A photograph of the New York City skyline at sunset, viewed from across a body of water. The One World Trade Center is prominent on the left. The sky is filled with wispy clouds illuminated by the setting sun.

ENTERPRISE

Database Reference Guide

Version 2020

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## Change History

This table shows the change history of this guide:

Edition	Date	Reason
1	20 March 2020	First edition.



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# 1 About this Manual

This manual describes the database tables in the ENTERPRISE database.

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**Note:** For software building purposes ENTERPRISE 2020 is designated as version 10.0 in some contexts.

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## Overview of Database Table Definitions

The tables in the core database are divided into two distinct groups:

- The master tables which store data available to all users
- The difference tables which store information relating to user-specific changes

This chapter gives reference information on the separate database tables available in the core database.

## Primary and Foreign Keys

The **primary** key is a column, or set of columns, whose values uniquely identify every row in a table.

A **foreign** key is one or more columns within a table whose values are based on those of the primary key from another table. The foreign key relates the information from another table (the foreign table) to information in the current (referenced or primary) table.

If a foreign key is allowed to have a NULL value, it is said to be **optional**.

A foreign key that is not optional is called **mandatory**. Most foreign and primary keys are mandatory.

---

**Note:** Projectno is always part of the foreign key, so is not indicated as such throughout the database tables.

---

## About Permissions

Tables in the database for BSCs, MSCs, distribution nodes, Properties, repeaters and cell sites have a Permission field. This contains a three digit code that grants the write permission to the relational database as follows:

- The first digit of the code is specific to the user
- The second digit relates to that user's default group
- The third digit relates to all available users in that project

Each digit can be either 0, for permission withheld, or 2 for permission granted.

The **Visibility** field works in the same way for read permission.

You set user permissions in Administrator, either when you first create a user or by changing the properties of an existing user. For information on how to do this, see the *Installation and Administration Guide*.

## About Unselected Checkboxes

A value of -1 for a column represents a checkbox in the ASSET user interface that has not been selected.

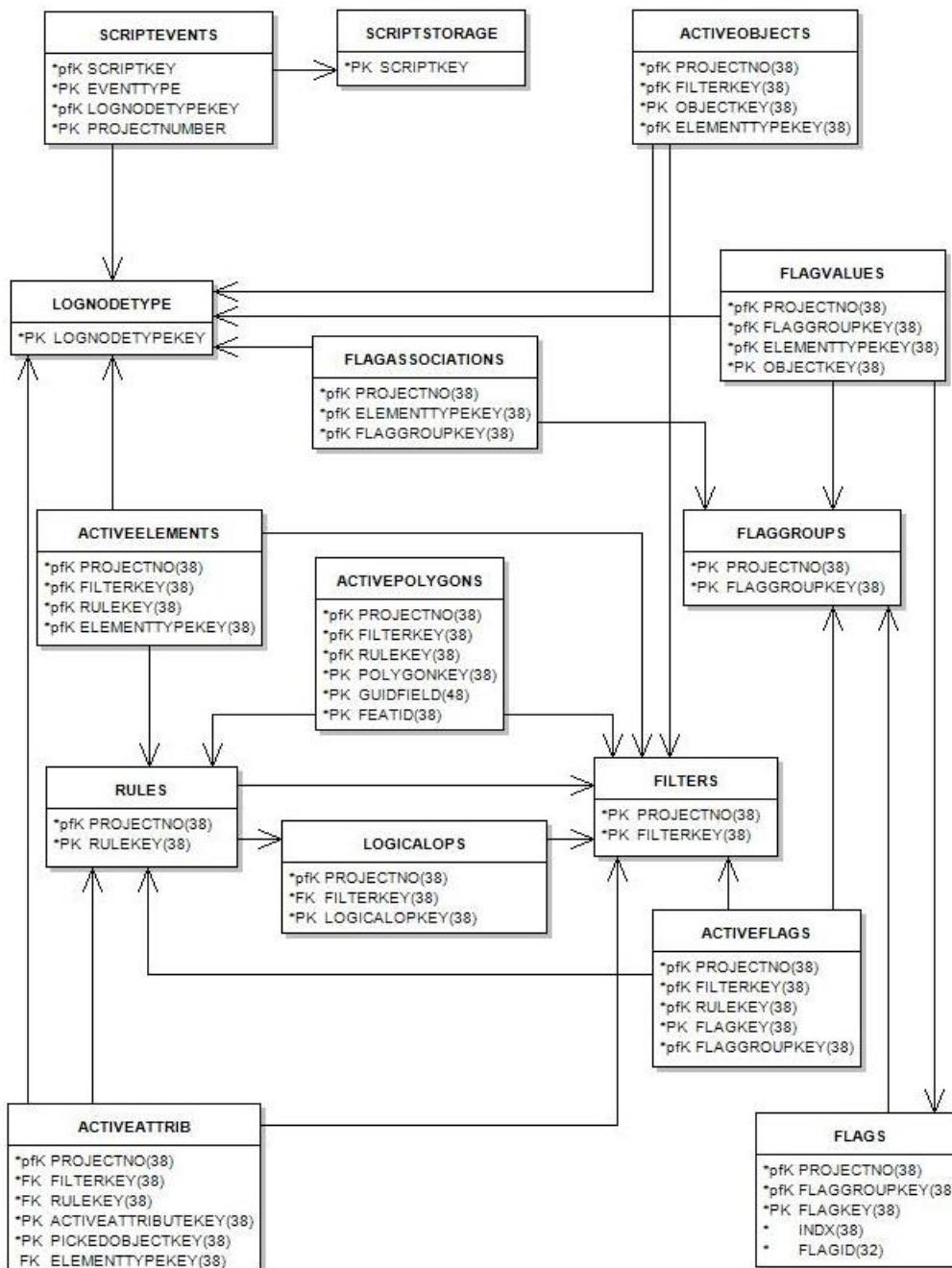
## 2 Database Table Relationships

This chapter shows the relationships between tables in the ENTERPRISE database, illustrated by the following diagrams.

The direction of the arrows indicates the way the tables are referenced.

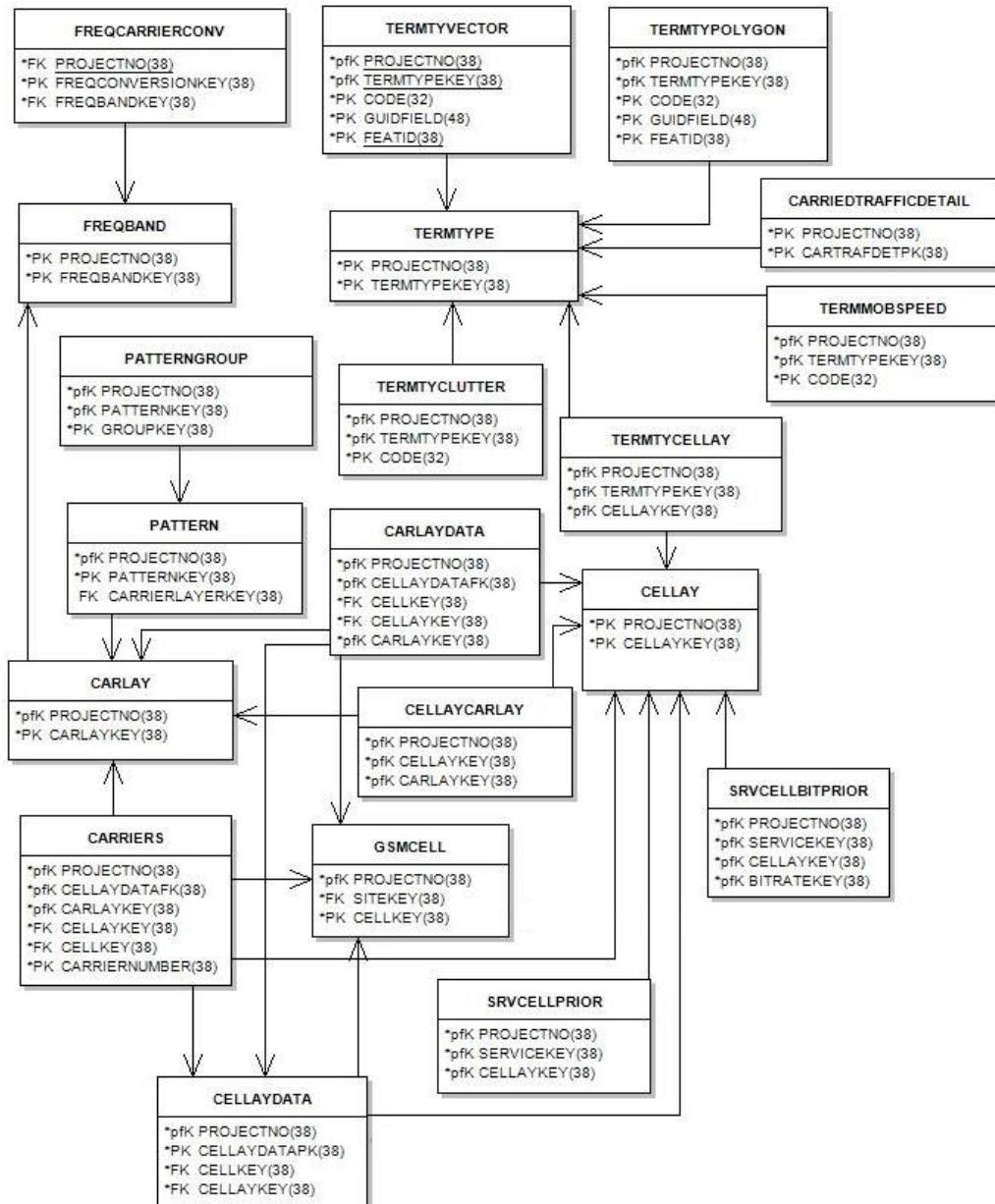
### Environment Set-up Database Table Relationships (1)

This diagram shows relationships between the environment set-up database tables. Click on a table name to jump to the associated table.



## Environment Set-up Database Table Relationships (2)

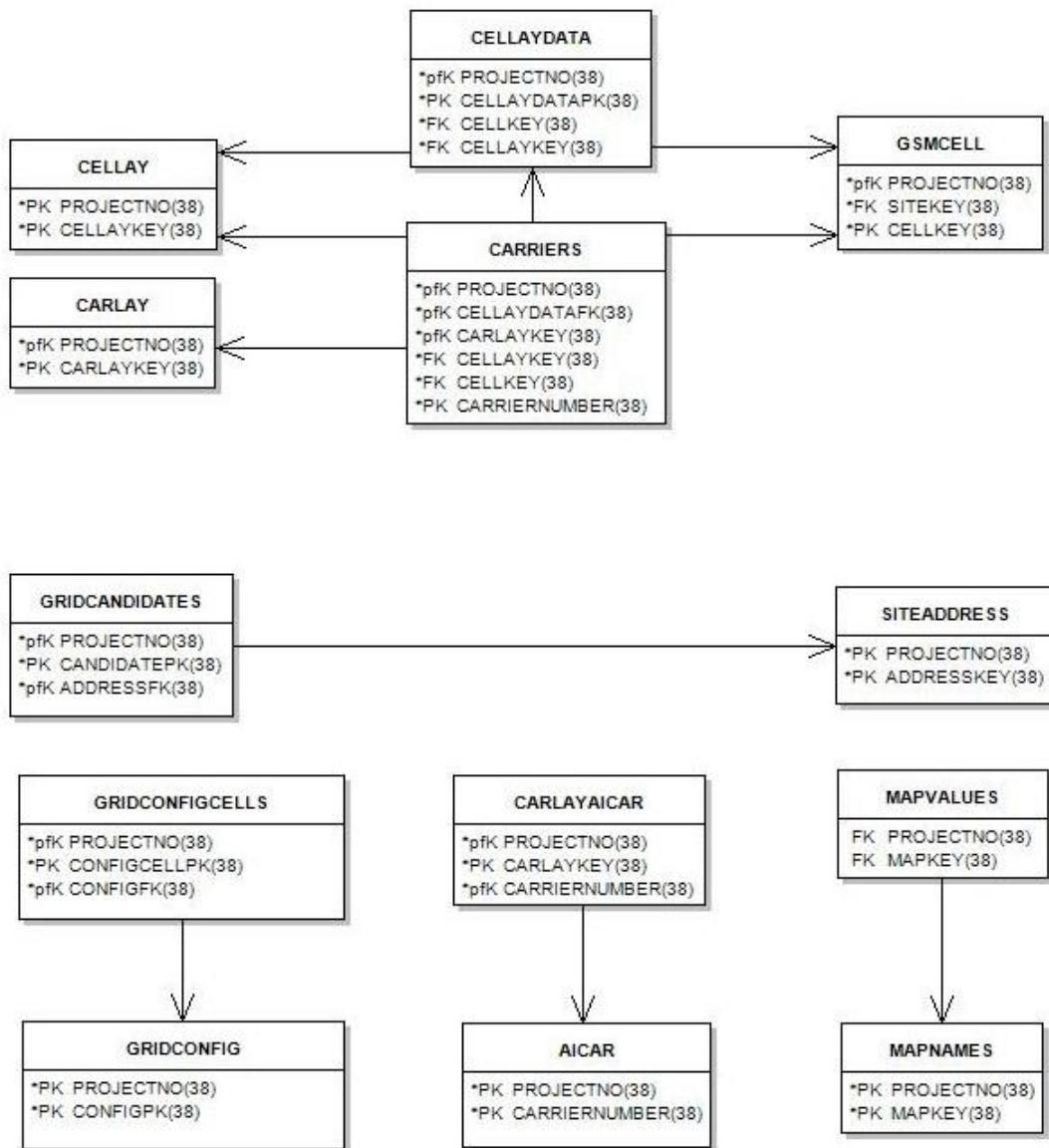
This diagram shows relationships between the environment set-up database tables. Click on a table name to jump to the associated table.



Environment Set-up Database Tables

## Environment Set-up Database Table Relationships (3)

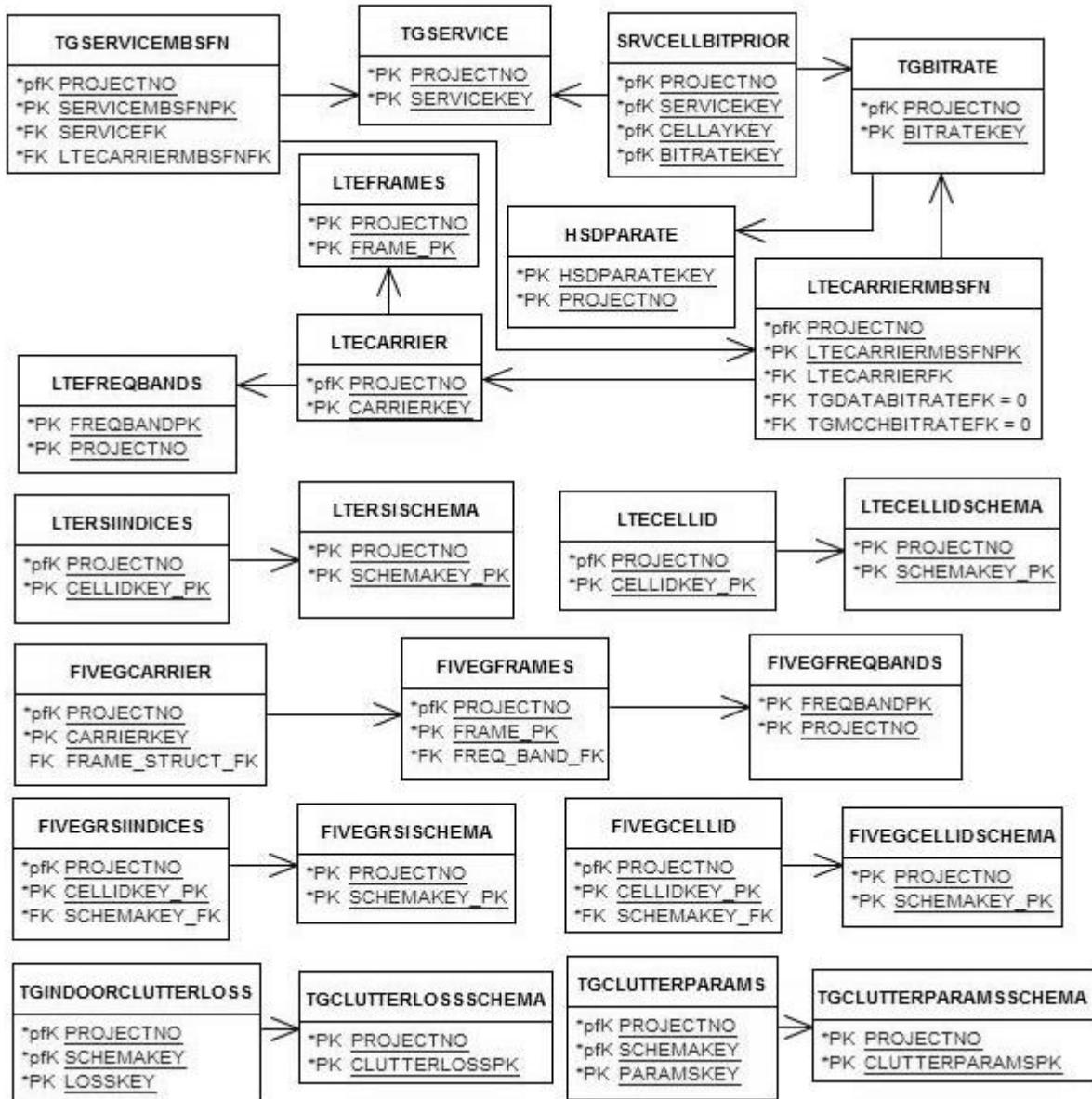
This diagram shows relationships between the environment set-up database tables.



*Environment Set-up Database Tables*

## Environment Set-up Database Table Relationships (4)

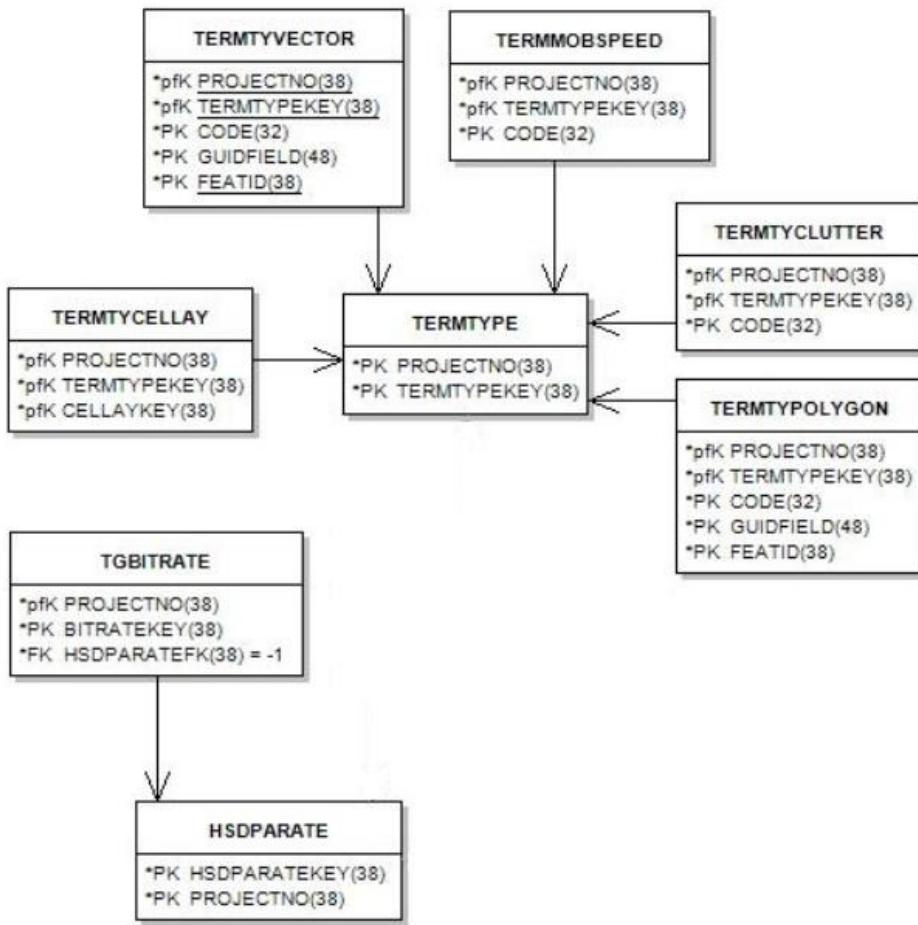
This diagram shows relationships between the environment set-up database tables. Click on a table name to jump to the associated table



Environment Set-up Database Tables

## Environment Set-up Database Table Relationships (5)

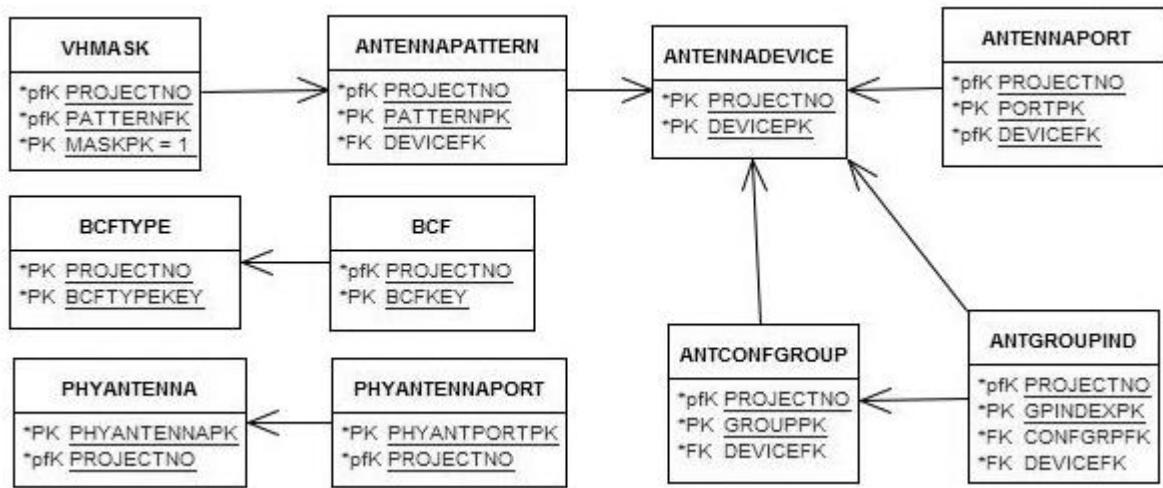
This diagram shows relationships between the environment set-up database tables. Click on a table name to jump to the associated table



