Tables in Cisco Unified CallManager 5.0 and not in Cisco Unified CallManager 4.0

alarmusertext, applicationdialrule, applicationuser, applicationusercapfmap, applicationuserdevicemap, applicationuserdirgroupmap, applicationusernumplanmap, appserver, appserverapplicationusermap, appserverinfo, availdialplan, batfileinfo, batfileinfojobmap, batinputdata, batinputdatajobmap, batjob, batjobresults, billingserver, busylampfield, cdrmconfig, cmcinfo, commonprofile, crsapplication, crsuserclusterspecific, deviceemsyn, devicereset, deviceversionstamp, dhcpserver, dhcpsubnet, dialrules, dialrulespatternmap, directorypluginattribute, directorypluginconfig, directorypluginhost, directorypluginschedule, dirgroup, dmmsdevice, drfcomponent, drfscript, enduser, enduserappservermap, endusercapfmap, enduserdevicemap, enduserdirgroupmap, endusernumplanmap, facinfo, functionrole, functionroledirgroupmap, functionroleresourcemap, ipmalineinfo, ipmamanagerassistant, ipmastaticdata, ldapauthentication, ldapauthenticationhost, ldapfilter, ldapserverattribute, ldapsystemconfig, licensedistributionused, licenseinfo, licenseserver, matrix, matrixmember, mlppdomain, ntpserver, ntpserverdatetimesettingmap, numplanappservermap, numplandynamic, outboundappservercn, patternparametermap, personaladdressbook, personalphonebook, pickupgroup, pickupgrouplinemap, pickupgroupmember, preferences,

processnodesec, processnodesecack, rtmtprofile, securityprofile, sipprofile, siprealm, softkeytemplateservicemap, spokenname, tapssecurenumplan, tapsuserlocale, testnotify, timeperiod, timeschedule, timescheduletimeperiodmap, treecontrolgroupnodes, troubleshootingtrace, typeadminboolean, typeadminerror, typeadminfieldinfo, typeadminfieldinfomap, typeannouncements, typeapplicationdialrule, typeappserver, typeappservercontent, typeauthenticationmode, typebatfile, typebatfilesubclause, typebatfrequency, typebatfunction, typebatfunctionfieldinfomap, typebatjobstatus, typebatresultstatus, typebattarget, typebatusage, typebillingserverprotocol, typebitpos, typecertificate, typecertificateoperation, typecertificatestatus, typedayofweek, typedberrors, typedialparameter, typedialpattern, typednusage, typedrfregistered, typedrfscript, typedtmfsignaling, typefieldinfo, typegroupversionstamp, typehuntalgorithmforac, typeipmalinemode, typeipmatarget, typekeyauthority, typekeysize, typelanguagegroup, typeldapprotocol, typeldapserver, typeldapserverattr, typelicensefeature, typelicenseunit, typematrix, typematrixvalue, typemonthofyear, typenullrestriction, typepacketcapturemode, typepattern, typepersonalphonenumber, typerelatedfieldinfo, typereset, typeresethandshake, typeresource, typeresourceaction, typerisstatus, typerule, typeruleinfo, typescheduleunit, typesecuritypolicy, typeservicegrouping, typeservicerestriction, typesubclass, typetableinfo, typetelnetlevel, typetimeofday, typetracelevelgrouping, typetracelevelgroups, typetunneledprotocol, typeuserassociation, typeuserprofile, typewebpageinfo, typezzconfbridge, typezzdndcontrol, typezzdtmfdblevel, typezzkpml, typezznetworkmediatype, typezzntpmode, typezzpreff, typezzuserinfo, wsmdevice