*Environment Set-up Database Tables*

## Equipment Database Table Relationships

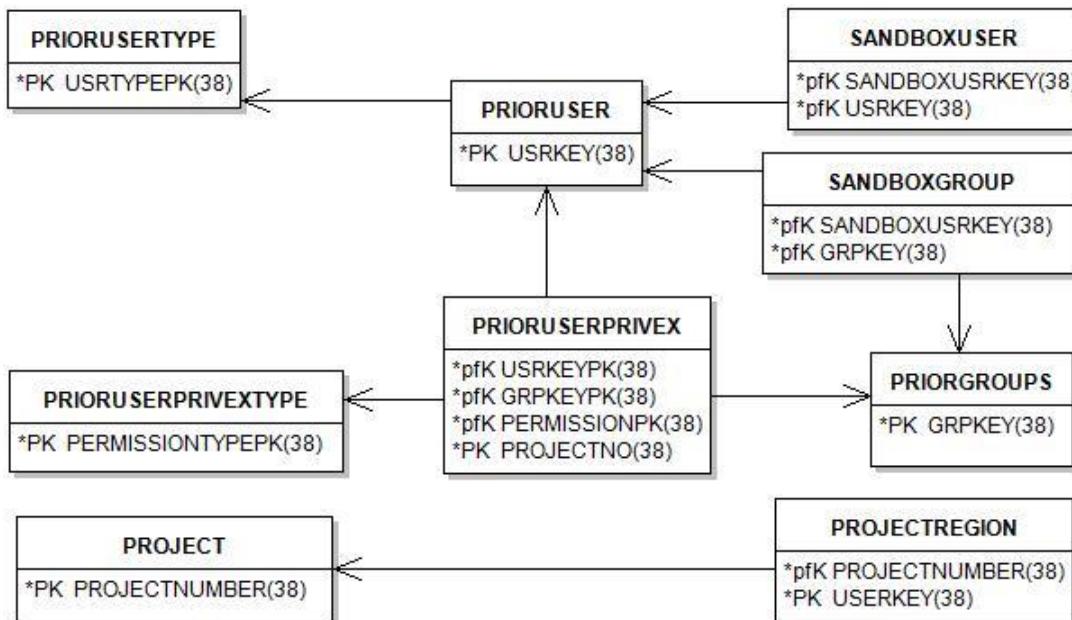
This diagram shows the relationships between the equipment database tables. Click on a table name to jump to the associated table.



*Equipment Database Tables*

## Internal Database Table Relationships

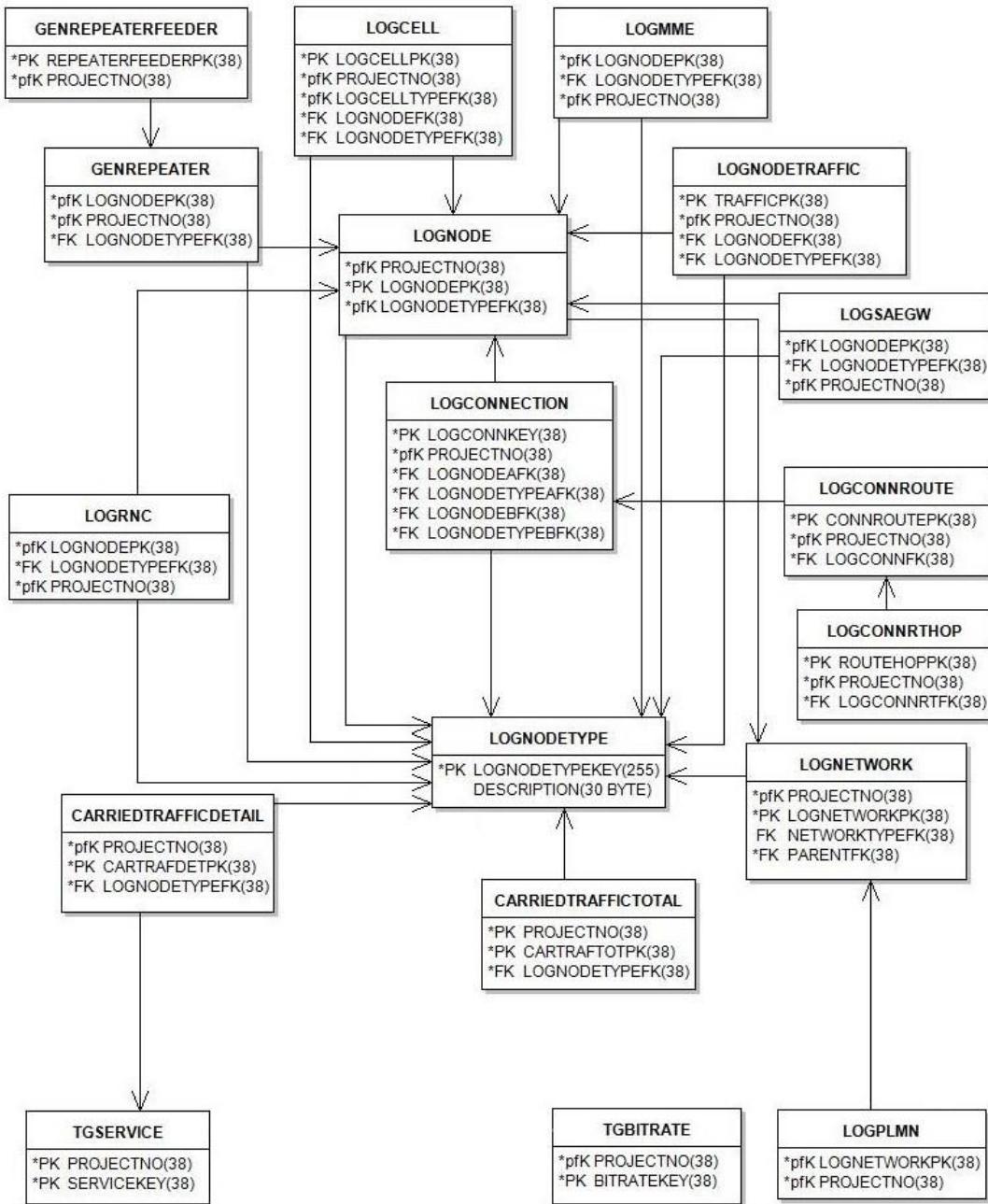
This diagram shows the relationships between the internal database tables. Click on a table name to jump to the associated table.



*Internal Database Tables*

## Logical Network Database Table Relationships (1)

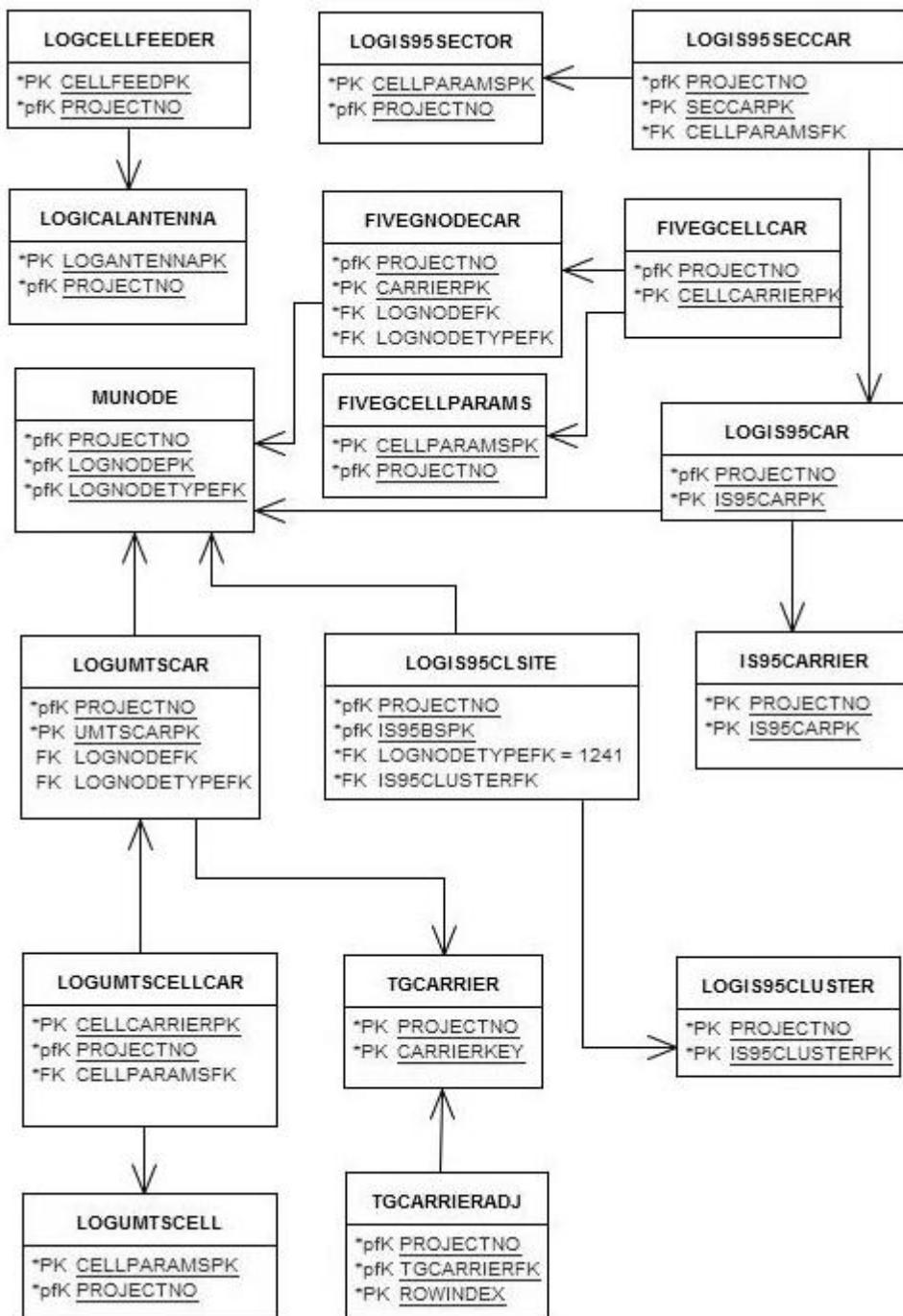
This diagram shows the relationships between the logical network database tables. Click on a table name to jump to the associated table.



Logical Network Database Tables

## Logical Network Database Table Relationships (2)

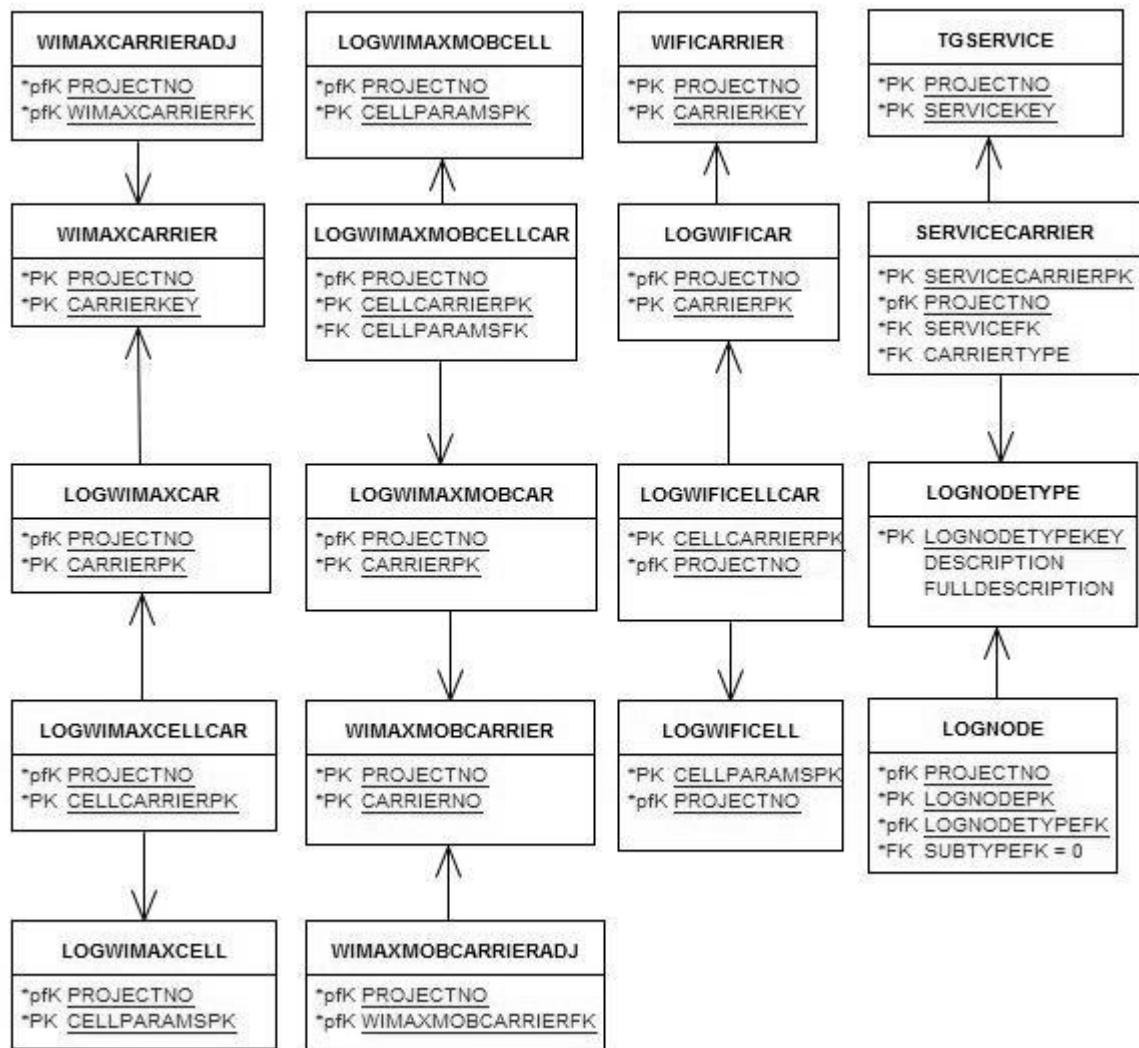
This diagram shows the relationships between the logical network database tables. Click on a table name to jump to the associated table.



Logical Network Database Table Relationships

## Logical Network Database Table Relationships (3)

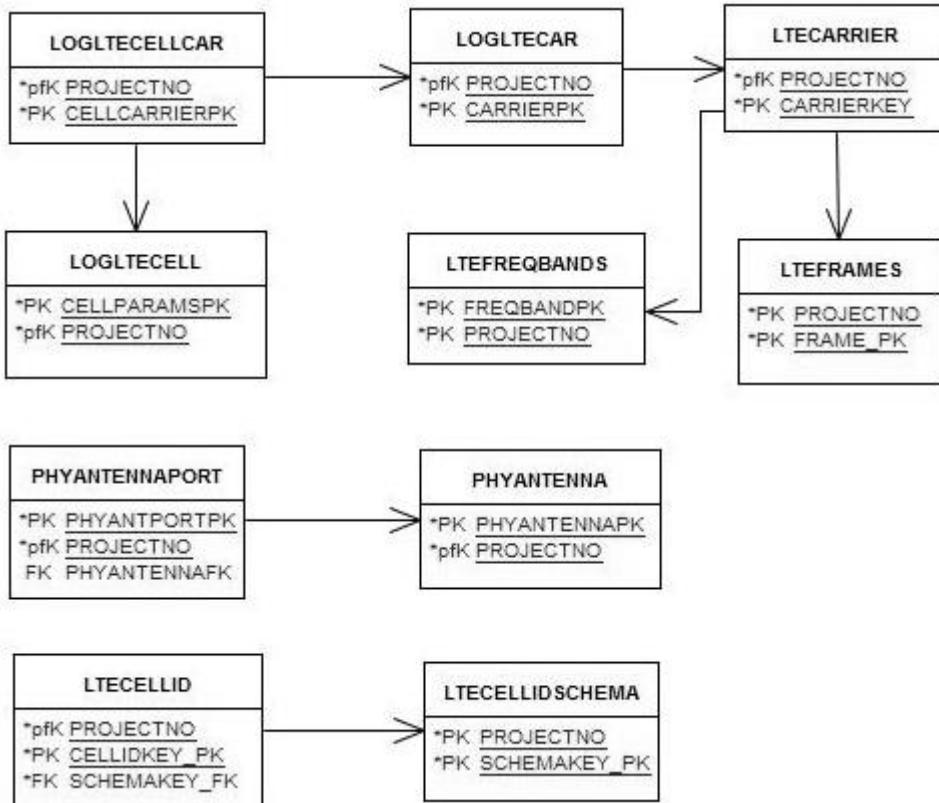
This diagram shows the relationships between the logical network database tables. Click on a table name to jump to the associated table.



## *Logical Network Database Tables*

## Logical Network Database Table Relationships (4)

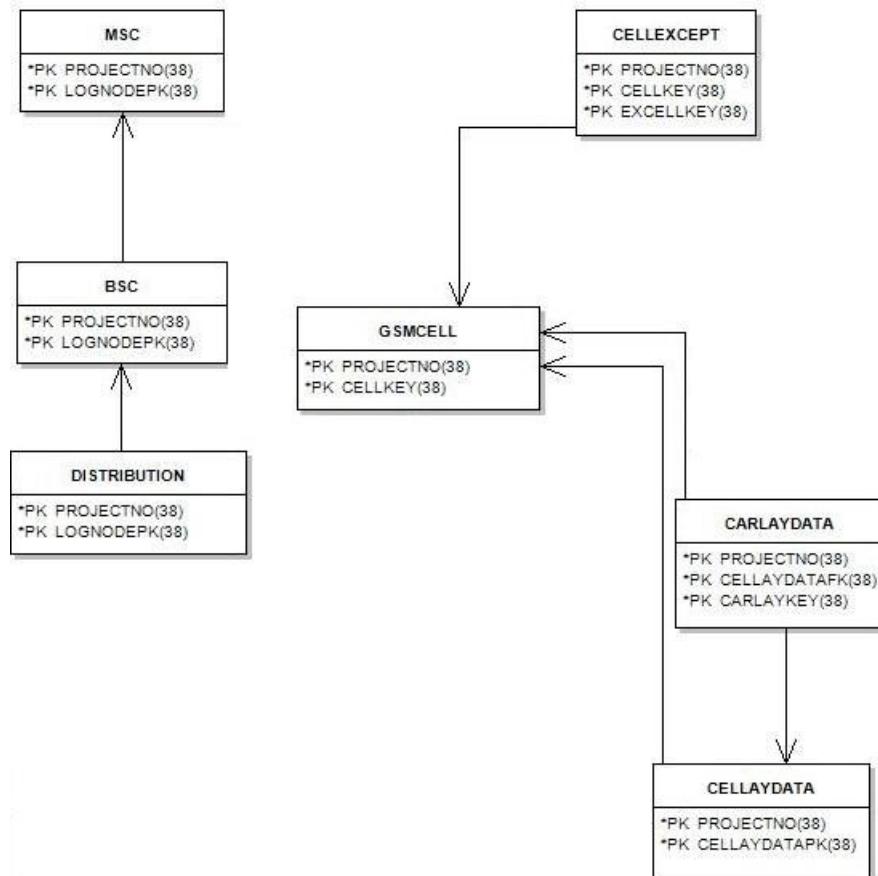
This diagram shows the relationships between the logical network database tables. Click on a table name to jump to the associated table.



Logical Network Database Tables

## GSM Network Database Table Relationships

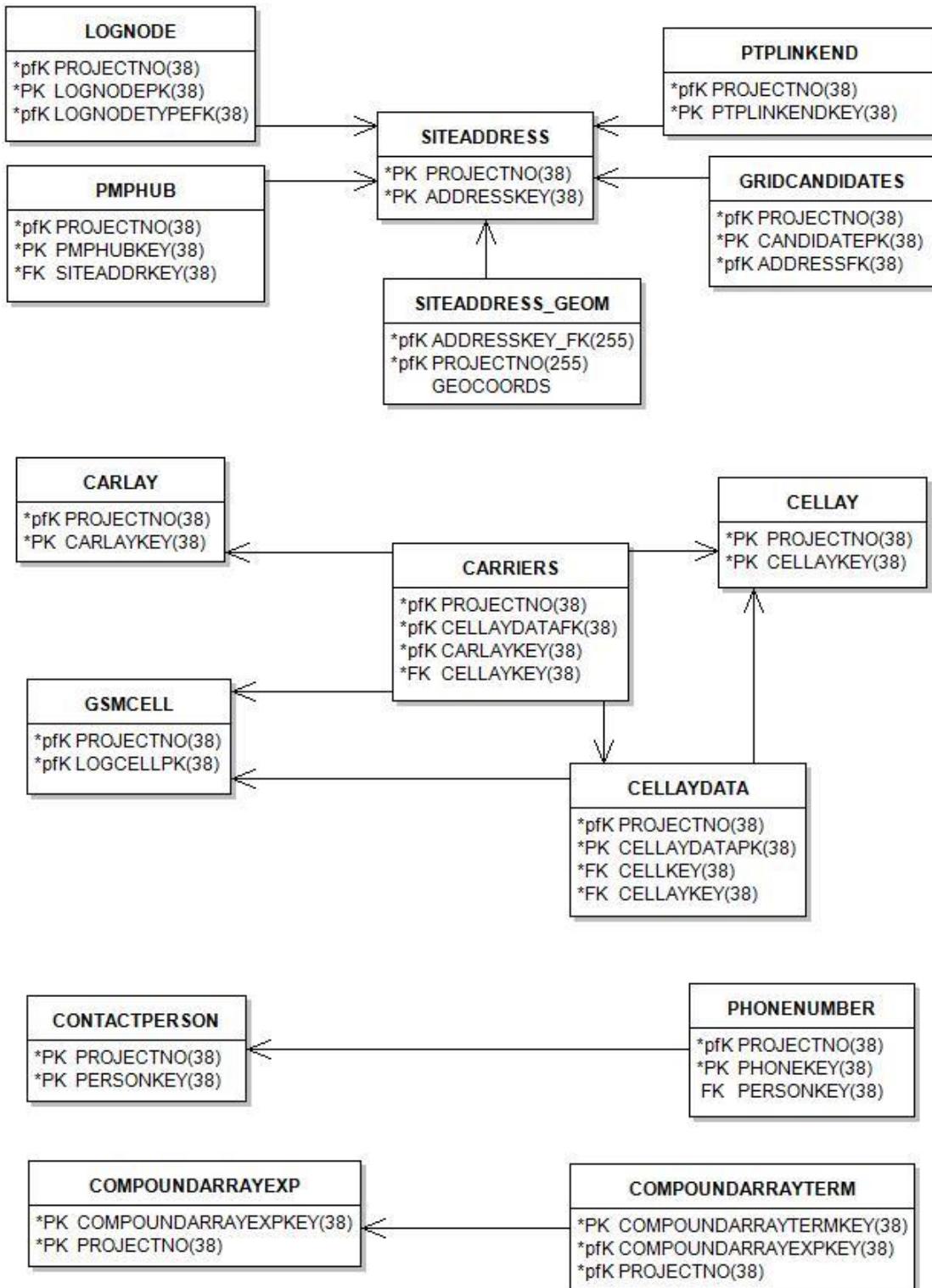
This diagram shows relationships between the analog network database tables. Click on a table name to jump to the associated table



*GSM Network Database Tables*

## Project Database Table Relationships

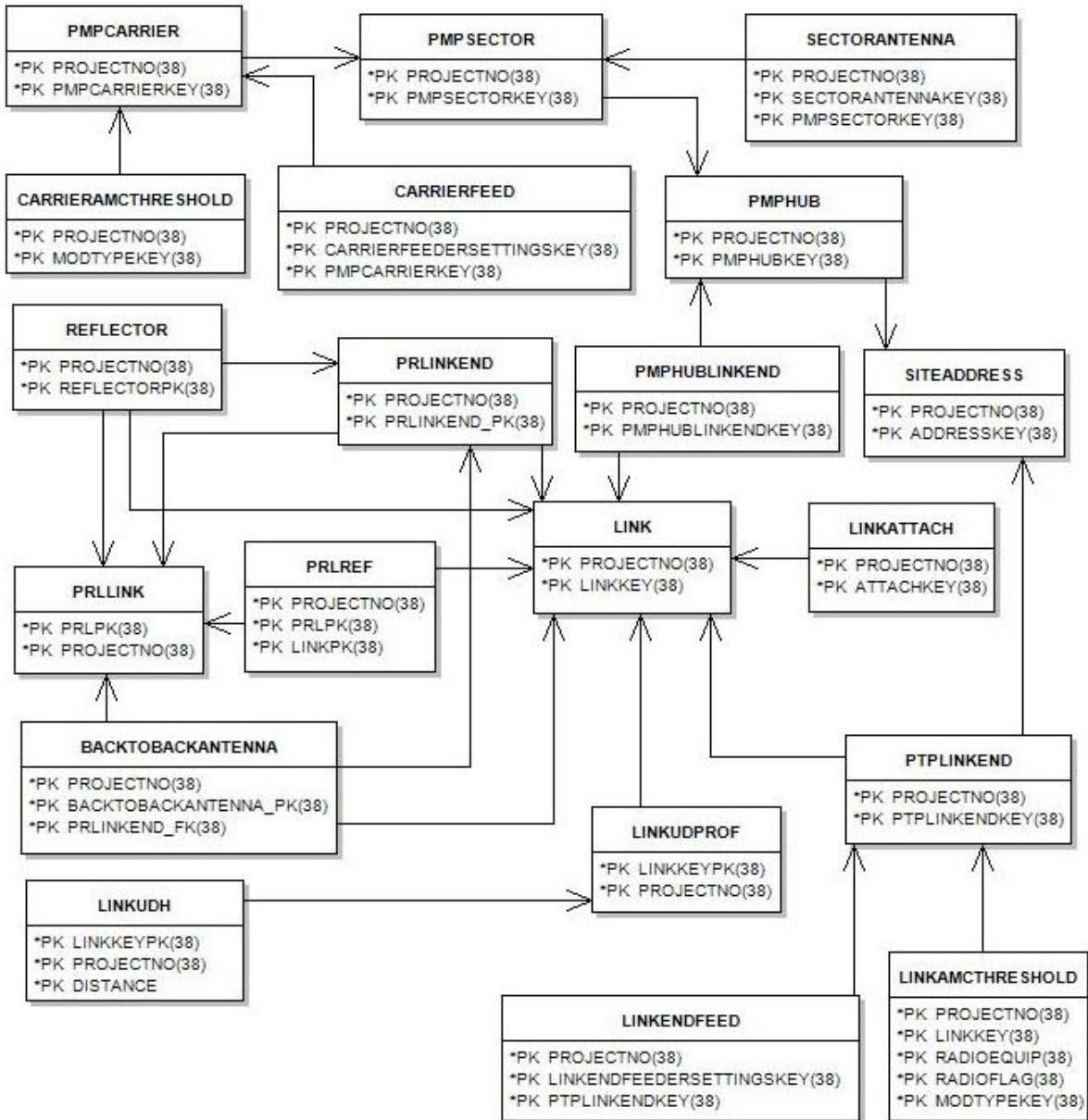
This diagram shows relationships between the project database tables. Click on a table name to jump to the associated table.



Project Database Tables

## ASSET Backhaul Database Table Relationships (1)

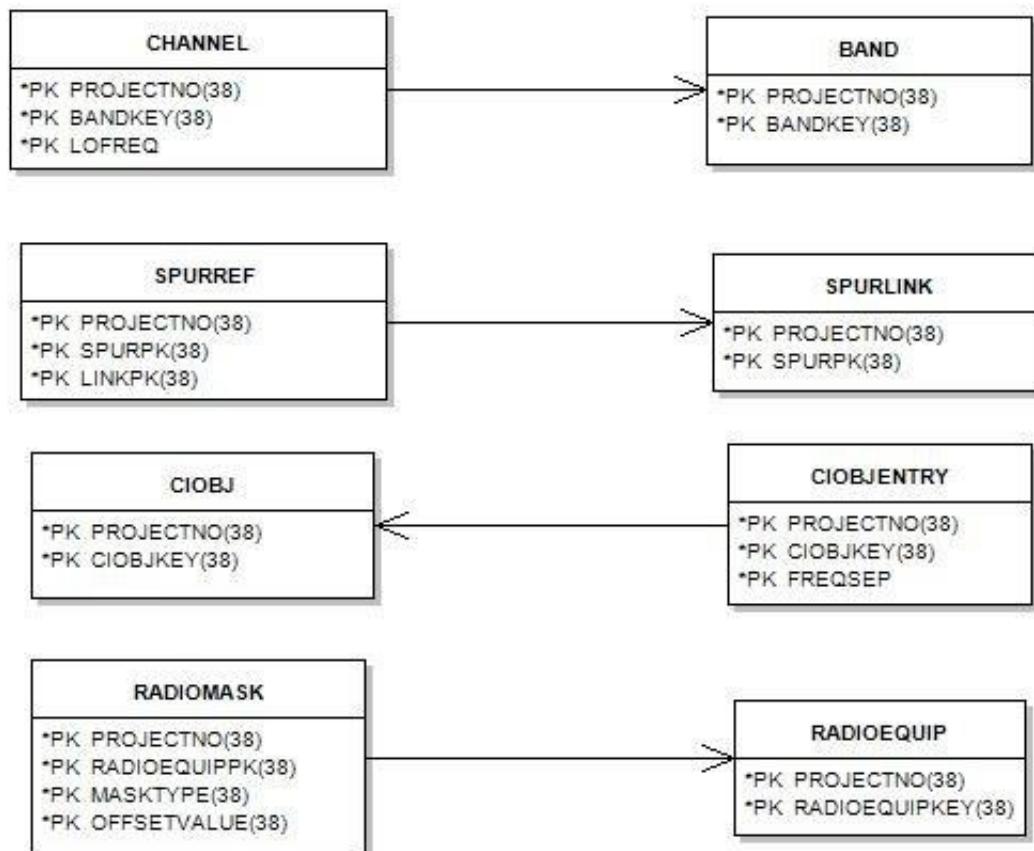
This diagram shows relationships between the ASSET Backhaul database tables. Click on a table name to jump to the associated table.



ASSET Backhaul Database Tables

## ASSET Backhaul Database Table Relationships (2)

This diagram shows relationships between the ASSET Backhaul database tables. Click on a table name to jump to the associated table.



*ASSET Backhaul Database Tables*

### 3 Environment Set-Up Database Tables

The following table describes the environment set-up database tables:

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + )	Diff Table?
ACTIVEATTRIB	The active attributes used in user-defined filters	active-attributekey picked-objectkey projectno	FK1 - filterkey FK2 - rulekey	YES
ACTIVEELEMENTS	The active elements used in user-defined filters	element-typekey filterkey projectno rulekey	FK1 - filterkey FK2 - rulekey	YES
ACTIVEFLAGS	The active fields used in user-defined filters	filterkey flaggroupkey flagkey projectno rulekey	FK1 - Filterkey FK2 - flaggroupkey FK3 - rulekey	YES
ACTIVEOBJECTS	The active objects used in user-defined filters	element-typekey filterkey objectkey projectno	FK1 - filterkey	YES
ACTIVEPOLYGONS	The active polygons used in user-defined filters	featid filterkey guidfield polygonkey projectno rulekey	FK1 - filterkey FK2 - rulekey	YES
ACTIVEWFS	Web Feature Services filters	projectno rulefk	FK1 - filterkey FK2 - rulekey	YES
AICAR	The available carriers defined in the Carrier Layers dialog box	carrier-number projectno		NO
ATTRIBUTETYPES	The attribute types used in user-defined filters	attribute-typekey		NO
CARLAY	The carrier layers defined in the Carrier Layers dialog box	carlaykey projectno	FK1 - freqbandkey	YES
CARLAYAICAR	The carriers associated with each carrier layer defined in the Carrier Layers dialog box	carlaykey carrier-number projectno	FK1 - carriernumber	YES

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + )	Diff Table?
CELLAY	The cell layers defined in the Cell Layers dialog box	cellaykey projectno		YES
CELLAYCARLAY	The relationship between the carrier layers and cell layers	carlaykey cellaykey projectno	FK1 - carlaykey FK2 - cellaykey	YES
COORDSYS	The datums, groups, units and co-ordinate systems used in the map projections	projectno		NO
COORDSYSDATA	The BLOB record, containing the entire co-ordinate system file			NO
COVCLASS	The coverage classes defined in the Cell Layer dialog box. These apply globally to the system, and store the name and color of each of the classes	covclasskey projectno		NO
COVSCHEMA	The user and system coverage schemas created	covshemakey projectno		NO
COVTHRESH	The thresholds for each coverage class. There are arranged on each cell layer for different achieved coverages	covthreshkey projectno		NO
CWCELLTOSOURCEVECTOR	Associations between pathloss correction files and cell vectors	cwvectorpk projectno		YES
ENT_ACTIVELOGONDATA	The active connections to the database	sessionid usrkey		NO
ENT_EVENTLOG_DATA	Events in projects			NO
ENT_EXCEPTIONLOG	Errors/exception that are logged			NO
ENVTYPE	Environment type parameters associated with the Model Assignment Calculator	envtypepk idname projectno		NO
ENVTYPECLUTTER	Environment type clutter parameters associated with the Model Assignment Calculator	envtypeclutterpk projectno		NO
FILTERS	The names, types and attributes of filters defined in projects	filterkey projectno		YES
FIVEGCARRIER	5G carriers	carrierkey projectno	FK1 - frame_struc_fk FK2 - freq_band_fk	YES

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + )	Diff Table?
FIVEGCELLID	5G cell identities	cellidkey_pk projectno	FK1 - schemakey_fk	NO
FIVEGCELLIDSHEMA	5G cell details and schema setting	projectno schemakey_pk		NO
FIVEGFRAMES	5G frame details	frame_pk projectno		YES
FIVEGFREQBANDS	5G frequency band details	freqbandpk projectno		YES
FIVEGRSIINDICES	Random Access Channel Route Sequence Index 5G cell identities.	cellidkey_pk projectno	FK1 - schemakey_fk	NO
FIVEGRSISHEMA	Random Access Channel Route Sequence Index 5G cell details and schema setting.	projectno schemakey_pk		NO
FLAGASSOCIATIONS	The field groups available for different element types	element-typekey flaggroupkey projectno	FK1 - flaggroupkey FK2 - elementtypekey	NO
FLAGGROUPPERMISSIONS	The association between field groups and user groups.	flaggroupkey usergroupkey projectno		NO
FLAGGROUPS	The available field groups, defined in the Field Editor dialog box	flaggroupkey projectno		NO
FLAGS	The available fields, defined in the Field Editor dialog box	flaggroupkey flagkey projectno	FK1 - flaggroupkey	NO
FLAGVALUES	The field settings of each object	element-typekey flaggroupkey objectkey projectno	FK1 - flaggroupkey FK2 - flaggroupkey + flagkey	YES
FREQBAND	The frequency bands used in the project.	freqbandkey projectno		NO
FREQCARRIERCONV	The conversion formulas used to extract the uplink and downlink frequencies from the appropriate ARFCNs. A frequency band can use different conversion formulas for different ranges of carriers	freqbandkey freq-conversion-key projectno	FK1 - freqbandkey	NO
FREQUENCYDIV	The frequency diversity hopping gain values	freqhopcars projectno		NO

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + )	Diff Table?
GRIDCANDIDATES	The candidate details for Properties	addressfk candidatepk projectno	FK1 - addressfk	YES
GRIDCONFIG	The grid settings, including the measurement units	configpk projectno		YES
GRIDCONFIGCELLS	The grid settings for the cells	configcellpk configfk projectno	FK1 - configfk	YES
GROUPCARRIER	The carriers associated with a frequency reuse group in a particular pattern, defined in the Group dialog box	carrier-number groupkey projectno		YES
HEXAGONGRIDS	The available hexagon radii defined in the Hexagon Radii dialog box	gridkey projectno		YES
HSDPARATE	HSDPA coding rates	hsdparatekey projectno		NO
IDENTIFIERS	The identifiers defined in the Identifier Options dialog box	identifier_fk projectno		NO
INTF	Not used	intfkey projectno		NO
INTFWEIGHTS	Not used	intfkey intflevel projectno		NO
IS95CARRIER	IS95 carriers	is95carpk projectno		YES
LOGICALOPS	The logical operators used in the user-defined filters	logicalopkey projectno	FK1 - filterkey	YES
LTECARRIER	LTE carriers	carrierkey projectno	FK1 - freq_band_fk FK2 - frame_struct_fk	YES
LTECARRIERMBSFN	LTE carriers for Multimedia Broadcast over Single Frequency Network	ltecarrier mbsfnpk projectno	FK1 - tgdatabitratefk FK2 - ltecarrierfk FK3 - tgmcchbitratefk	YES
LTECELLID	LTE cell identities	cellidkey_pk projectno	FK1 - schemakey_fk	NO
LTECELLIDSHEMA	LTE cell details and schema setting	projectno schemakey_pk		NO

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + )	Diff Table?
LTEFRAMES	LTE frame details	frame_pk projectno		YES
LTEFREQBANDS	LTE frequency band details	freqbandpk projectno		YES
LTEEICICABSPATTERN	LTE eICIC ABS pattern details	pattern_pk projectno		NO
LTEMUGLOOKUP	LTE Multi-User Gain lookup table values	lookuppk projectno		YES
LTEMUGLOOKUPOVERRIDE	LTE Multi-User Gain lookup table override setting	lookupoverridepk projectno		YES
LTEPREAMMAXCELLRANGE	LTE Max Cell Range lookup table Preamble settings	lookuppk projectno		YES
LTERACHRSICFG	LTE Random Access Channel/ Route Sequence Index configuration.	projectno rach_rsi_pk		NO
LTERSIIINDICES	Random Access Channel Route Sequence Index LTE cell identities.	cellidkey_pk projectno	FK1 - schemakey_fk	NO
LTERSISCHHEMA	Random Access Channel Route Sequence Index LTE cell details and schema setting.	projectno schemakey_pk		NO
MAPNAMES	Channel to transceiver maps defined in the Channel Maps dialog box	mapkey projectno		NO
MAPVALUES	The way in which channels are organised on the carriers in the Channel Maps dialog box	projectno	FK1 - mapkey	NO
MIMOGAINLOOKUP	MIMO details	mimogain lookup_pk projectno		NO
MULTIPATHCHANNELMODEL	Multipath Channel Model details.	mpcmodelpk projectno		YES
NEIGHBOURLIMITS	The maximum number of neighbours allowed on different cell and node types	limit_pk projectno		NO
NETTYPE	The type of network.	technology		NO
PATTERN	The frequency reuse structure, defined in the Groups dialog box	patternkey projectno	FK1 - carrierlayerkey	YES

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + )	Diff Table?
PATTERNGROUP	The allocation of carriers to the various frequency groups in a particular pattern, defined in the Groups dialog box	groupkey patternkey projectno	FK1 - patternkey	YES
PNINDEXSCHEMA	PN code index numbers	idname pnindex schemapk projectno		NO
PREDICTIONMODEL	The prediction models and their settings created in each project	modelkey projectno		YES
RULES	The rules used in user-defined filters	projectno rulekey	FK1 - filterkey FK2 - logicalopkey FK3 - ruletypekey	YES
RULETYPES	The rule types used in user-defined filters	ruletypekey		NO
SCHEMAMANAGERS	The schema managers	classid		NO
SCRIPTEVENTS	The events stored in database scripts	eventtype lognodeltypekey projectno scriptkey	FK1 - lognodeltypekey FK2 - scriptkey	NO
SCRIPTSTORAGE	The database scripts	scriptkey		NO
SERVICECARRIER	Carrier details	servicecarrierpk projectno	FK1 - carriertype FK2 - servicefk	YES
SRVCELLBITPRIOR	The priority order for bearers allocated to a cell layer	bitratekey cellaykey projectno servicekey	FK1 - bitratekey FK2 - cellaykey FK3 - servicekey	YES
SRVCELLPRIOR	The priority order for cell layers allocated to a service	cellaykey projectno servicekey	FK1 - cellaykey FK2 - servicekey	YES
TERMTYCARRIER		projectno termtycarrierpk	FK1 - termtypefk FK2 - carriertype	

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + )	Diff Table?
TERMTYCELLAY	The relationship between the cell layers and terminal types, defined in the Terminal Types dialog box	cellaykey projectno termtypekey	FK1 - termtypekey FK2 - cellaykey	YES
TERMTYCLUTTER	The amount of traffic and weightings for the clutter classes defined in the Terminal Types dialog box	code projectno termtypekey	FK1 - termtypekey	YES
TERMTYPE	The available terminal types	projectno termtypekey		YES
TERMTYPEPOINT	The amount of traffic spread in the projects' polygons. The traffic can be spread by using a weighting value or an Erlang value	projectno termtypekey code guidfield featid	FK1 - termtypekey	YES
TERMTPOLYGON	The amount of traffic spread in the projects' polygons. The traffic can be spread by using a weighting value or an Erlang value	code featid guidfield projectno termtypekey	FK1 - termtypekey	YES
TERMTYVECTOR	The amount of traffic spread along the projects' vectors. The traffic can be spread by using a weighting value or an Erlang value	code featid guidfield projectno termtypekey	FK1 - termtypekey	YES
TGBITRATE	Bitrates, defined in the Bitrates dialog box	bitratekey projectno	FK1 - hsdparatefk	YES
TGCARRIER	Carriers	carrierkey projectno		YES
TGCARRIERADJ	Carrier adjacencies	projectno rowindex tgcarrierfk	FK1 - tgcarrierfk	YES
TGCLUTTERLOSSSCHEMA	Schema details	clutterlosspk projectno		YES
TGCLUTTERPARAMS	Clutter parameters	paramskey schemakey projectno	FK1 - schemakey	YES
TGCLUTTERPARAMSSCHEMA	Schema details	clutterparamspk projectno		YES

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + )	Diff Table?
TGINDOORCLUTTERLOSS	Indoor clutter parameters	losskey projectno schemakey	FK1 - schemakey	YES
TGRESTYPE	Resources that can be used in the simulator	projectno resourcekey		YES
TGSERVBIT	The relationship between bitrates and services	bitratekey projectno servicekey		YES
TGSERVICE	Services	projectno servicekey		YES
TGSERVICEMBSFN	Services and carriers	projectno servicembsfnpk		YES
TGSHOG	Soft handover gains	projectno shogkey		YES
TGTERMSERV	The relationship between terminal types and services	projectno servicekey termtypekey		YES
TIMESLOTMAP	The timeslot maps defined for links in the Link Database	projectno timeslot-mapkey		NO
UMTSCODE	UMTS scrambling codes	code codegroup key projectno schemakey		YES
UMTSCODESCHEMA	UMTS scrambling code schema	key projectno		YES
VECATTR	Vector attributes and segments	attrid segid vecid		NO
VECBOUNDS	The vectors in the project.	vecid		NO
VECFILE	The location of the vector file	filename vecid		NO
WIFICARRIER	Wi-Fi carriers	carrierkey projectno		YES
WIMAXCARRIER	Fixed WiMAX carriers	carrierkey projectno		YES

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + )	Diff Table?
WIMAXCARRIERADJ	Fixed WiMAX carrier adjacencies	projectno rowindex wimaxcarrierfk	FK1 - wimaxcarrierfk	YES
WIMAXMOBCARRIER	Mobile WiMAX carriers	carrierno projectno	FK1 - carrierno	YES
WIMAXMOBCARRIERADJ	Mobile WiMAX carrier adjacencies	projectno rowindex	FK1 - wimaxmobcarrierfk	YES
WFSMAPPINGS	Web Feature Service mappings	projectno wfsmappingpk		NO
WFSSERVICES	Web Feature Services	idname wfsservicepk projectno		NO

## Table ACTIVEATTRIB

This table shows the column list:

Name	DataType	Constraint	Description
activeattributekey	integer	Not null	<b>Primary key</b> , storing a unique number for each active attribute in the database.
attributenum	integer	Not null	Indicates the type of active attribute. A unique number will be stored for each parameter in the Site Database. For more information, see About the "attributenum" Parameter on page 40.
bool	integer		Indicates whether the active attribute is Boolean (1) or not (0).
carlayerid	varchar2(128)		Identifies the carrier layer.
cellayerid	varchar2(128)		Identifies the cell layer.
elementtypekey	integer		Stores a unique number for each element type in the database. For more information, see About the "elementtypekey" Parameter on page 46.
filterkey	integer	Not null	Stores a unique number for each filter in the database.
modifyuser	integer	Not null	Stores a number indicating the last user who made changes to the table.
numberA	float		If the active attribute is a number (or a range), this field is the number 1 on the Rules Definition page of the Filter Wizard.
numberB	float		If the active attribute is a range, this field is number 2 on the Rules Definition page of the Filter Wizard.
objectkey	integer		If a list is being used for the active attribute, identifies each object in the list.
pickedobjectkey	integer	Not null	<b>Primary key</b> , storing a number for each picked object if a pick-list is being used for the active attribute.
projectno	integer	Not null	<b>Primary key</b> , storing a unique number for each project in a database.