4.2.3 Tables that are different in Cisco Unified CallManager 5.0 and Cisco Unified CallManager 4.0

Table Name	Fields Removed from Cisco Unified CallManager 5.0	Fields Added to Cisco Unified CallManager 5.0
analogaccessport		unattendedport
callingsearchspace		resettoggle, tkreset
callmanager	analogaccessport, digitalaccessport, processnodename	resettoggle, sipport, sipsecuredport, tkreset
callmanagergroup		resettoggle, tkreset
datetimesetting		resettoggle, tkreset
defaults		resettoggle, tkdeviceprotocol, tkreset, versionstamp
device	addonmodules, assocpc, loginuserid, mlppdomainid, tkdevicesecuritymode	allowcticontrolflag, authenticationstring, datetimeinserted, fkcallingsearchspace_refer, fkcallingsearchspace_reroute, fkcallingsearchspace_restrict, fkcommonprofile, fkdialrules, fkenduser, fkenduser_lastlogin, fkmatrix_presence, fkmlppdomain, fksecurityprofile, fksipprofile, ignorepi, isstandard, md5hash, mtprequired, packetcapturerduration, publickey, requiredtmfreception, resettoggle, rfc2833disabled, srtpallowed, sshpassword, sshuserid, tkcertificateoperation, tkcertificatestatus, tkdtmfsignaling, tkkeyauthority, tknetworklocation, tkpacketcapturemode, tkreset, tksipcodec_mtppreferredorigcodec, transmitutf8, unattended_port, upgradefinishtime, v150modemrelaycapable
devicenumplanmap		displayascii, labelascii
devicepool	mlppdomainid	fkmlppdomain, resettoggle, tkreset, versionstamp
dialplan		version
digitalaccessbri	chanie, direction	stablein4, tktrunkselectionorder
digitalaccesspri	chanie, direction	passingprecedencelevelthroughuuie, protocolprofile91nameonly, securityaccesslevel, tkprichanie, tktrunkselectionorder

digitalaccesst1port		unattendedport
digitdiscardinstruction		resettoggle, tkreset
gatewaylayout		tkdeviceprotocol
h323device	mtprequired	e164, pathreplacementsupport, tktunneledprotocol
ipmauser	userid	fkenduser
location		fkmatrix, isstandard, resynctoggle
mediaresourcegroup		resettoggle, tkreset
mediaresourcelist		resettoggle, tkreset
mgcp		resettoggle, tkclass, tkdeviceprotocol, tkreset
modelfeaturemap		tkdeviceprotocol
nsfprotocolservicemap		cicvalidation, paramvaluevalidation
numplan	iknumplan_callpickupgroup, tklampblinkrate_messagewaiting	alertingname, alertingnameascii, allowcticontrolflag, authorizationcoderequired, authorizationlevelrequired, cfbintdestination, cfbintvoicemailenabled, cfnaintdestination, cfnaintvoicemailenabled, clientcoderequired, deviceoverride, fkcallingsearchspace_cfbint, fkcallingsearchspace_cfnaint, fkcallingsearchspace_pff, fkcallingsearchspace_pffint, fkcallingsearchspace_reroute, fkcallingsearchspace_scfa, fkcallmanager, fkmatrix_presence, outsidedialtone, pff_cfb, pff_cfna, pffdestination, pffintdestination, pffintvoicemailenabled, pffvoicemailenabled, resettoggle, tkreset
phonebutton		resettoggle, tkreset
phonetemplate	removeatmigration, tkphonetemplateusage	privatetemplate, resettoggle, tkdeviceprotocol, tkmodel, tkreset, versionstamp
pilot	UseFirstAvailable	isqueueenabled, queueholdtimeinsecs, queuesize, tkhuntalgorithmforac
pilotuser		attendantdata
plugin		customurl, showonuseroption
processconfig		resettoggle, tkreset, versionstamp
processnode		isactive, nodeid
processnodeservice	filename	isactive, maxfilesize, priority, restrictserver
productsupportsfeature		tkdeviceprotocol
region		resettoggle, tkreset
routefilter		resettoggle, tkreset
routegroup		tkqsig
routelist	tkgroup	
routepartition		fktimeschedule, resettoggle, tkreset, tktimezone, useoriginatingdevicetimezone
sipdevice	incomingport, mtprequired, tkTransport	
softkeytemplate	isstandard	iksoftkeytemplate_base, resettoggle, tkreset, versionstamp

speeddial		labelascii
srst		certificate, certificateproviderport, issecure, resettoggle, sipipaddr1, sipipaddr2, sipipaddr3, sipport1, sipport2, sipport3, tkreset
supportsfeatureattributemap		isbooleanfield, useenduser
telecasterservice		nameascii
telecastersubscribedservice		servicenameascii, urllabelascii
typelanguage		tklanguagegroup
typemodel	numbutton	tksubclass
typepatternprecedence		precedencelevel
typepriprotocol		isqsig
typeproduct	maxaddonmodules	
typeservice		log4jpackage, maxfilesize, maxnumservers, supportslog4jtrace, tkservicegrouping, tkservicerestriction, tktracelevelgroups, tracelevelcategory
typetimezone		abbreviation
typeuserlocale		alternatescript, languagelocalecode, localecode
voicemessagingpilot		resettoggle, tkreset
voicemessagingprofile		resettoggle, tkreset, versionstamp