Name	DataType	Constraint	Description
rdate	integer	Not null	The date defined on Step 3 of the Filter Wizard.
rtime	integer	Not null	The time defined on Step 3 of the Filter Wizard.
rulekey	integer	Not null	Stores a number for each rule in the database.
string	varchar2(255)		If the active attribute is a string, contains the string value.
techmode	integer		On the Rules Definition page of the Filter Wizard, the selection in the Tech . Mode field: Active (0), Not Active (1), Supported (2), Not Applicable (3).
technology	integer		Indicates the technology type. For example 257 = UMTS.

**Foreign keys:**

- FK1 (projectno + filterkey) references the FILTERS table
- FK2 (projectno + rulekey) references the RULES table

**About the "attributenum" Parameter**

This table shows the meanings of the possible values of the attributenum parameter:

Number	Attribute
1	GSM ID
3	MCC
4	Assigned Cell Layer
6	NCC
7	BCC
50	Allocated Carriers
51	Forbidden Carriers
52	Fixed Carriers
53	Allocated Traffic Carriers
54	Allocated Control Carriers
55	Forbidden Traffic Carriers
56	Forbidden Control Characters
57	Fixed Traffic Carriers
58	Fixed Control Carriers
65	MNC
66	BSIC
67	CGI
68	Cell Equipment
69	Equipment Correction Factor (db)
70	Enable DTX
71	Voice Activation Factor
72	Enable Antenna Hopping
75	Enable AMR

Number	Attribute
97	NSEI
98	City Type
99	Maximum Back Cell Radius
100	Maximum Front Cell Radius
102	Co-Channel Carriers
103	Adjacent Channel Carriers
201	ID
202	Address 1 (Property), 1st Name (MSC), Cell Name (GSM Cell)
203	Address 2 (Property), 2nd Name (MSC)
204	Comments
205	Contact Person
206	Antenna Type
207	Feeder Type
208	NCC
209	Mechanical Downtilt
210	Azimuth
211	Height
212	Antenna Corr. Factor (db)
213	LAC
217	Carrier
218	MHA Type
220	Relative Antenna location (East) (m)
222	Relative Antenna location (North) (m)
224	1st Order NBR
225	2nd Order NBR
230	Mast
231	Cabin
233	Mast Structure Height (m)
250	Owner
252	Owner Writable
253	Group Writable
254	Group (Write)
255	Last Modified User
263	Forbidden Azimuth Range Enabled
264	Clockwise Bearing Angle
265	Anti-Clockwise Bearing Angle
266	Antenna Device Fixed
267	Antenna Pattern Fixed
268	Mechanical Downtilt Fixed
269	Azimuth Fixed

Number	Attribute
270	Height Fixed
271	Constrain Max Main Lobe Tilt
272	Max Main Lobe Tilt
273	Fixed Site DB Sector Configuration
275	Primary Prediction Radius (m)
277	Primary Prediction Resolution (m)
280	Secondary Prediction Radius (m)
282	Secondary Prediction Resolution (m)
287	Relative Antenna Distance (m)
290	BSIC Schema
403	Property Code
405	DTM(m)
406	Actual DTM(m)
408	Town
409	Province
410	Post Code
411	Search Radius(m)
412	Use Actual DTM checked
416	Link High/Low Conflict
418	Location - East (m)
420	Location - North (m)
422	Building Height (m)
424	Override MTTR
425	MTTR
426	Available Height (m)
429	Antenna heights to Use (m)
431	Constrain Antenna Heights to Use
432	Height Variation Allowed
433	Antenna Co-Location Enabled
434	Same Height Antennas Min Azimuth Diff
435	Constrain Same Height Antennas Min Azimuth Diff
436	Max Mast Height (m)
438	Optimization Status
439	Location Fixed
440	Site Always Active
601	Hexagon Radius (m)
605	Site Equipment
606	Site Equipment Fixed
1202	RAC
1402	Number of Channels
1590	Antenna RX Diversity

Number	Attribute
1591	Antenna TX Diversity
1602	Sector Carrier Noise Rise Limit (dB)
1603	Sector Short PN Code Offset
1604	Max PA Power (dBm)
1605	Rated PA Power (dBm)
1606	Min Fundamental Channel Power (dBm)
1607	Max Fundamental Channel Power (dBm)
1608	Power Control Step Size (dB)
1612	Sector Carrier Pilot Power (dBm)
1613	Sector Carrier EV-DO Uplink Data Offset 153kb (db)
1614	Sector Carrier Number of Paging Channels
1615	Sector Carrier Paging Channel Power (dBm)
1616	Sector Carrier Sync Channel Power (dBm)
1618	Sector Carrier Receiver Noise Figure (dB)
1619	Sector Carrier Excess Noise (dBm)
1620	Sector Carrier DL Radio Configuration
1621	Sector Carrier Active Set Size
1622	Sector Carrier T-Drop (dBm)
1623	Sector Carrier TX Combiner Loss (dB)
1624	Sector Carrier RX Splitter Loss (dB)
1628	Sector Carrier Max Primary Channels
1629	Sector Carrier Static Analysis Achieved DL Traffic Power (dBm)
1631	Sector Carrier Min Supplemental Channel Power (dBm)
1632	Sector Carrier Max Supplemental Channel Power (dBm)
1635	Sector Number of Channels
1637	Sector Carrier TD-SCDMA Max DPCH Power (dBm)
1638	Sector Carrier Broadcast Control Channel Power (dBm)
1639	Sector Carrier Quick Paging Channel Power (dBm)
1640	Sector Carrier Common Power Control Channel Power (dBm)
1641	Sector Carrier Common Assignment Channel Power (dBm)
1642	Sector Carrier Common Control Channel Power (dBm)
1650	Sector Carrier Dedicated Control Channel Power (dBm)
1651	Sector Carrier EV-DO Uplink Data Offset Nom (db)
1652	Sector Carrier EV-DO Uplink Data Offset 9k6 (db)
1653	Sector Carrier EV-DO Uplink Data Offset 19k2 (db)
1654	Sector Carrier EV-DO Uplink Data Offset 38k4 (db)
1655	Sector Carrier EV-DO Uplink Data Offset 76k8 (db)
1656	Sector Carrier Paging Channel Data Rate (bps)
1657	Sector Carrier Number of Channels
1658	Sector Carrier Max Handoff Channels
1659	Sector Carrier Static Analysis Achieved Noise Rise (dBm)

Number	Attribute
1660	Sector Carrier TD-SCDMA Scrambling Code
1661	Sector Carrier TD-SCDMA Scrambling Code Group
1662	Sector Carrier TD-SCDMA Code ID
1663	Sector Carrier TD-SCDMA Min DPCH Power (dBm)
1664	Sector Carrier TD-SCDMA Code Orthogonality Factor
1665	Sector Carrier TD-SCDMA Joint Detection Orthogonality Factor
1666	Sector Carrier TD-SCDMA SP Configuration
1680	Sector Carrier MAC Indexes
1801	Main Freq Band
1802	Div Freq Band
1803	Main Freq Channel
1804	Div Freq Channel
1805	Main Channel High Freq (MHZ)
1806	Div Channel High Freq (MHZ)
1807	Main Channel Low Freq (MHZ)
1808	Div Channel Low Freq (MHZ)
1809	Main Antenna Type
1810	Div Antenna Type
1811	Main Antenna Diameter
1813	Div Antenna Diameter
1817	Main Antenna Operating Freq (MHZ)
1818	Div Antenna Operating Freq (MHZ)
1819	Main Polarisation
1820	Div Polarisation
1821	Main Radio Type
1822	Div Radio Type
1823	Main Radio TX Power (dBm)
1824	Div Radio TX Power (dBm)
1825	Main Centre Freq (MHZ)
1826	Div Centre Freq (MHZ)
1827	Main Freq Designation
1828	Div Freq Designation
1830	Link Terminal Equipment Name
1831	Cumulative Interference
1832	Show Interferers
1833	Primary BTS Routes
1834	Secondary BTS Routes
1843	Link Length (Km)
1835	Link Type
1836	LOS Status
1837	Capacity Allocation

Number	Attribute
1838	Rainfall Region (ITU-R)
1839	Propagation Prediction Calculation Method
1840	Capacity Type
1841	Rainfall Region (Crane)
1842	Rainfall Calculation Method
2001	RX Antenna Type
2002	RX Feeder Type
2003	RX Propagation Model
2004	RX MHA Type
2006	RX MHA Gain
2007	RX Prediction Radius (Km)
2009	RX Feeder Length (m)
2011	RX Antenna Height (m)
2013	RX Azimuth
2014	RX Mechanical Down Tilt
2015	RX Antenna Corr. Factor (dB)
2016	RX Antenna RX Diversity
2017	RX Antenna TX Diversity
2019	TX Antenna Type
2020	TX Feeder Type
2021	TX Primary Prediction Model
2022	TX Secondary Prediction Model
2023	TX MHA Type
2024	TX MHA Gain
2027	TX Feeder Length (m)
2029	TX Antenna Height (m)
2031	TX Azimuth
2032	TX Mechanical Down Tilt
2033	TX Antenna Corr Factor (db)
2034	TX Antenna RX Diversity
2035	TX Antenna TX Diversity
2040	Uplink Gain (dB)
2041	Uplink Noise Rise (dB)
2042	Downlink Gain (dB)
2401	Shared Antenna ID
2402	Is Shared Antenna ID
8000	Group (Read)
8001	Owner Readable
8002	Group Readable
8003	All Readable

## About the "elementtypekey" Parameter

A number of database tables include the elementtypekey parameter. This table shows what values the parameter can have and what network elements those values represent:

This Value	Represents
0	GLOBAL
1	ALL
64	LOCATION PROPERTY
65	LOCATION MOUNTINGPOINT
510	TRANSMISSION LINK
511	TRANSMISSION LINK PTP
512	TRANSMISSION LINK PMP
514	TRANSMISSION LINK BACKTOBACK
515	TRANSMISSION LINK REFLECTOR
521	POINT TO POINT LINKEND
550	TRANSMISSION NODE
551	TRANSMISSION NODE PMP HUB
552	POINT TO MULTI POINT SECTOR
559	TRANSMISSION MULTI RADIO LINK
561	TRANSMISSION DUAL POLAR LINK
1100	LOGICAL NETWORK
1101	LOGICAL PLMN
1200	NODE
1209	PREDICTABLE NODE
1210	CELLULAR NODE
1211	WMSC
1212	SGSN
1213	RNC
1214	NODEB
1215	WBSC
1216	BTS
1217	AMPS BTS
1218	CDMA MSC
1219	CDMA BSC
1220	CDMA BS
1222	UMTS REPEATER
1223	CDMA REPEATER
1300	CONNECTION
1301	CELLULAR CONNECTION
1330	CONNECTION ROUTE
1331	CONNECTION ROUTE HOP

<b>This Value</b>	<b>Represents</b>
1350	TRAFFIC
1351	NODE TRAFFIC
1352	CONNECTION TRAFFIC
1354	SIMULATOR TRAFFIC
2002	CELL BASE
2301	UMTS NODEB CARRIER
2302	UMTS CELL
2501	CDMA BS CARRIER
2502	CDMA BS SECTOR
2503	CDMA SECTOR CARRIER
2505	HDR DOWNLINK PARAMS
2510	CDMA CLUSTER
2511	CDMA SITE CLUSTER
2513	CDMA CARRIER
2601	GENERIC NBR
3000	EQUIPMENT TYPE
3210	ANTENNA BASE
3300	UMTS NODEB ANTENNA
3301	UMTS CELL FEEDER
3320	CDMA BS ANTENNA
3321	CDMA SECTOR FEEDER
5100	PROPERTY
5101	INTERCON
5102	MSC
5103	BSC
5104	DISTRIBUTION NODE
5105	CELLSITE
5106	AMPS CELL
5107	GSM CELL
5108	REPEATER
5109	NOMINAL PROPERTY
5110	CANDIDATE PROPERTY
5111	PREFERRED PROPERTY
5112	REGION
5113	ZONE
5114	ATTACHMENT
5116	SUB CELL
5125	3G CARRIER
11002	ENODEB
11003	LTE NODE CARRIER

This Value	Represents
11004	LTE NODE ANTENNA
11005	LTE CELL
11006	LTE CELL CARRIER
11007	LTE CELL FEEDER
11008	LTE REPEATER

## Table ACTIVEELEMENTS

This table shows the column list:

Name	DataType	Constraint	Description
elementtypekey	number(38)	Not null	<b>Primary key</b> storing a unique number for each element type in a database.
filterkey	number(38)	Not null	<b>Primary key</b> storing a unique number for each filter in the database.
modifyuser	number(38)	Not null	Stores a number indicating the last user who made changes to the table.
projectno	number(38)	Not null	<b>Primary key</b> , storing a unique number for each project in a database.
rulekey	number(38)	Not null	<b>Primary key</b> storing a unique number for each rule in the database.
technology	number(38)		Indicates the technology of the site. For example 257 = UMTS.

### Foreign Keys:

- FK1 (projectno + filterkey) references the FILTERS table
- FK2 (projectno + rulekey) references the RULES table

## Table ACTIVEFLAGS

This table shows the column list:

Name	DataType	Constraint	Description
datetime1	timestamp(6) with time zone		Stores the timestamp with time zone value.
datetime2	timestamp(6) with time zone		Stores the timestamp with time zone value.
filterkey	integer	Not null	<b>Primary key</b> storing a unique number for each filter in the database.
flaggroupkey	integer	Not null	<b>Primary key</b> storing a unique number for each field group in the database.
flagkey	integer	Not null	<b>Primary key</b> storing a unique number for each field in the database.
modifyuser	integer	Not null	Stores a number indicating the last user who made changes to the table.

Name	DataType	Constraint	Description
number1	float		Contains the minimum field value.
number2	float		Contains the maximum field value.
projectno	integer	Not null	<b>Primary key</b> , storing a unique number for each project in a database.
rulekey	integer	Not null	<b>Primary key</b> storing a unique number for each rule in the database.
string	varchar2(32)		If the active field is a string, stores the string value.
techmode	number(38)		On the Rules Definition page of the Filter Wizard, the selection in the Tech . Mode field: Active (0), Not Active (1), Supported (2), Not Applicable (3).
technology	number(38)		Indicates the technology of the site. For example 257 = UMTS.

**Foreign Keys:**

- FK1 (projectno + filterkey) references the FILTERS table
- FK2 (projectno + flaggroupkey) references the FLAGGROUPS table
- FK3 (projectno + rulekey) references the RULES table

**Table ACTIVEOBJECTS**

This table shows the column list:

Name	DataType	Constraint	Description
elementtypekey	integer	not null	<b>Primary key</b> that stores a unique number for each element type in the database.
filterkey	integer	not null	<b>Primary key</b> storing a unique number for each filter in the database.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
objectkey	integer	not null	<b>Primary key</b> storing a unique number for each object defined in the database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

**Foreign Keys:**

- FK1 (projectno + filterkey) references the FILTERS table

**Table ACTIVEPOLYGONS**

This table shows the column list:

Name	DataType	Constraint	Description
featid	integer	not null	<b>Primary key</b> , used in conjunction with the guidfield to describe the polygon.

Name	DataType	Constraint	Description
filterkey	integer	not null	<b>Primary key</b> storing a unique number for each filter in the database.
guidfield	varchar2(48)	not null	<b>Primary key</b> , used in conjunction with the featid to describe the polygon.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
polygonkey	integer	not null	<b>Primary key</b> storing a unique number for each polygon in the database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rulekey	integer	not null	<b>Primary key</b> that stores a number for each rule in the database.

**Foreign Keys:**

- FK1 (projectno + filterkey) references the FILTERS table
- FK2 (projectno + rulekey) references the RULES table

**Table ACTIVEWFS**

This table shows the column list:

Name	DataType	Constraint	Description
attribtype	integer	not null	Identifies the filter rule attribute type defined in the ENTERPRISE filter wizard.
description	varchar2(1024)		Stores a description of the WFS filter defined in the ENTERPRISE filter wizard.
filterfk	integer	not null	Stores a unique number for each filter in the database.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
queryxml	clob	not null	Stores an XML query .
rulefk	integer	not null	<b>Primary key</b> , storing a number for each rule in the database.
wfsattrib	varchar2(32)	not null	Stores the WFS attribute name.
wfsfeature	varchar2(32)	not null	Stores the WFS feature name.
wfsruletype	integer	not null	Identifies the WFS rule type.
wfsservicefk	integer	not null	Foreign key referencing the WFSSERVICES table.

**Foreign Keys:**

- FK1 (projectno + filterfk) references the FILTERS table
- FK2 (projectno + rulefk) references the RULES table

## Table AICAR

This table shows the column list:

Name	DataType	Constraint	Description
carriernumber	number	not null	<b>Primary key</b> that stores the Absolute Radio Frequency Channel Number (ARFCN) available to the project.
projectno	number	not null	<b>Primary key</b> , storing a unique number for each project in a database.

## Table ATTRIBUTETYPES

This table shows the column list:

Name	DataType	Constraint	Description
attributetypekey	integer	not null	<b>Primary key</b> used to identify attribute types in the database.
attributetypeid	varchar2(32)	not null	Identifies the attribute type.

## Table CARLAY

This table shows the column list:

Name	DataType	Constraint	Description
abbreviation	varchar2(128)		Stores an abbreviation for each carrier layer.
carlaykey	integer	not null	<b>Primary key</b> , storing a unique number for each carrier layer in the Carriers dialog box.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
freqbandkey	integer		Indicates the particular frequency band associated with each carrier layer.
ldname	varchar2(128)		Lists the names of all carrier layers.
maxcarriers	integer		The maximum number of carriers associated with each carrier layer.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
type	integer		Indicates the state of the carrier layer data - either traffic layer (0), control layer (1) or MA list (2).
usereusepattern	integer		Indicates whether to reuse a pattern (1) or not (0).

Name	DataType	Constraint	Description
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

**Foreign Keys:**

- FK1 (projectno + freqbandkey) references the FREQBAND table

**Table CARLAYAICAR**

This table shows the column list:

Name	DataType	Constraint	Description
carlaykey	integer	not null	<b>Primary key</b> , storing a unique number for each carrier layer in the Carriers dialog box.
carriernumber	integer	not null	<b>Primary key</b> , storing the carrier numbers allocated to each carrier layer created.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

**Foreign Keys:**

- FK1 (projectno + carriernumber) references the AICAR table

**Table CELLAY**

This table shows the column list:

Name	DataType	Constraint	Description
caoffset	float		Stores the C/A offset value.
ccmap	integer		Stores a number indicating the channel to carrier map chosen for use with the particular cell layers created or presented.
cellaykey	integer	not null	<b>Primary key</b> , storing a unique number for each cell layer in the database.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(128)		Lists the names of all cell layers.
iweight	integer		Defaults to the projectno.
meanci	float		Stores the mean C/I value.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.

Name	DataType	Constraint	Description
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
priority	integer		Describes the order in which traffic should be serviced by the cell layers, with 1 being the highest priority.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
superlayer	integer		Indicates whether the cell layer is a superlayer (1) or not (0).
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

## Table CELLAYCARLAY

This table shows the column list:

Name	DataType	Constraint	Description
carlaykey	integer	not null	<b>Primary key</b> , storing a unique number for each carrier layer in the Carriers dialog box.
cellaykey	integer	not null	<b>Primary key</b> , storing a unique number for each cell layer.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
priority	integer		Specifies the order in which the carrier layers should be appear on the cell layers in the Site Database. 0 is the highest priority, then 1 and so on.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

### Foreign Keys:

- FK1 (projectno + carlaykey) references the CARLAY table
- FK2 (projectno + cellaykey) references the CELLAY table

## Table COORDSYS

This table shows the column list:

Name	DataType	Constraint	Description
geosrid	number		Stores the EPSG code shown in the Geographic pane on the Coord system tab of the Modify Project dialog box.
projectno	number	not null	<b>Primary key</b> , storing a unique number for each project in a database.
srid	number	not null	Stores the EPSG code shown in the Projection pane on the Coord system tab of the Modify Project dialog box.

## Table COORDSYSDATA

This table shows the column list:

Name	DataType	Constraint	Description
filename	varchar2(256)		The coordinate system in use.
filedata	blob		The BLOB record contains the entire co-ordinate system database file, and is used by the co-ordinate conversion algorithms in the software.

## Table COVCLASS

This table shows the column list:

Name	DataType	Constraint	Description
color	integer		Associates a palette color with each coverage class defined in the Cell Layers dialog box. The number refers to the color's palette position.
covclasskey	integer	not null	<b>Primary key</b> , storing a unique number for each coverage class in the Cell Layers dialog box.
covschemakey	integer	not null	Stores a unique number for each coverage schema in a project.
dataset	integer		NOT USED.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
name	varchar2(128)		Stores the name of each coverage class defined in the Cell Layers dialog box.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

## Table COVSCHHEMA

This table shows the column list:

Name	DataType	Constraint	Description
covschemakey	integer	not null	<b>Primary key</b> , storing a unique number for each coverage schema in a project.
createuser	integer	not null	Stores a number indicating the user who created the object. The number is based on the order users were created in.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
idname	varchar2(128)		Stores the name of each coverage schema.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

Name	DataType	Constraint	Description
schematype	integer	not null	Indicates the Schema Type (System=0, User=-1) selected in the Schema Type pane of the Coverage Schema dialog box accessed using the GSM Coverage Schemas option from the Configuration menu.

## Table COVTHRESH

This table shows the column list:

Name	DataType	Constraint	Description
celllayerkey	integer		Associates each threshold with a cell layer.
covclasskey	integer		Associate each coverage class with a threshold.
covthreshkey	integer	not null	<b>Primary key</b> , storing a unique number for each coverage threshold in the database.
dataset	integer		NOT USED.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
threshold	float (64)		Stores all threshold values (in dBm)

## Table CWCELLTOSOURCEVECTOR

This table shows the column list:

Name	DataType	Constraint	Description
cwvectorpk	integer	not null	<b>Primary key</b> , storing a unique number for each measurement file/cell vector association.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
parentkey	integer	not null	Stores a number indicating the associated cell.
parentobjecttype	integer	not null	Stores a number indicating the type of parent object.
pathlosscorrection	integer	not null	Stores a number indicating whether pathloss correction is in use (1) or not (0).
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
vectorguid	varchar2(40)	not null	Stores a number representing a unique identifier.

## Table ENT\_ACTIVELOGON\_DATA

This table shows the column list:

Name	DataType	Constraint	Description
authtype	varchar2(32)		Indicates whether the user is externally authenticated or password authenticated when connecting to the database.

Name	DataType	Constraint	Description
childusrkey	number(38)		Stores a unique number, associating the user with the particular user that they are impersonating.
datetime	date	not null	The date and time the user is connected to the database for the current project.
hostname	varchar2(255)	not null	The host name for the connected client.
ip_address	varchar2(32)		The IP address of the user's machine.
isdba	varchar2(32)	not null	Indicates whether the user is a DBA user or not.
locked	number(1)		Indicates whether the user has locked the project to prevent other users (1) or not (0).
modetype	varchar2(50)		Stores a temporary representation of usrkey.
os_user	varchar2(255)		The OS username of the user.
pid	number(38)	not null	Stores a unique number for the process connected to the database.
processname	varchar2(256)		Stores the name of the process.
projectno	number(38)		Stores the number of the project to which the user is connected.
rw	number(1)	not null	Indicates if the project is read-only (0) or writable (1).
rw_allprojects	number(1)		Indicates whether multiple projects are to be opened as read-only (0) or writable (1).
sessionid	varchar2(32)	not null	<b>Primary key</b> , storing a unique identity for the client session.
sharedno	number(38)		The number of the sub-project that the user is logged into.
starttime	date	not null	The start time when the user connected to the database.
userid	varchar2(32)	not null	The identifier of the user connected to the database.
usrkey	number(38)	not null	<b>Primary key</b> , storing a unique number for each user in the database.

## Table ENT\_EVENTLOG\_DATA

This table shows the column list:

Name	DataType	Constraint	Description
eventpk	varchar2(20)	not null	Stores a unique number for each event in a database.
eventtime	date		The date and time the event occurred.
eventtype	number(38)		Stores the type of event that occurred - a commit (0), a refresh (1) or a deletion (2).
impusrkey	number(38)		Stores a unique number for each user impersonating a sandbox user in the database.
object2fk	number(38)		Secondary number associated with an additional referenced object.
objectfk	number(38)		Number associated with the referenced object.
objectid	varchar2(1024)		Stores the identifier of the object the event belongs to.
objecttype2fk	number(38)		Secondary number associated with an additional type of referenced object.
objecttypefk	number(38)		Number associated with the referenced object type.

Name	DataType	Constraint	Description
projectno	number(38)		Stores a unique number for each project in the database.
sharedno	number(38)		The sub-project number.
usrkey	number(38)		Stores a unique number for each sandbox user being impersonated in the database.

## Table ENT\_EXCEPTIONLOG

This table shows the column list:

Name	DataType	Constraint	Description
exinfo	varchar2(2000)		Stores a description of the error.
extime	date		The time and date when the error/exception occurred.
extype	integer		Indicates the type of error.
funcdata	xmlytype		Additional information on the package that raised the exception.
funcparams	varchar2(2000)		Parameter details of the call to the function that caused the error.
oracode	integer		The Oracle ORA error code.
oradesc	varchar2(512)		The Oracle error description.
projectno	integer		Stores a unique number for each project in the database.
sourcefunction	varchar2(32)		The name of function that raised the error.
sourcepackage	varchar2(32)		The name of the package that raised the error.
userkey	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.

## Table ENVTYPE

This table shows the column list:

Name	DataType	Constraint	Description
avghgt	float	Not null	The height, in metres, defined in the Average Height(m) field of the Model Assignment Calculator dialog box.
avghgtenable	integer	Not null	Stores a number indicating whether the Average Height fields are enabled (1) or not (0). Defined by the Average Height(m) checkbox in the Model Assignment Calculator dialog box.
avghgtoper	integer	Not null	Stores a number indicating the operator associated with the Average Height(m) field of the Model Assignment Calculator dialog box: <(0), <=(1), >(2), >=(3), =(4), !=(5)
createdate	date	Not null	The date when the object was created.
createuser	integer	Not null	Stores a number indicating the user who created the object. The number is based on the order users were created in.

Name	DataType	Constraint	Description
envtypepk	integer	Not null	<b>Primary key</b> , stores a number indicating the environment type defined in the Model Assignment Calculator dialog box. Each environment type created will have a unique 8 digit number.
idname	varchar2(128)	Not null	<b>Primary key</b> , storing the name of the environment type defined in the Model Assignment Calculator dialog box.
modifydate	date	Not null	The date when the object was last modified.
modifyuser	integer	Not null	Stores a number indicating the last user who made changes to the table.
permission	integer	Not null	Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
predmodelfk	integer	Not null	Stores a number indicating the propagation model defined in the Propagation Models dialog box.
priority	integer	Not null	Stores a number indicating the priority of Environment Types defined in the Model Assignment Calculator dialog box.
projectno	integer	Not null	<b>Primary key</b> , storing a unique number for each project in a database.
stddev	float	Not null	The standard deviation, in metres, defined in the Standard Deviation(m) field of the Model Assignment Calculator dialog box.
stddevenable	integer	Not null	Stores a number indicating whether the Standard Deviation fields are enabled (1) or not (0). Defined by the Standard Deviation(m) checkbox in the Model Assignment Calculator dialog box.
stddevoper	integer	Not null	Stores a number indicating the operator associated with the Standard Deviation(m) field of the Model Assignment Calculator dialog box: <(0), =<(1), >(2), >=(3), =(4), !=(5)
usergroup	integer	Not null	Stores a number indicating the user group associated with the user who created the object.

## Table ENVTYPECLUTTER

This table shows the column list:

Name	DataType	Constraint	Description
clutlogop	integer	Not null	Stores a number representing the logical operator found in the Logical Operator column of the Model Assignment Calculator dialog box: AND(6), OR(7), END(9)
clutoper	integer	Not null	Stores a number representing the operator found in the Operator column of the Model Assignment Calculator dialog box: <(0), =<(1), >(2), >=(3), =(4), !=(5)
clutpercent	integer	Not null	Stores a clutter percentage number from the Percentage(%) column of the Model Assignment Calculator dialog box.
clutterindex	integer	Not null	Stores a number representing the position of an item in the Rules table of the Model Assignment Calculator dialog box.

Name	DataType	Constraint	Description
createdate	date	Not null	The date when the object was created.
createuser	integer	Not null	Stores a number indicating the user who created the object. The number is based on the order users were created in.
envtypeclutterpk	integer	Not null	<b>Primary key</b> , storing a number representing the type of item in the Rules table of the Model Assignment Calculator dialog box.
envtypefk	integer	Not null	Stores a number representing an environment type indicated in the Environment Types pane of the Model Assignment Calculator dialog box. Each environment type created will have a unique 8 digit number.
idname	varchar2(32)	Not null	Stores a name from the Clutter names column of the Model Assignment Calculator dialog box.
modifydate	date	Not null	The date when the object was last modified.
modifyuser	integer	Not null	Stores a number indicating the last user who made changes to the table.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	integer	Not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	integer	Not null	Stores a number indicating the user group associated with the user who created the object.

## Table FILTERS

This table shows the column list:

Name	DataType	Constraint	Description
comments	varchar2(255)		Stores any comments associated with the filter.
createdate	date		The date when the object was created.
createuser	integer	not null	Stores a number indicating the user who created the object. The number is based on the order users were created in.
enddate	date		The filter's end date.
filterid	varchar2(128)	not null	Stores a number to identify each filter.
filterkey	integer	not null	<b>Primary key</b> that uniquely identifies each filter defined in the database.
lastuseddate	date		Indicates the last time that the filter was used.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
parentkey	integer		Identifies the parent folder for the filter.
permission	integer	not null	Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

Name	DataType	Constraint	Description
startdate	date		The filter's start date.
type	integer	not null	Indicates whether the filter is static (0) or dynamic (1).
usergroup	integer	not null	Stores a number indicating the user group associated with the user who created the object.

## Table FIVEGCARRIER

This table shows the column list:

Name	DataType	Constraint	Description
att_filter_dl_fk	number(38)		The Attenuation Filter type defined in the Downlink pane of the General tab in the 5G Carriers dialog box.
att_filter_ul_fk	number(38)		The Attenuation Filter type defined in the Uplink pane of the General tab in the 5G Carriers dialog box.
carrierkey	number(38)	not null	<b>Primary key</b> , storing a unique number for each 5G carrier in the database.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
frame_struct_fk	number(38)		The Frame Structure defined for a 5G Carrier. Type1-FDD-Normal-CP(1), Type1-FDD-Extended-CP(2), Type3-MBSFN(5).
idname	varchar2	not null	The name of the 5G carrier.
is_active	number(38)		Indicates whether or not the Hide Inactive Carriers option is selected(1) or not(0) for a 5G Carrier.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
nrarfcn_dl	number(38)		The Centre Frequency MHz defined in the Downlink pane of the General tab in the 5G Carriers dialog box.
nrarfcn_ul	number(38)		The Centre Frequency MHz defined in the Uplink pane of the General tab in the 5G Carriers dialog box.
pdcch_rbs	float		The PDCCH Resource Blocks value defined in the Data/Control resource pane of the general tab in the 5G Carriers dialog box.
pdsch_ovh	float		The PDSCH Overhead % defined in the Data/Control resource pane of the general tab in the 5G Carriers dialog box.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)		<b>Primary key</b> , storing a unique number for each project in a database.
pucch_rbs	number(38)		The PUCCH resource Blocks value defined in the Data/Control resource pane of the general tab in the 5G Carriers dialog box.

Name	DataType	Constraint	Description
pusch_ovh	number(38)		The PUSCH Overhead % defined in the Data/Control resource pane of the general tab in the 5G Carriers dialog box.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

**Foreign Keys:**

- FK1 (frame\_struct\_fk + projectno) references the FIVEGFRAMES table
- FK2 (freq\_band\_fk + projectno) references the FIVEGFREQBANDS table

**Table FIVEGCELLID**

This table shows the column list:

Name	DataType	Constraint	Description
cellidkey_pk	number(38)	not null	<b>Primary key</b> , storing a unique number for each 5G cell in the database.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
schemakey_fk	number(38)	not null	Indicates the Schema setting, Unknown (0) or All (1) defined on the General sub-tab of the 5G Params tab for a 5G cell on the Site Database.
schema_code	number(38)	not null	Specifies the type of code schema used. Type(0) is unknown.
schema_group	number(38)	not null	Specifies the type of group schema used. Type(0) is unknown.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

**Foreign Keys:**

- FK1 (schemakey\_fk + projectno) references the FIVEGCELLIDSHEMA table

## Table FIVEGCELLIDS\_SCHEMA

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(128)	not null	Field which stores the names provided for each logical 5G cell in the database.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
network_type	number(38)	not null	Stores a number indicating the network type.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
schemakey_pk	number(38)	not null	<b>Primary key</b> , indicating the Schema setting, Unknown (0) or All (1) defined on the General sub-tab of the 5G Params tab for a 5G cell on the Site Database.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table FIVEGFRAMES

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date	not null	The date when the object was created.
createuser	number(38)	not null	Stores a number indicating the user who created the object. The number is based on the order users were created in.
dlbandwidth	float		The Bandwidth (MHz) defined in the Downlink pane on the General tab of the 5G Frame Structures dialog box.
dlcyclicpref	number(38)		The Cyclic Prefix, Normal (0) or Extended (1) defined in the Downlink pane on the General tab of the 5G Frame Structures dialog box.
dlnumerology	number(38)		The Numerology value defined in the Downlink pane on the General tab of the 5G Frame Structures dialog box.
dlprb	number(38)		The #PRBs defined in the Downlink pane on the General tab of the 5G Frame Structures dialog box.
dlsymbols	float		The Symbols value defined in the Downlink pane on the General tab of the 5G Frame Structures dialog box.

Name	DataType	Constraint	Description
frame_pk	number(38)	not null	<b>Primary key</b> , a number identifying the frame type.
freq_band_fk			Foreign key identifying the frequency band defined for a 5G carrier.
idname	varchar(2)128	not null	The Name of the frame type defined in the 5G Frame Structures dialog box under 5G Configuration and Frame Structures from the Configuration menu.
modifydate	date	not null	The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
permission	number(38)	not null	Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
ssbnumerology	number(38)		The Numerology value defined in the SSB Configuration pane on the General tab of the 5G Frame Structures dialog box.
ssbperiodicity	number(38)		The Periodicity (Ms) value defined in the SSB Configuration pane on the General tab of the 5G Frame Structures dialog box.
ulbandwidth	float		The Bandwidth (MHz) defined in the Uplink pane on the General tab of the 5G Frame Structures dialog box.
ulcyclicpref	number(38)		The Cyclic Prefix, Normal (0) or Extended (1) defined in the Uplink pane on the General tab of the 5G Frame Structures dialog box.
ulnumerology	number(38)		The Numerology value defined in the Uplink pane on the General tab of the 5G Frame Structures dialog box.
ulprb	number(38)		The #PRBs defined in the Uplink pane on the General tab of the 5G Frame Structures dialog box.
ulsymbols	float		The Symbols value defined in the Uplink pane on the General tab of the 5G Frame Structures dialog box.
usergroup	number(38)	not null	Stores a number indicating the user group associated with the user who created the object.

## Table FIVEGREQBANDS

This table shows the column list:

Name	DataType	Constraint	Description
allowrasteroffset	number(38)	not null	Indicates whether the Allow Raster Offset option is selected (1) or not (0) in the Settings pane of the 5G Frequency Bands dialog box.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
dlchanrasterkhz	float		The Channel Raster kHz value defined in the Downlink pane of the 5G Frequency Bands dialog box.
dlfreqhimhz	float		The Freq Hi (MHz) value defined in the Downlink pane of the 5G Frequency Bands dialog box.

Name	DataType	Constraint	Description
dlnfreqlomhz	float		The Freq Lo (MHz) value defined in the Downlink pane of the 5G Frequency Bands dialog box.
dlnrarfcnhi	number(38)	not null	The NR-ARFCN Hi value defined in the Downlink pane of the 5G Frequency Bands dialog box.
dlnrarfcnlo	number(38)	not null	The NR-ARFCN Lo value defined in the Downlink pane of the 5G Frequency Bands dialog box.
dlnrarfcnrasterkhz	float		The NR-ARFCN Raster kHz value defined in the Downlink pane of the 5G Frequency Bands dialog box.
duplexmode	number(38)	not null	The Duplex Mode defined in the Settings pane of the 5G Frequency Bands dialog box. Can be Unknown(0), FDD(1), TDD(2), SUL(3) or SDL(4).
freqbandname	varchar2(255)	not null	The Frequency Band Name defined in the Settings pane of the 5G Frequency Bands dialog box.
freqbandpk	number(38)	not null	<b>Primary key</b> , identifying the frequency band.
frmode	number(38)	not null	The Frequency Range Mode defined in the Settings pane of the 5G Frequency Bands dialog box. Can be FR1(0) or FR2(1).
is_licensed	number(38)		Indicates whether the Licensing Status is Licensed (1) or Unlicensed (0).
modifydate	date		The date when the object was last modified.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
nrband	number(38)		The NR Frequency Band selected in the NR Frequency Bands pane of the 5G Frequency Bands dialog box.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
ulchanrasterkhz	float		The Channel Raster kHz value defined in the Uplink pane of the 5G Frequency Bands dialog box.
ulfreqhimhz	float		The Freq Hi (MHz) value defined in the Uplink pane of the 5G Frequency Bands dialog box.
ulfreqlomhz	float		The Freq Lo (MHz) value defined in the Uplink pane of the 5G Frequency Bands dialog box.
ulnrarfcnhi	number(38)	not null	The NR-ARFCN Hi value defined in the Uplink pane of the 5G Frequency Bands dialog box.
ulnrarfcnlo	number(38)	not null	The NR-ARFCN Lo value defined in the Uplink pane of the 5G Frequency Bands dialog box.
ulnrarfcnrasterkhz	float		The NR-ARFCN Raster kHz value defined in the Uplink pane of the 5G Frequency Bands dialog box.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table FIVEGRSIINDICES

This table shows the column list:

Name	DataType	Constraint	Description
cellidkey_pk	number(38)	not null	<b>Primary key</b> , storing a unique number for each RSI 5G cell in the database.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
schemakey_fk	number(38)	not null	Foreign key, referencing the FIVEGRSIINDICES table.
schema_code	number(38)	not null	Specifies the type of code schema used. Type(0) is unknown.
schema_group	number(38)	not null	Specifies the type of group schema used. Type(0) is unknown.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

### Foreign Keys:

- FK1 (schemakey\_fk + projectno) references the FIVEGRSISCHEMA table.

## Table FIVEGRSISCHEMA

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(128)	not null	Field which stores the names provided for each logical RSI 5G cell in the database.
isshortformat	number(1)	not null	Indicates whether the Short Format option is selected (1) or not (0) in the Preamble Format pane of the 5G RACH RSI Schemas dialog box accessed by selecting RACH RSI Schemas under 5G Configuration on the Configuration menu.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.

Name	DataType	Constraint	Description
network_type	number(38)	not null	Stores a number indicating the network type.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
schemakey_pk	number(38)	not null	<b>Primary key</b> , indicating the Schema setting, Unknown (0) or All (1) defined on the General sub-tab of the 5G tab for an LTE cell on the Site Database.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table FLAGASSOCIATIONS

This table shows the column list:

Name	DataType	Constraint	Description
elementtypekey	integer	not null	<b>Primary key</b> , storing a unique number for each element type in the database.
flaggroupkey	integer	not null	<b>Primary key</b> , storing a unique number for each field group in the database.
indx	integer	not null	NOT USED.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

### Foreign Keys:

- FK1 (projectno + flaggroupkey) references the FLAGGROUPS table
- FK2 (elementtypekey) references the LOGNODETYPE table

## Table FLAGGROUPPERMISSIONS

This table shows the column list:

Name	DataType	Constraint	Description
flaggroupkey	integer	not null	<b>Primary key</b> , storing a unique number for each field group in the database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroupkey	integer	not null	<b>Primary key</b> , storing a unique number for each user group in the database.

## Table FLAGGROUPS

This table shows the column list:

Name	DataType	Constraint	Description
fieldtype	integer	not null	Indicates the data type for each field in the table - Picklist (0), Integer (1), Float (2), String (3), Boolean (4).
flaggroupid	varchar2(128)	not null	Stores the name of the field group.
flaggroupkey	integer	not null	<b>Primary key</b> , storing a unique number for each field group in the database.
flaggrouplocked	integer	not null	Indicates whether the lock checkbox is selected (1) or not (0) for a field in the Field Definer dialog box of the ENTERPRISE Administrator.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
resetoncloning	integer	not null	Indicates whether the Reset On Cloning checkbox is selected (1) or not (0) for a field in the Field Definer dialog box of the ENTERPRISE Administrator.

## Table FLAGS

The FLAGS table stores each field group and its respective fields. Each row represents one field group and has a unique name indicative of the order in which they were added, starting at 0, followed by 1, 2, and so on. In each group you can create 50 fields identified with a two-digit code (00, 01, 02, ...49). Again, these codes are indicative of the order in which they were added.

The columns in the FLAGS table are as follows:

Name	DataType	Constraint	Description
flaggroupkey	integer	not null	<b>Primary key</b> , storing a unique number for each field group in the database.
flagid	varchar2(128)	not null	Stores a unique identifier for each field.
flagkey	integer	not null	<b>Primary key</b> that uniquely identifies each flag group within the project, starting at 0 and counting upwards for each new one added.
indx	integer	not null	Stores a number for each fields in their order of creation.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

### Foreign Keys:

- FK1 (projectno + flaggroupkey) references the FLAGGROUPS table

## About Fields

Fields are associated with sites and links. The table:

- FLAGGROUPS, stores object parameter names, for example UMTS Cell Ids, for which the fields can be associated.
- FLAGASSOCIATIONS, stores values indicating for which elements the field groups are available.
- FLAGVALUES, stores the individual data for the fields.

## Table FLAGVALUES

This table shows the column list:

Name	DataType	Constraint	Description
datetimefielddata	timestamp(6) with time zone		Stores the timestamp with time zone value.
elementtypekey	integer	not null	<b>Primary key</b> , storing a unique number for each element type in the database.
flaggroupkey	integer	not null	<b>Primary key</b> , storing a unique number for each field group in the database.
flagkey	integer	not null	Stores a unique number for each flag group within the project, starting at 0 and counting upwards for each new one added.
floatfielddata	float		If the field value is expressed as a float, stores the float value.
intfielddata	integer		If the field value is expressed as an integer, stores the integer value.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
objectkey	integer	not null	<b>Primary key</b> storing a unique number for each object defined in the database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
stringfielddata	varchar2 (128)		If the field value is expressed as a string, stores the string value.

### Foreign keys:

- FK1 (projectno + flaggroupkey) references the FLAGGROUPS table
- FK2 (projectno + flaggroupkey + flagkey) references the FLAGS table
- FK3 (elementtypekey) references the LOGNODETYPE table

## Table FREQBAND

This table shows the column list:

Name	DataType	Constraint	Description
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
freqbandkey	integer	not null	<b>Primary key</b> , storing a unique number for each frequency band in the database.
modifyuser	integer		Stores a number indicating the last user who made changes to the table.
name	varchar2(128)		Stores the name of each frequency band in the database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

## Table FREQCARRIERCONV

This table shows the column list:

Name	DataType	Constraint	Description
freqbandkey	integer	not null	<b>Primary key</b> , indicating the particular frequency band associated with each carrier conversion formula.
freqconversionkey	integer	not null	<b>Primary key</b> , storing a unique number for each carrier conversion formula in the database.
name	varchar2(128)		Stores the name of each conversion formula in the database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rangex	integer		Stores the first ARFCN number in the carrier range.
rangey	integer		Stores the last ARFCN number in the carrier range.
separation	float		Stores the separation value between the uplink and downlink frequencies.
variablea	float		Stores the starting frequency for the conversion formulas.
variableb	float		Stores the frequency separation between adjacent frequencies (for example, between two adjacent uplink frequencies).

### Foreign keys:

- FK1 (projectno + freqbandkey) references the FREQBAND table

## Table FREQUENCYDIV

This table shows the column list:

Name	DataType	Constraint	Description
freqhopcars	number(38)	not null	<b>Primary key</b> , storing a unique number for each frequency hopping carrier.
gain	float		Stores the frequency diversity gain in dB.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.

## Table GRIDCANDIDATES

This table shows the column list:

Name	DataType	Constraint	Description
addressfk	number(38)	not null	<b>Primary key</b> , storing the ID of the nominal Property that contains the candidate.
candaddressfk	number(38)		Foreign key which stores the ID of the candidate Property.
candidatepk	number(38)	not null	<b>Primary Key</b> , storing a unique number for each candidate Property in the database.

Name	DataType	Constraint	Description
latitude	float(64)		Location of the candidate Property stored as Easting.
longitude	float(64)		Location of the candidate Property stored as Northing.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.

**Foreign Keys:**

- FK1 (projectno + addressfk) references the SITEADDRESS table

**Table GRIDCONFIG**

This table shows the column list:

Name	DataType	Constraint	Description
configpk	number(38)	not null	<b>Primary Key</b> , storing a unique number for each grid configuration.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
objectfk	number(38)	not null	Stores a unique number, identifying each object in the configuration.
objecttypefk	number(38)	not null	Stores a unique number, identifying the type of each object in the configuration.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.

**Table GRIDCONFIGCELLS**

This table shows the column list:

Name	DataType	Constraint	Description
cellfk	number(38)	not null	Cell key for GSM or UMTS.
celltypefk	number(38)	not null	Identifies the cell type.
configcellpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each cell in a configuration.
configfk	number(38)	not null	Foreign key, storing a unique number associating the cell with a particular configuration.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
objectfk	number(38)	not null	Stores a unique number identifying the parent object.
objecttypefk	number(38)	not null	Stores a unique number identifying the parent object type.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
subcellfk	number(38)	not null	Stores the cell layer (GSM only).

**Foreign Keys:**

- FK1 (projectno + configfk) references the GRIDCONFIG table

**Table GROUPCARRIER**

This table shows the column list:

Name	DataType	Constraint	Description
carriernumber	number(38)	not null	<b>Primary key</b> , indicating the carriers associated with each group within a frequency re-use pattern.
groupkey	number(38)	not null	<b>Primary key</b> , indicating the frequency re-use pattern associated with a carrier group.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
patternkey	number(38)	not null	Primary key, stores a unique number for each pattern in the database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.

**Table HEXAGONGRIDS**

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
gridkey	integer	not null	<b>Primary key</b> , storing a unique number for each mid hexagon radii in the database.
idname	varchar2(32)		Stores the name of each mid-hexagon radii in the database.
latitude	float		The latitude co-ordinates of the site.
longitude	float		The longitude co-ordinates of the site.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
radius	integer		Stores the mid hexagon radius, defined in the Hexagon Radii dialog box.
split	integer		Indicates the method for calculating the hexagon radii, either corner (1) or face (0).
style	integer		NOT USED.

Name	DataType	Constraint	Description
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

## Table HSDPARATE

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
hsdparatekey	integer	not null	<b>Primary key</b> , storing a unique number for each HSDPA coding rate in the database.
idname	varchar2(32)	not null	The name of the HSDPA coding rate, defined in the HSDPA Coding Rates dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	integer		Stores a number indicating the last user who made changes to the table.
modulation	integer	not null	Indicates the type of modulation used, either QPSK (0) or 16QAM (1).
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rate	float	not null	The effective data rate of the HSDPA coding rate (for example, 0.5 or 0.25), defined in the HSDPA Coding Rates dialog box.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

## Table IDENTIFIERS

This table shows the column list:

Name	DataType	Constraint	Description
base_string	varchar2(32)		Describes the base string (Property, MSC, BSC and so on), defined in the Identifier Options dialog box.
base_string_enabled	integer	not null	Indicates whether the base string is enabled (1) or not (0).
combined_string	varchar2(32)		For combined strings (such as Multi-radio links), this stores the base string used for the second element (for example, the radio link for a dual polar link).
createdate	date	not null	The date when the object was created.

Name	DataType	Constraint	Description
createuser	integer	not null	Stores a number indicating the user who created the object. The number is based on the order users were created in.
enforce_name_enabled	integer	not null	Indicate whether the Enforce Naming Convention (on Commit) option has been selected (1) or not (0).
identifiers_pk	integer	not null	<b>Primary key</b> , storing a unique value for each identifier in the database.
idname	varchar2(32)	not null	Stores the ID name - for object types, this is NOVAL, but the Override Database defined Identifiers option is listed here.
id_scheme	integer		Stores the ID scheme value.
modifydate	date	not null	The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
object_type_id	integer	not null	Stores a number associating an object type with a related object type - for example, BSC and SMLC.
padding_min	integer		The Padding Min Length value.
padding_min_enabled	integer	not null	Indicates whether the Use Padding Min Length option has been selected (1) or not (0).
pattern_string	varchar2(2000)		Stores the Pattern String, defined in the Identifier Options dialog box.
permission	integer	not null	Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
subtype_id	integer	not null	Stores the subtype ID.
update_cells_enabled	integer	not null	Indicates whether the Update Cell IDs option has been selected (1) or not (0). (Cell Site or Node identifiers only)
usergroup	integer	not null	Stores a number indicating the user group associated with the user who created the object.

## Table INTF

This table shows the column list:

Name	DataType	Constraint	Description
caoffset	integer		NOT USED.
idname	varchar2(32)		NOT USED.
intfkey	integer	not null	NOT USED.
numweights	integer		NOT USED.
projectno	integer	not null	NOT USED.
startvalue	integer		NOT USED.

## Table INTFWEIGHTS

This table shows the column list:

Name	DataType	Constraint	Description
intfkey	integer	not null	NOT USED.
intflevel	integer	not null	NOT USED.
projectno	integer	not null	NOT USED.
weights	integer		NOT USED.

## Table IS95CARRIER

This table shows the column list:

Name	Data Type	Constraint	Description
allocated	number(38)		NOT USED
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
fwdlinkcar	float		Stores the downlink frequency.
idname	varchar2(128)		Field which stores the names provided for each IS95 carrier in the database.
is95carpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each CDMA2000 carrier.
leftnbrchan	number(38)		Stores the value of interference from the left neighbour channel.
leftnbrdldb	float		Stores the value of interference from the left neighbour downlink.
leftnbruldb	float		Stores the value of interference from the left neighbour uplink.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
priority	number(38)		Field that describes the order in which traffic should be serviced by the various cell layers with 1 being the highest priority.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
revlinkcar	float		Stores the uplink frequency.
rightnbrchan	number(38)		Stores the value of interference from the right neighbour channel.
rightnbrdldb	float		Stores the value of interference from the right neighbour downlink.

Name	Data Type	Constraint	Description
rightnbruldb	float		Stores the value of interference from the right neighbour uplink.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table LOGICALOPS

This table shows the column list:

Name	DataType	Constraint	Description
filterkey	integer	not null	Stores a unique number for each filter in the database.
logicalopkey	integer	not null	<b>Primary key</b> , storing a unique number for each logical operator in the database.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
nodeid	varchar2(64)	not null	Stores the ID code for each node.
parentlogicalopkey	integer		Stores a unique number for the parent for the logical operator.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
sortorder	integer		Defines the order in which the sibling nodes in the rule tree are displayed and processed.
treelevel	integer	not null	Indicates the logical operator's position in the tree structure, from top-most tree level (0) downwards.
type	integer	not null	Indicates the type of logical operator used, AND (1), OR (2) or none (0).

### Foreign Keys:

- FK1 (projectno + filterkey) references the FILTERS table

## Table LTECARRIER

This table shows the column list:

Name	DataType	Constraint	Description
attenuation_dl	float		The Attenuation in dB defined in the Downlink Parameters pane on the Frequency\E-ARFCN tab for an LTE Carrier.
attenuation_ul	float		The Attenuation in dB defined in the Uplink Parameters pane on the Frequency\E-ARFCN tab for an LTE Carrier.
bandwidth_mhz	float		The Bandwidth in MHz defined for an LTE Carrier.
bcast_num_res_blocks	number(38)		The number of Resource Blocks defined in the # RBs column for the Downlink Broadcast row on the Overhead tab for an LTE Carrier.
bcast_num_subframes	number(38)		The number of Subframes defined in the # Subframes column for the Downlink Broadcast row on the Overhead tab for an LTE Carrier.

Name	DataType	Constraint	Description
bcast_subframe_tx1	number(38)		The number of Resource Elements defined in the Tx=1 column for the Downlink Broadcast row on the Overhead tab for an LTE Carrier.
bcast_subframe_tx2	number(38)		The number of Resource Elements defined in the Tx=2 column for the Downlink Broadcast row on the Overhead tab for an LTE Carrier.
bcast_subframe_tx2plus	number(38)		The number of Resource Elements defined in the Tx>2 column for the Downlink Broadcast row on the Overhead tab for an LTE Carrier.
carrierkey	number(38)	not null	<b>Primary key</b> , storing a unique number for each LTE carrier in the database.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
ctrl_pdcch_num_res_blocks	number(38)		The number of Resource Blocks defined in the # RBs column for the Downlink Control row on the Overhead tab for an LTE Carrier.
ctrl_pdcch_num_subframes	number(38)		The number of Subframes defined in the # Subframes column for the Downlink Control row on the Overhead tab for an LTE Carrier.
ctrl_pdcch_subframe_tx1	number(38)		The number of Resource Elements defined in the Tx=1 column for the Downlink Control row on the Overhead tab for an LTE Carrier.
ctrl_pdcch_subframe_tx2	number(38)		The number of Resource Elements defined in the Tx=2 column for the Downlink Control row on the Overhead tab for an LTE Carrier.
ctrl_pdcch_subframe_tx2plus	number(38)		The number of Resource Elements defined in the Tx>2 column for the Downlink Control row on the Overhead tab for an LTE Carrier.
ctrl_pucch_num_res_blocks	number(38)		The number of Resource Blocks defined in the # RBs column for the Uplink Control row on the Overhead tab for an LTE Carrier.
ctrl_pucch_num_subframes	number(38)		The number of Subframes defined in the # Subframes column for the Uplink Control row on the Overhead tab for an LTE Carrier.
ctrl_pucch_subframe_tx1	number(38)		NOT USED
ctrl_pucch_subframe_tx2	number(38)		The number of Resource Elements defined for the Uplink Control row on the Overhead tab for an LTE Carrier.
ctrl_pucch_subframe_tx2plus	number(38)		NOT USED
demod_num_res_blocks	number(38)		The number of Resource Blocks defined in the # RBs column for the Uplink Demod. Reference row on the Overhead tab for an LTE Carrier.
demod_num_subframes	number(38)		The number of Subframes defined in the # Subframes column for the Uplink Demod. Reference row on the Overhead tab for an LTE Carrier.
demod_subframe_tx1	number(38)		NOT USED
demod_subframe_tx2	number(38)		The number of Resource Elements defined for the Uplink Demod. Reference row on the Overhead tab for an LTE Carrier.

Name	DataType	Constraint	Description
demod_subframe_t_x2plus	number(38)		NOT USED
dl_ue_rs_num_res_blocks	number(38)		The number of Resource Blocks defined in the # RBs column for the Downlink User-Specific RS row on the Overhead tab for an LTE Carrier.
dl_ue_rs_num_subframes	number(38)		The number of Subframes defined in the # Subframes column for the Downlink User-Specific RS row on the Overhead tab for an LTE Carrier.
dl_ue_rs_num_tx1	number(38)		The number of Resource Elements defined in the Tx=1 column for the Downlink User-Specific RS row on the Overhead tab for an LTE Carrier.
dl_ue_rs_num_tx2	number(38)		The number of Resource Elements defined in the Tx=2 column for the Downlink User-Specific RS row on the Overhead tab for an LTE Carrier.
dl_ue_rs_num_tx2plus	number(38)		The number of Resource Elements defined in the Tx>2 column for the Downlink User-Specific RS row on the Overhead tab for an LTE Carrier.
enhcicschemes_enabled	number(2)		Indicates whether the eICIC (Time-domain) ICIC option is selected (1) or not (0) on the ICIC Schemes tab for an LTE Carrier
fft_size	number(38)		The FFT Size defined for an LTE Carrier.
frame_struct_fk	number(38)		The Frame Structure defined for an LTE Carrier. Type1-FDD-Normal-CP(1), Type1-FDD-Extended-CP(2), Type3-MBSFN(5).
freq_band_fk	number(38)		The Frequency Band defined for an LTE Carrier.
freq_hi_dl	float		The High Frequency in MHz defined in the Downlink Parameters pane on the Frequency\E-ARFCN tab for an LTE Carrier.
freq_hi_ul	float		The High Frequency in MHz defined in the Uplink Parameters pane on the Frequency\E-ARFCN tab for an LTE Carrier.
freq_lo_dl	float		The Low Frequency in MHz defined in the Downlink Parameters pane on the Frequency\E-ARFCN tab for an LTE Carrier.
freq_lo_ul	float		The Low Frequency in MHz defined in the Uplink Parameters pane on the Frequency\E-ARFCN tab for an LTE Carrier.
hi_earfcn_dl	number(38)		The High E-ARFCN defined in the Downlink Parameters pane on the Frequency\E-ARFCN tab for an LTE Carrier.
hi_earfcn_ul	number(38)		The High E-ARFCN defined in the Uplink Parameters pane on the Frequency\E-ARFCN tab for an LTE Carrier.
icicmethod	number(2)		Indicates the ICIC scheme in use. Defined on the ICIC Schemes tab for an LTE Carrier. Reuse1(0), Soft Frequency Reuse(1), Reuse Partitioning(2).
icicschemes_enabled	number(2)		Indicates whether the Intercell Interference Coordination Schemes option is selected (1) or not (0) on the ICIC Schemes tab for an LTE Carrier
idname	varchar2	not null	The name of the LTE carrier.
is_active	number(38)		Indicates whether or not the Hide Inactive Carriers option is selected(1) or not(0) for an LTE Carrier.
is_licensed	number(38)		Indicates whether the Licensing Status is Licensed (1) or Unlicensed (0) for an LTE Carrier.

Name	DataType	Constraint	Description
lo_earfcn_dl	number(38)		The Low E-ARFCN defined in the Downlink Parameters pane on the Frequency\E-ARFCN tab for an LTE Carrier.
lo_earfcn_ul	number(38)		The Low E-ARFCN defined in the Uplink Parameters pane on the Frequency\E-ARFCN tab for an LTE Carrier.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
num_resource_blocks	number(38)		The number of Resource Blocks defined in the # Resource Blocks field in the LTE Carriers dialog box.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)		<b>Primary key</b> , storing a unique number for each project in a database.
ref_sig_num_res_blocks	number(38)		The number of Resource Blocks defined in the # RBs column for the Downlink Reference Signal row on the Overhead tab for an LTE Carrier.
ref_sig_num_subframes	number(38)		The number of Subframes defined in the # Subframes column for the Downlink Reference Signal row on the Overhead tab for an LTE Carrier.
ref_sig_subframe_tx1	number(38)		The number of Resource Elements defined in the Tx=1 column for the Downlink Reference Signal row on the Overhead tab for an LTE Carrier.
ref_sig_subframe_tx2	number(38)		The number of Resource Elements defined in the Tx=2 column for the Downlink Reference Signal row on the Overhead tab for an LTE Carrier.
ref_sig_subframe_tx2plus	number(38)		The number of Resource Elements defined in the Tx>2 column for the Downlink Reference Signal row on the Overhead tab for an LTE Carrier.
reuse1coordfactor	float		The Coordination Factor defined in the Reuse 1 (prioritisation) pane of the ICIC Schemes tab for an LTE Carrier.
reuse1partitions	number(38)		The number of Partitions defined in the Reuse Partitioning pane of the ICIC Schemes tab for an LTE Carrier.
reusepartbw	float		The Bandwidth Ratio (CEU-Full) defined in the Reuse Partitioning pane of the ICIC Schemes tab for an LTE Carrier.
reusepartce_partitions	number(38)		The number of CE Partitions defined in the Reuse Partitioning pane of the ICIC Schemes tab for an LTE Carrier.
reusepartcoord_factor	float		The CC Coordination Factor defined in the Reuse Partitioning pane of the ICIC Schemes tab for an LTE Carrier.
reusepartpow	float		The Power Ratio (CCU-CEU) defined in the Reuse Partitioning pane of the ICIC Schemes tab for an LTE Carrier.
sampling_factor	float		The Sampling Factor defined for an LTE Carrier.

Name	DataType	Constraint	Description
snd_ref_num_res_blocks	number(38)		The number of Resource Blocks defined in the # RBs column for the Uplink Sounding Reference row on the Overhead tab for an LTE Carrier.
snd_ref_num_subframes	number(38)		The number of Subframes defined in the # Subframes column for the Uplink Sounding Reference row on the Overhead tab for an LTE Carrier.
snd_ref_subframe_tx1	number(38)		NOT USED
snd_ref_subframe_tx2	number(38)		The number of Resource Elements defined for the Uplink Sounding Reference row on the Overhead tab for an LTE Carrier.
snd_ref_subframe_tx2plus	number(38)		NOT USED
softreusece_partitions	number(38)		The number of CE Partitions defined in the Soft Frequency Reuse pane of the ICIC Schemes tab for an LTE Carrier.
softreusecoord_factor	float		The Coordination Factor defined in the Soft Frequency Reuse pane of the ICIC Schemes tab for an LTE Carrier.
softreusepow	float		The Power Ratio (CCU-CEU) defined in the Soft Frequency Reuse pane of the ICIC Schemes tab for an LTE Carrier.
softreusesbw	float		The Soft Bandwidth Ratio (CEU-Full) defined in the Soft Frequency Reuse pane of the ICIC Schemes tab for an LTE Carrier.
sync_num_res_blocks	number(38)		The number of Resource Blocks defined in the # RBs column for the Downlink Synchronization row on the Overhead tab for an LTE Carrier.
sync_num_subframes	number(38)		The number of Subframes defined in the # Subframes column for the Downlink Synchronization row on the Overhead tab for an LTE Carrier.
sync_subframe_tx1	number(38)		The number of Resource Elements defined in the Tx=1 column for the Downlink Synchronization row on the Overhead tab for an LTE Carrier.
sync_subframe_tx2	number(38)		The number of Resource Elements defined in the Tx=2 column for the Downlink Synchronization row on the Overhead tab for an LTE Carrier.
sync_subframe_tx2plus	number(38)		The number of Resource Elements defined in the Tx>2 column for the Downlink Synchronization row on the Overhead tab for an LTE Carrier.
ul_ue_rs_num_res_blocks	number(38)		The number of Resource Blocks defined in the # RBs column for the Uplink User-Specific RS row on the Overhead tab for an LTE Carrier.
ul_ue_rs_num_subframes	number(38)		The number of Subframes defined in the # Subframes column for the Uplink User-Specific RS row on the Overhead tab for an LTE Carrier.
ul_ue_rs_subframe_tx1	number(38)		The number of Resource Elements defined in the Tx=1 column for the Uplink User-Specific RS row on the Overhead tab for an LTE Carrier.
ul_ue_rs_subframe_tx2	number(38)		The number of Resource Elements defined in the Tx=2 column for the Uplink User-Specific RS row on the Overhead tab for an LTE Carrier.

Name	DataType	Constraint	Description
ul_ue_rs_subframe_tx2plus	number(38)		The number of Resource Elements defined in the Tx>2 column for the Uplink User-Specific RS row on the Overhead tab for an LTE Carrier.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

**Foreign Keys:**

- FK1 (frame\_struct\_fk + projectno) references the LTEFRAMES table
- FK2 (freq\_band\_fk + projectno) references the LTEFREQBANDS table

**Table LTECARRIERMBSFN**

This table shows the column list:

Name	Data Type	Constraint	Description
areaid	number(38)	not null	The MBSFN Area ID defined on the eMBMS tab of theLTE Carriers dialog box accessed from the Configuration menu.
ltecarrierfk	number(38)	not null	Foreign key referencing Table LTECARRIER.
ltecarriermbsfnpk	number(38)	not null	<b>Primary key</b> , storing a unique identifier.
mcchoffset	number(38)	not null	The MCCH Offset in Frames defined on the eMBMS tab of theLTE Carriers dialog box accessed from the Configuration menu.
mcchpattern	number(38)	not null	The MCCH Pattern defined on the eMBMS tab of theLTE Carriers dialog box accessed from the Configuration menu.
mcchperiod	number(38)	not null	The MCCH period in Frames defined on the eMBMS tab of theLTE Carriers dialog box accessed from the Configuration menu.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
nonmbsfnlength	number(38)	not null	The Non-MBSFN Symbols defined on the eMBMS tab of theLTE Carriers dialog box accessed from the Configuration menu.
offset	number(38)	not null	The Offset in Frames defined on the eMBMS tab of theLTE Carriers dialog box accessed from the Configuration menu.
pattern	number(38)	not null	The Pattern defined on the eMBMS tab of theLTE Carriers dialog box accessed from the Configuration menu.
patternszie	number(38)	not null	The Pattern Size in Frames defined on the eMBMS tab of theLTE Carriers dialog box accessed from the Configuration menu.
period	number(38)	not null	The Period in Frames defined on the eMBMS tab of theLTE Carriers dialog box accessed from the Configuration menu.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
tgdatabitratefk	number(38)	not null	Foreign key referencing Table TGBITRATE.

Name	Data Type	Constraint	Description
tgmccchbitratefk	number(38)	not null	Foreign key referencing Table TGBITRATE.

**Foreign Keys:**

FK1 (tgdatabitratefk + project no) references the TGBITRATE table

FK2 (ltecarrierfk + project no) references the LTECARRIER table

FK3 (tgmccchbitratefk + project no) references the TGBITRATE table

**Table LTECELLID**

This table shows the column list:

Name	DataType	Constraint	Description
cellidkey_pk	number(38)	not null	<b>Primary key</b> , storing a unique number for each LTE cell in the database.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
schemakey_fk	number(38)	not null	Indicates the Schema setting, Unknown (0) or All (1) defined on the General sub-tab of the LTE Params tab for an LTE cell on the Site Database.
schema_code	number(38)	not null	Specifies the type of code schema used. Type(0) is unknown.
schema_group	number(38)	not null	Specifies the type of group schema used. Type(0) is unknown.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

**Foreign Keys:**

- FK1 (schemakey\_fk + projectno) references the LTECELLIDSHEMA table

## Table LTECELLIDSHEMA

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(128)	not null	Field which stores the names provided for each logical LTE cell in the database.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
network_type	number(38)	not null	Stores a number indicating the network type.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
schemakey_pk	number(38)	not null	<b>Primary key</b> , indicating the Schema setting, Unknown (0) or All (1) defined on the General sub-tab of the LTE Params tab for an LTE cell on the Site Database.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table LTEEICICABSPATTERN

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date	not null	The date when the object was created.
createuser	number(38)	not null	Stores a number indicating the user who created the object. The number is based on the order users were created in.
lookuppk	number(38)	not null	Primary key, storing a unique number identifying this table.
modifydate	date	not null	The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
patternmask	varchar2(256)		The pattern mask defined under Configuration, Lookup tables and Curves, LTE eICIC ABS patterns.
patternname	varchar2(256)		The pattern name defined under Configuration, Lookup tables and Curves, LTE eICIC ABS patterns.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.

Name	DataType	Constraint	Description
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table LTEFRAMES

This table shows the column list:

Name	DataType	Constraint	Description
configuration	number(38)	not null	The Configuration defined on the General tab in the LTE Frame Structures dialog box. Can be LTE Standard(1), or Custom(2).
createdate	date	not null	The date when the object was created.
createuser	number(38)	not null	Stores a number indicating the user who created the object. The number is based on the order users were created in.
cyclic_prefix	number(38)	not null	The Cyclic Prefix defined on the General tab in the LTE Frame Structures dialog box. Can be Normal(1), or Extended(2).
duplex_mode	number(38)	not null	The Duplex Mode defined on the General tab in the LTE Frame Structures dialog box. Can be FDD(1), or TDD(2).
frame_duration	float	not null	The Frame Duration in ms defined on the General tab in the LTE Frame Structures dialog box. Can be Normal(1), or Extended(2).
frame_pk	number(38)	not null	<b>Primary key</b> , a number identifying the frame type.
idname	varchar(2)128	not null	The Name of the frame type defined in the LTE Frame Structures dialog box.
modifydate	date	not null	The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
num_slots_per_sub_frame	number(38)	not null	The Number of Slots per Subframe defined on the General tab in the LTE Frame Structures dialog box.
num_subcars_rb_dl	number(38)	not null	The number of Downlink Subcarriers defined on the Resource Block Config tab in the LTE Frame Structures dialog box.
num_subcars_rb_ul	number(38)	not null	The number of Uplink Subcarriers defined on the Resource Block Config tab in the LTE Frame Structures dialog box.
num_subframes	number(38)	not null	The Number of Subframes defined on the General tab in the LTE Frame Structures dialog box.
num_symbols_rb_dl	number(38)	not null	The number of Downlink Symbols defined on the Resource Block Config tab in the LTE Frame Structures dialog box.
num_symbols_rb_ul	number(38)	not null	The number of Uplink Symbols defined on the Resource Block Config tab in the LTE Frame Structures dialog box.
permission	number(38)	not null	Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.

Name	DataType	Constraint	Description
ref_sig_subcars	number(38)	not null	The number of Reference Signal Subcarriers defined on the Resource Block Config tab in the LTE Frame Structures dialog box.
subcarrier_spacing	float	not null	The Subcarrier Spacing in kHz defined on the General tab in the LTE Frame Structures dialog box.
subframe_position	varchar2(19)	not null	The subframe position shown under Frame Configuration for a TDD frame on the General tab in the LTE Frame Structures dialog box.
tdd_frame_config	number(38)	not null	A number denoting the Frame Configuration for a TDD frame defined on the General tab in the LTE Frame Structures dialog box.
tdd_subframes_dl	number(38)	not null	The number of Downlink Subframes shown on the General tab in the LTE Frame Structures dialog box.
tdd_subframes_sp	number(38)	not null	The number of Uplink Subframes shown on the General tab in the LTE Frame Structures dialog box.
tdd_subframes_ul	number(38)	not null	The number of Special Subframes shown on the General tab in the LTE Frame Structures dialog box.
usergroup	number(38)	not null	Stores a number indicating the user group associated with the user who created the object.

## Table LTEFREQBANDS

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
dlchanrast	float		The Downlink Channel Raster in MHz defined in the Frequency Band Editor dialog box for an LTE frequency band.
dlwrrnglim	number(38)	not null	The Downlink E-ARFCN Min defined in the Frequency Band Editor dialog box for an LTE frequency band.
dlstartfreq	float		The Downlink Start Frequency in MHz defined in the Frequency Band Editor dialog box for an LTE frequency band.
dluprrnglim	number(38)	not null	The Downlink E-ARFCN Max defined in the Frequency Band Editor dialog box for an LTE frequency band.
duplexmode	number(38)	not null	The Duplex Mode defined in the Frequency Band Editor dialog box for an LTE frequency band. Can be Unknown(0), FDD(1), TDD(2).
eutraband	number(38)		A number identifying the E-UTRA band.
freqbandname	varchar2(255)	not null	The Frequency Band Name defined in the Frequency Band Editor dialog box for an LTE frequency band.
freqbandpk	number(38)	not null	<b>Primary key</b> , identifying the frequency band.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.

Name	DataType	Constraint	Description
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
ulchanrast	float		The Uplink Channel Raster in MHz defined in the Frequency Band Editor dialog box for an LTE frequency band.
ullwrrnglim	number(38)	not null	The Uplink E-ARFCN Min defined in the Frequency Band Editor dialog box for an LTE frequency band.
ulstartfreq	float		The Uplink Start Frequency in MHz defined in the Frequency Band Editor dialog box for an LTE frequency band.
uluprrnglim	number(38)	not null	The Uplink E-ARFCN Max defined in the Frequency Band Editor dialog box for an LTE frequency band.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table WIFICARRIER

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number		Stores a number indicating the user who created the object. The number is based on the order users were created in.
lookuppk	number	not null	<b>Primary key</b> , storing a unique number for each LTEMUG lookup table in the database.
modifydate	date		The date when the object was last modified.
modifyuser	number	not null	Stores a number indicating the last user who made changes to the table.
mugndependence	float	not null	The values shown in the MUG-N Dependence column of the table shown in the LTE Proportional Fair Scheduler - Multi User Gain dialog box. This is accessed from the Configuration menu under Lookup Tables and Curves, and then LTE PF Scheduler Multi-User Gain.
numberofusers	number	not null	The values shown in the Number of Users column of the table shown in the LTE Proportional Fair Scheduler - Multi User Gain dialog box. This is accessed from the Configuration menu under Lookup Tables and Curves, and then LTE PF Scheduler Multi-User Gain.
permission	number		Three digit code that provides the permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	number		Stores a number indicating the user group associated with the user who created the object.

## Table LTEMUGLOOKUPOVERRIDE

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number		Stores a number indicating the user who created the object. The number is based on the order users were created in.
isoverridden	number		Indicates whether the Override HUG, SINR and MIMO Dependence option is selected (1) or not (0) on the LTE Proportional Fair Scheduler - Multi User Gain dialog box. This is accessed from the Configuration menu under Lookup Tables and Curves, and then LTE PF Scheduler Multi-User Gain.
lookupoverridepk	number	not null	<b>Primary key</b> , storing a unique number for each LTEMUG lookup table in the database.
modifydate	date		The date when the object was last modified.
modifyuser	number	not null	Stores a number indicating the last user who made changes to the table.
overriddenvalue	float	not null	Indicates whether the Override HUG, SINR and MIMO Dependence value shown in the LTE Proportional Fair Scheduler - Multi User Gain dialog box. This is accessed from the Configuration menu under Lookup Tables and Curves, and then LTE PF Scheduler Multi-User Gain.
permission	number		Three digit code that provides the permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	number		Stores a number indicating the user group associated with the user who created the object.

## Table LTEPREAMMAXCELLRANGE

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number (38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
lookuppk	number (38)	not null	<b>Primary key</b> , a unique number identifying this table.
maxcellrange	float	not null	The Preamble Format (0-4) defined in the LTE Preamble Max Cell range dialog box accessible under Lookup Tables and Curves from the Configuration menu.
modifydate	date		The date when the object was last modified.
modifyuser	number (38)	not null	Stores a number indicating the last user who made changes to the table.

Name	DataType	Constraint	Description
permission	number (38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
preambleformat	number (38)	not null	The Preamble Format (0-4) shown in the LTE Preamble Max Cell range dialog box accessible under Lookup Tables and Curves from the Configuration menu.
projectno	number (38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	number (38)		Stores a number indicating the user group associated with the user who created the object.

## Table LTERACHRSICFG

This table shows the column list:

Name	DataType	Constraint	Description
config_type	number(38)	not null	The look-up table from which the required number of RSI is auto-calculated when Zero Correlation Zone Config or Ncs value is selected on the RACH RSI tab for an LTE cell on the Site Database. 1 = Ncs Unrestricted table 2 = Ncs Restricted table 3 = Ncs table
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
num_cyclic_shift	number(38)		The Cyclic Shift value defined on the RACH RSI tab for an LTE cell on the Site Database.
num_rsi_required	number(38)	not null	The required number of RSI (Root Sequence Index), between 1 and 64 inclusive, defined on the RACH RSI tab for an LTE cell on the Site Database.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rach_rsi_pk	number(38)	not null	<b>Primary key</b> , storing a unique number for each line in the table.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.
zone_config	number(38)		The Zero Correlation Zone Configuration (0-15) defined on the RACH RSI tab for an LTE cell on the Site Database.

## Table LTERSIIINDICES

This table shows the column list:

Name	DataType	Constraint	Description
cellidkey_pk	number(38)	not null	<b>Primary key</b> , storing a unique number for each RSI LTE cell in the database.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
schemakey_fk	number(38)	not null	Foreign key, referencing the RSILTECELLIDSHEMA table.
schema_code	number(38)	not null	Specifies the type of code schema used. Type(0) is unknown.
schema_group	number(38)	not null	Specifies the type of group schema used. Type(0) is unknown.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

### Foreign Keys:

- FK1 (schemakey\_fk + projectno) references the RSILTECELLIDSHEMA table

## Table LTERSISCSHEMA

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(128)	not null	Field which stores the names provided for each logical RSI LTE cell in the database.
ispreambleformat4	number(1)	not null	Indicates whether the Preamble Format 4 option is selected (1) or not (0) in the Preamble Format pane of the LTE RACH RSI Schemas dialog box accessed by selecting RACH RSI Schemas under LTE Configuration on the Configuration menu.
modifydate	date		The date when the object was last modified.

Name	DataType	Constraint	Description
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
network_type	number(38)	not null	Stores a number indicating the network type.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
schemakey_pk	number(38)	not null	<b>Primary key</b> , indicating the Schema setting, Unknown (0) or All (1) defined on the General sub-tab of the LTE Params tab for an LTE cell on the Site Database.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table MAPNAMES

This table shows the column list:

Name	DataType	Constraint	Description
defaultno	integer		Stores the default number of channels on each carrier for every map definition.
gsm	integer		Indicates whether the Channel to Carrier map uses dedicated GPRS channels(1) or not (0).
idname	varchar2(128)	not null	Stores the name of each Channel to Carrier map, defined in the Channel Maps dialog box.
mapkey	integer	not null	<b>Primary key</b> , storing a unique number for each Channel to Carrier map in the database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

## Table MAPVALUES

This table shows the column list:

Name	DataType	Constraint	Description
carrier	integer		For each Nth channel in the map, the database stores the number of available traffic and control timeslots. This field refers to which Nth the data is for - for example, a value of 5 would indicate the 5th channel, a 7 the 7th channel and so on.
mapkey	integer		Stores a unique number for each channel to transceiver map in the database.
maxchannels	integer		The Total Number of Channels, which is the maximum number that can be used on each carrier.
num_cs	integer		The number of circuit switched channels. This is the total number of channels minus the total channels used for the four options described in the next four rows.
num_ctrl	integer		The number of shared control channels, defined in the Map Editor dialog box.

Name	DataType	Constraint	Description
num_gprs	integer		The number of GPRS channels, defined in the Map Editor dialog box.
num_gprctrl	integer		The number of GPRS control channels. defined in the Map Editor dialog box.
num_hscsd_limit	integer		NOT USED.
projectno	integer		<b>Primary key</b> , storing a unique number for each project in a database.

**Foreign Keys:**

- FK1 (projectno + mapkey) references the MAPNAMES table

**Table MIMOGAINLOOKUP**

This table shows the column list:

Name	Data Type	Constraints	Description
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
mimetype	integer	not null	Identifies the tab in the AAS parameters dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rx	integer		The number of receive elements specified in the Advanced Antenna System Parameters dialog box.
technology	integer	not null	Stores a number identifying the technology for AAS parameter tables - Mobile WiMAX (0), UMTS/HSPA (1) or LTE (2).
tx	integer		The number of transmit elements specified in the Advanced Antenna System Parameters dialog box.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
value	float	not null	The number defined in the Value column of a tab in the AAS Parameters dialog box.

## Table MULTIPATHCHANNELMODEL

This table shows the column list:

Name	Data Type	Constraint	Description
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
excesstapdelay1 (... and so on up to) excesstapdelay20	number(38)	not null	The Excess Tap Delay values (in ns) defined in the Multipath Channel Models dialog box accessed under Lookup tables and Curves from the Configuration menu.
idname	varchar2(255)	not null	The tab in the Multipath Channel Models dialog box accessed under Lookup tables and Curves from the Configuration menu. Values are EPA, EVA, ETU, CUSTOM or UNKNOWN.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
mpcmodelpk			<b>Primary key</b> , identifying the mpc model.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
relativepower1 (... and so on up to) relativepower20	float	not null	The Relative Power values (in dB) defined in the Multipath Channel Models dialog box accessed under Lookup tables and Curves from the Configuration menu.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table NEIGHBOURLIMITS

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date	not null	The date when the object was created.
createuser	number	not null	Stores a number indicating the user who created the object. The number is based on the order users were created in.
enabled	number	not null	Indicates whether the neighbour limits are active (1) or not (0). This is defined on the Neighbour Limits dialog box.
limit	number	not null	Indicates the value of the limit.

Name	DataType	Constraint	Description
limit_id	number	not null	In combination with the section_id, forms a unique identifier. <ul style="list-style-type: none"><li>• 1 = Max no. relations in GSM cell</li><li>• 2 = Max no. relations in UMTS cell</li><li>• 3 = GSM - GSM</li><li>• and so on</li></ul>
limit_pk	number	not null	<b>Primary key</b> , storing a unique number for the limit in the database.
modifydate	date	not null	The date when the object was last modified.
modifyuser	number	not null	Stores a number indicating the last user who made changes to the table.
projectno	number	not null	<b>Primary key</b> , storing a unique number for each project in a database.
section_id	number	not null	In combination with the limit_id, forms a unique identifier. <ul style="list-style-type: none"><li>• Total Limits per Cell =1</li><li>• Neighbour Type Limits per Cell = 2</li></ul>
techenabled	number	not null	Indicates whether an option is selected (1) or not (0) in the Outward Neighbour Limits dialog box available under Neighbour Limits on the Configuration menu in ENTERPRISE Administrator.

## Table NETTYPE

Name	Data Type	Constraint	Description
description	varchar2(30)		NONE, UMTS, GSM, LTE, Fixed WiMAX, Mobile WiMAX, CDMA, Wi-Fi.
technology	number(38)	not null	0=NONE, 14=CDMA, 16=GSM, 257=UMTS, 512=Fixed WiMAX, 2048=Mobile WiMAX, 8192=LTE, 32768=Wi-Fi.
tgnettype	varchar2(128)	not null	Internal use only.

## Table PATTERN

This table shows the column list:

Name	DataType	Constraint	Description
afrequency	integer		The number of sites in a frequency re-use group.
bfrequency	integer		The number of cells in a frequency re-use group.
carrierlayerkey	integer		Stores a unique number for each carrier layer.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.

Name	DataType	Constraint	Description
patternkey	integer	not null	<b>Primary key</b> , stores a unique number for each pattern in the database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

**Foreign Keys:**

- FK1 (projectno + carrierlayerkey) references the CARLAY table

**Table PATTERNGROUP**

This table shows the column list:

Name	DataType	Constraint	Description
groupkey	integer	not null	<b>Primary key</b> , storing a unique number for each frequency re-use group defined in the Groups dialog box.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
patternkey	integer	not null	<b>Primary key</b> , indicating the group carriers associated with each pattern in the database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

**Foreign Keys:**

- FK1 (projectno + patternkey) references the PATTERN table

**Table PNINDEXSCHEMA**

This table shows the column list:

Name	Data Type	Constraint	Description
createdate	date	not null	The date when the object was created.
createuser	integer	not null	Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(128)	not null	<b>Primary key</b> , stores the name of the schema.
modifydate	date	not null	The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer	not null	Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
pnindex00		not null	Stores the first PN code index.
...(and so on up to)			
pnindex113		not null	Stores the last PN code index.

Name	Data Type	Constraint	Description
pnindex schemapk	integer	not null	<b>Primary key</b> , storing a unique identifier.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	integer	not null	Stores a number indicating the user group associated with the user who created the object.

## Table PREDICTIONMODEL

This table shows the column list:

Name	DataType	Constraint	Description
comments	varchar2(2048)		Stores any additional comments for the propagation model, defined in the Propagation Models dialog box.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(128)	not null	Stores the name of the propagation model, defined in the Propagation Models dialog box.
modelkey	number(38)	not null	<b>Primary key</b> , storing a unique number for each propagation model in the database.
modelparams	clob		Stores details of the propagation model parameters.
modeltype	varchar2(128)		Specifies the CLSID GUID of the CoClass exposing the IAircomPredEngine interface.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
systemparams	clob		Stores parameters that are specific to this model but are not exposed as model parameters.

## Table RULES

This table shows the column list:

Name	DataType	Constraint	Description
attributetypekey	integer	not null	Stores a unique number for each attribute type in the database.
elementtypekey	integer		Stores a unique number for each element type in the database.
filterkey	integer	not null	Stores a unique number for each filter in the database.
logicalopkey	integer	not null	Stores a unique number for each logical operator in the database.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.

Name	DataType	Constraint	Description
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rnot	integer	not null	Indicates whether the Not option is selected for the rule (1) or not (0).
rulekey	integer	not null	<b>Primary key</b> , storing a unique number for each rule in the database.
ruletypekey	integer	not null	Stores a unique number for each rule type in the database.

#### Foreign Keys:

- FK1 (projectno + filterkey) references the FILTERS table
- FK2 (projectno + logicalopkey) references the LOGICALOPS table
- FK3 (ruletypekey) references the RULETYPES table

## Table RULETYPES

This table shows the column list:

Name	DataType	Constraint	Description
ruletypeid	varchar2(32)	not null	The id of the rule type.
ruletypekey	integer	not null	<b>Primary key</b> , storing a unique number for each rule type in the database.

## Table SCHEMAMANAGERS

This table shows the column list:

Name	DataType	Constraint	Description
classid	varchar2(200)	not null	<b>Primary key</b> , storing the unique identifier for a class.
description	varchar2(1024)		Optional - provides additional Schema Manager information.
name	varchar2(32)		User defined name for the Schema Manager.
progid	varchar2(100)		Uniquely identifies a Programme ID in the System Registry.

## Table SCRIPTEVENTS

This table shows the column list:

Name	DataType	Constraint	Description
eventtype	number	not null	<b>Primary key</b> , indicating the type of event - Apply (0), Commit (1) or Restore (2).
ignoreonerror	number	not null	Indicates whether the event will be ignored if there is an error (1) or not (0).
isEnabled	number	not null	Indicates whether the event is enabled (1) or not (0).

Name	DataType	Constraint	Description
lognodekey	number	not null	<b>Primary key</b> associating the event with a particular logical node.
projectnumber	number	not null	<b>Primary key</b> , storing a unique number for each project in a database.
scriptkey	number	not null	<b>Primary key</b> associating the event with a particular script.

**Foreign Keys:**

- FK1 (lognodekey) references the LOGNODETYPE table
- FK2 (scriptkey) references the SCRIPTSTORAGE table

**Table SCRIPTSTORAGE**

This table shows the column list:

Name	DataType	Constraint	Description
scriptkey	float	not null	<b>Primary key</b> storing a unique number for each script in the database.
scriptname	varchar2(255)	not null	The name of the original script file.
scripttext	clob		The text of the script.

**Table SERVICECARRIER**

This table shows the column list:

Name	DataType	Constraint	Description
carrierfk	number(38)	not null	Stores a unique number identifying a particular carrier.
carriertype	number(38)	not null	Foreign key, identifying the type of carrier.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
priority	number(38)	not null	Field that describes the order in which traffic should be serviced by the various cell layers with 1 being the highest priority.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
servicecarrierpk	number(38)	not null	<b>Primary key</b> ,
servicefk	number(38)	not null	Foreign key, identifying the service.

**Foreign keys:**

- FK1 (carriertype) references the LOGNODETYPE table
- FK2 (projectno + servicefk) references the TGSERVICE table

## Table SRVCELLBITPRIOR

This table shows the column list:

Name	DataType	Constraint	Description
bitratekey	integer	not null	<b>Primary key</b> , uniquely identifying 3g bitrates.
cellaykey	integer	not null	<b>Primary key</b> associates carrier layers to cell layers in the site database.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
priority	integer		Indicates the priority of the serving cell.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
servicekey	integer	not null	<b>Primary key</b> uniquely identifies each service.

### Foreign Keys:

- FK1 (projectno + bitratekey) references the TGBITRATE table
- FK2 (projectno + cellaykey) references the CELLAY table
- FK3 (projectno + servicekey) references the TGSERVICE table

## Table SRVCELLPRIOR

This table shows the column list:

Name	DataType	Constraint	Description
cellaykey	integer	not null	<b>Primary key</b> associates carrier layers to the various cell layers in the site database.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
priority	integer		Stores 3g carrier priorities.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
servicekey	integer	not null	<b>Primary key</b> identifying the number of the project the user has permissions for in the site database.

### Foreign Keys:

- FK1 (projectno + cellaykey) references the CELLAY table
- FK2 (projectno + servicekey) references the TGSERVICE table

## Table TERMTYCARRIER

This table shows the column list:

Name	DataType	Constraint	Description
carrierfk	number(38)	not null	Stores a unique number identifying a particular carrier.
carriertype	number(38)	not null	Foreign key, identifying the type of carrier.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
pcellsupported	number(38)		Indicates whether the P-Cell column is set to Y (1) or N (0) in the Supported 5G Carriers pane on the 5G Carriers of the LTE carriers tab of the Terminal Types dialog box.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
scellsupported	number(38)		Indicates whether the S-Cell column is set to Y (1) or N (0) in the Supported 5G Carriers pane on the 5G Carriers of the LTE carriers tab of the Terminal Types dialog box.
termtycarrierpk	number(38)	not null	<b>Primary Key</b> , storing a unique number.
termtypefk	number(38)	not null	Foreign key, identifying the type of terminal.

### Foreign Keys:

- FK1 (projectno + termtypefk) references the TERMTYPE table
- FK2 (projectno + carriertype) references the LOGNODETYPE table

## Table TERMTYCELLAY

This table shows the column list:

Name	DataType	Constraint	Description
cellaykey	integer	not null	<b>Primary key</b> , storing a unique number for each cell layer in the database.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
termtypekey	integer	not null	<b>Primary key</b> , storing a unique number for each terminal type in the project.

### Foreign Keys:

- FK1 (projectno + termtypekey) references the TERMTYPE table
- FK2 (projectno + cellaykey) references the CELLAY table

## Table TERMTYCLUTTER

This table shows the column list:

Name	DataType	Constraint	Description
code	varchar2(128)	not null	<b>Primary key</b> , storing a unique number for each clutter category defined in the Terminal Types dialog box.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
termtypekey	integer	not null	<b>Primary key</b> , storing a unique number for each terminal type defined in the Terminal Types dialog box.
weight	float(64)	not null	Stores the weighting or Erlang value given to each clutter category.

### Foreign Keys:

- FK1 (projectno + termtypekey) references the TERMTYPE table

## Table TERMTYPE

This table shows the column list:

Name	DataType	Constraint	Description
allcarriers_3g	number(38)	not null	Indicates whether the Automatic configuration of all active carriers option is selected (1) or not (0) on the UMTS Carriers tab in the Terminal Types dialog box.
allcarriers_5g	number(38)	not null	Indicates whether the Automatic configuration of all active carriers option is selected (1) or not (0) on the 5G Carriers tab in the Terminal Types dialog box.
allcarriers_lte	number(38)	not null	Indicates whether the Automatic configuration of all active carriers option is selected (1) or not (0) on the LTE Carriers tab in the Terminal Types dialog box.
allcarriers_wifi	number(38)	not null	Indicates whether the Automatic support for all carriers option is selected (1) or not (0) on the Wi-Fi Carriers tab in the Terminal Types dialog box.
antengain	float		The antenna gain (dBi) defined in the Terminal Types dialog box , on the Terminal Params tab (UMTS), WiMAX Params tab (WiMAX) or the RF Params tab (LTE).
antengain_5g	float	not null	The antenna gain (dBi) defined in the Terminal Types dialog box , on the 5G Params tab.
antenna_key	number(38)	not null	Stores a unique number, associating a particular antenna with the terminal type.
antenna_key_5g	number(38)	not null	Stores a unique number, associating a particular antenna with the terminal type.
beamwidth	float	not null	The horizontal beamwidth (degrees) defined in the Terminal Types dialog box, on the WiMAX Params (WiMAX) or Mobile WiMAX Params tab (Mobile WiMAX) or the RF Params tab (LTE).

Name	DataType	Constraint	Description
beamwidth_5g	float	not null	The horizontal beamwidth (degrees) defined in the Terminal Types dialog box, on the 5G Params tab.
beam_forming_active	number(38)	not null	Indicates whether the Enable option is selected (1) or not (0) in the Beamforming pane of the LTE Category tab in the Terminal Types dialog box.
beam_forming_active_5g	number(38)	not null	Indicates whether the Enable option is selected (1) or not (0) in the Beamforming pane of the 5G Category tab in the Terminal Types dialog box.
bodyloss	float		The body loss (dB) defined in the Terminal Types dialog box, on the UMTS Params tab (UMTS) and the LTE Params tab (LTE).
bodyloss_5g	float	not null	The body loss (dB) defined in the Terminal Types dialog box, on the 5G Params tab.
bpsk_p12_ul_5g	number(38)	not null	Indicates whether the Uplink Supports P1/2 BPSK option is selected (1) or not (0) on the 5G Category tab in the Terminal Types dialog box.
ccs1 up to ccs4	number(38)		Indicates whether Channel Coding Schemas 1-4 are supported (1) or not (0). This is defined on the Dual Tech tab in of the Terminal Types dialog box (GSM/UMTS only).
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
crs_rate_matching_5g	number(38)	not null	Indicates whether the Support CRS Rate Matching option is selected (1) or not (0) on the Multi Tech tab of the Terminal Types dialog box.
dc_maxcarriers_dl	number(38)	not null	The Max DL Carriers value defined in the Dual Connectivity pane on the Multi Tech tab in the Terminal Types dialog box.
dc_maxcarriers_ul	number(38)	not null	The Max UL Carriers value defined in the Dual Connectivity pane on the Multi Tech tab in the Terminal Types dialog box.
dc_maxpower	float	not null	The Max Tx Power (dBm) value defined in the Dual Connectivity pane on the Multi Tech tab in the Terminal Types dialog box.
dc_support_en	number(38)	not null	Indicates whether the EN-DC option is selected (1) or not (0). This is defined in the Dual Connectivity pane on the Multi Tech tab in the Terminal Types dialog box.
dc_support_lte	number(38)	not null	Indicates whether the LTE-DC option is selected (1) or not (0). This is defined in the Dual Connectivity pane on the Multi Tech tab in the Terminal Types dialog box.
dc_support_ne	number(38)	not null	Indicates whether the NE-DC option is selected (1) or not (0). This is defined in the Dual Connectivity pane on the Multi Tech tab in the Terminal Types dialog box.
dc_support_nr	number(38)	not null	Indicates whether the NR-DC option is selected (1) or not (0). This is defined in the Dual Connectivity pane on the Multi Tech tab in the Terminal Types dialog box.
dlchipeqfactor	double	not null	The Chip Equalisation Support Efficiency field (0 to 1) on the HSPA tab of the Terminal Types dialog box (UMTS only).

Name	DataType	Constraint	Description
dlintcanfactor	double	not null	The Interface Cancellation Support Efficiency field (0 to 1) on the HSPA tab of the Terminal Types dialog box (UMTS only).
dlmaxblocksize	double	not null	The Max. Supported Block Size on the HSPA tab of the Terminal Types dialog box (UMTS only).
dynamrange	float		The TX Dynamic Range (dB) defined in the Terminal Types dialog box, on the Terminal Params tab (UMTS) or the RF Params tab (LTE).
dynamrange_5g	float	not null	The TX Dynamic Range (dB) defined in the Terminal Types dialog box, on the 5G Params tab.
familyA up to familyC	number(38)		Indicates whether EGPRS link adaptation families A-C are supported (1) or not (0). This is defined on the Dual Tech tab in the Terminal Types dialog box (GSM/UMTS only).
fiveg_support	number(38)	not null	Indicates whether the 5G Support option on the Multi Tech tab of the Terminal Types dialog box is selected (1) or not (0).
has_cre_support	number(38)	not null	NOT USED.
has_cre_support_5g	number(38)	not null	NOT USED.
hscsdtimeslot-weightnt	number(38)		NOT USED.
hscsdtimeslot-weightt1 up to hscsdtimeslot-weightt4	number(38)		NOT USED.
hscsdtraf_perterm	float		NOT USED.
hscsdweightnt1 up to hscsdweightnt4	number(38)		NOT USED.
hscsdweightt1 to hscsdweightt8	number(38)		NOT USED
hsdpa_category	varchar2 (128)		
hsupa_category	varchar2 (128)		
idname	varchar2 (128)		Stores the name of the terminal type.
jointdefact	float		NOT USED.
lte_antengain	float		The Antenna Gain in dBi defined on the LTE Params tab of the Terminal Types dialog box.
lte_bodyloss	float		The Body Loss in dB defined on the LTE Params tab of the Terminal Types dialog box.
lte_dynamrange	float		The TX Dynamic Range in dB defined on the LTE Params tab of the Terminal Types dialog box.
lte_max_dl_carriers	number(38)	not null	The Max. Downlink Carriers defined on the LTE Carriers tab of the Terminal Types dialog box.

Name	DataType	Constraint	Description
lte_max_ul_carriers	number(38)	not null	The Max. Uplink Carriers defined on the LTE Carriers tab of the Terminal Types dialog box.
lte_noisefig	float		The Noise Figure in dBi defined on the LTE Params tab of the Terminal Types dialog box.
lte_reqrssrp	float		The Required RSRP in dBm defined on the LTE Params tab of the Terminal Types dialog box.
lte_support	number(38)		Indicates whether the LTE Support option on the Multi Tech tab of the Terminal Types dialog box is selected (1) or not (0).
masternamekey	number(38)		Stores the name of the master terminal type.
masterterminal	number(38)		Indicates whether the traffic association is master (0) or slave (1). This is specified on the General tab of the Terminal Types dialog box.
maxhsdpacodes	float	not null	The maximum number of HSDPA codes, defined on the HSDPA tab of the Terminal Types dialog box (UMTS only).
maxmobpower	float		The maximum power that the terminal type can emit (dBm), defined in the Terminal Types dialog box on the Terminal Params tab (CDMA2000, EV-DO and UMTS - Max Mobile Power) or the WiMAX Params tab (WiMAX - Max CPE Power).
maxtimeslot	number(38)		The maximum number of timeslots that the terminal type can use, defined in the Terminal Types dialog box on the GPRS/EGPRS tab (GPRS and EGPRS only).
max_blocksize_dl	number(38)	not null	The Max Supported Block Size for the downlink. This is defined on the LTE Category tab of the Terminal Types dialog box.
max_blocksize_dl_5g	number(38)	not null	The Max Supported Block Size for the downlink. This is defined on the 5G Category tab of the Terminal Types dialog box.
max_blocksize_ul	number(38)	not null	The Max Supported Block Size for the uplink. This is defined on the LTE Category tab of the Terminal Types dialog box.
max_blocksize_ul_5g	number(38)	not null	The Max Supported Block Size for the uplink. This is defined on the 5G Category tab of the Terminal Types dialog box.
max_dl_carriers_5g	number(38)	not null	The Max. Downlink Carriers defined on the 5G Carriers tab of the Terminal Types dialog box.
max_mod_scheme_dl	number(38)	not null	The Max Supported Modulation scheme on the downlink - 64QAM (1), 16QAM (2), QPSK (3) or BPSK (4). This is defined on the LTE Category tab of the Terminal Types dialog box.
max_mod_scheme_dl_5g	number(38)	not null	The Max Supported Modulation scheme on the downlink - 64QAM (1), 16QAM (2), QPSK (3) or BPSK (4). This is defined on the 5G Category tab of the Terminal Types dialog box.

Name	DataType	Constraint	Description
max_mod_scheme_ul	number(38)	not null	The Max Supported Modulation scheme on the uplink - 64QAM (1), 16QAM (2), QPSK (3) or BPSK (4).  This is defined on the LTE Category tab of the Terminal Types dialog box.
max_mod_scheme_ul_5g	number(38)	not null	The Max Supported Modulation scheme on the uplink - 64QAM (1), 16QAM (2), QPSK (3) or BPSK (4).  This is defined on the 5G Category tab of the Terminal Types dialog box.
max_tx_power	float	not null	The Max TX Power (dBm) for a terminal type.  This is defined on the LTE Params tab of the Terminal Types dialog box.
max_tx_power_5g	float	not null	The Max TX Power (dBm) for a terminal type.  This is defined on the 5G Params tab of the Terminal Types dialog box.
max_ul_carriers_5g	number(38)	not null	The Max. Uplink Carriers defined on the 5G Carriers tab of the Terminal Types dialog box.
mbhbrate	float		The mean busy hour capacity (in kb/s), defined in the Terminal Types dialog box on the GPRS/EGPRS tab (GPRS only).
mbsfn_enabled	number(38)	not null	Indicates whether the eMBMS option is selected (1) or not (0). Defined in the Terminal Types dialog box on the Multi Tech tab.
mbsfn_req_rsrp	float	not null	The Required eMBMS RSRP value (in dBm) defined in the Terminal Types dialog box on the LTE Parameters tab.
mbfsn_req_rsrq	float	not null	The Required eMBMS RSRQ value (in dB) defined in the Terminal Types dialog box on the LTE Parameters tab.
mbsfn_req_sinr	float	not null	The Required eMBMS RSSINR value (in dB) defined in the Terminal Types dialog box on the LTE Parameters tab.
mc_hspa_max_dl_carriers	number(38)		The maximum number of MC-HSPA downlink carriers defined on the HSPA tab of the Terminal Types dialog box for a UMTS cell in the Site Database.
mc_hspa_max_ul_carriers	number(38)		The maximum number of MC-HSPA uplink carriers defined on the HSPA tab of the Terminal Types dialog box for a UMTS cell in the Site Database.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
mu_mimo_dl	number(38)	not null	Indicates whether the MU-MIMO Downlink option has been selected (1) or not (0).  This is defined on the LTE Category tab of the Terminal Types dialog box for an LTE terminal type.
mu_mimo_dl_5g	number(38)	not null	Indicates whether the MU-MIMO Downlink option has been selected (1) or not (0).  This is defined on the 5G Category tab of the Terminal Types dialog box for a 5G terminal type.

Name	DataType	Constraint	Description
mu_mimo_ul	number(38)	not null	Indicates whether the MU-MIMO Uplink option has been selected (1) or not (0). This is defined on the LTE Category tab of the Terminal Types dialog box for an LTE terminal type.
mu_mimo_ul_5g	number(38)	not null	Indicates whether the MU-MIMO Uplink option has been selected (1) or not (0). This is defined on the 5G Category tab of the Terminal Types dialog box for a 5G terminal type.
noisefig	float		Noise Figure (dB), defined in the Terminal Types dialog box on the Terminal Params tab (EV-DO, UMTS or WCDMA2000) or the WiMAX Params tab (WiMAX).
noisefig_5g	float		Noise Figure (dB), defined in the Terminal Types dialog box on the 5G Params tab.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
powerstep	float		Quantisation step size for mobile transmit power (dB), defined in the Terminal Types dialog box on the (W)CDMA Params tab (UMTS only).
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
reqd_rsrq	float	not null	Required RSRQ (dB), defined in the Terminal Types dialog box on the LTE Params tab.
reqd_rsrq_5g	float	not null	Required RSRQ (dB), defined in the Terminal Types dialog box on the 5G Params tab.
reqd_sinr	float	not null	Required BCH/SCH SINR (dB), defined in the Terminal Types dialog box on the LTE Params tab.
reqd_sinr_5g	float	not null	Required BCH/SCH SINR (dB), defined in the Terminal Types dialog box on the 5G Params tab.
reqecio	float		Required Ec/Io (dB), defined in the Terminal Types dialog box on the UMTS Params tab.
reqhsscchecnt	double	not null	Required HS-SCCH Ec/Nt (dB), defined in the Terminal Types dialog box on the UMTS Params tab.
reqrscp	float	not null	Required RSCP (dB), defined in the Terminal Types dialog box on the UMTS Params tab.
reqrsrp_5g	float	not null	Required RSCP (dB), defined in the Terminal Types dialog box on the 5G Params tab.
reqsir	float	not null	Required Pilot SIR (dB), defined in the Terminal Types dialog box on the UMTS Params tab. - or - Required RSS (db), defined in the Terminal Types dialog box on the WiMAX Params tab.
rx_comb_gain	float	not null	The RX Miscellaneous Gains (dB), defined in the Terminal Types dialog box on the LTE Params tab.
rx_comb_gain_5g	float	not null	The RX Miscellaneous Gains (dB), defined in the Terminal Types dialog box on the 5G Params tab.

Name	DataType	Constraint	Description
subchannel	number(38)		<p>Indicates which sub-channel options have been selected for the terminal, defined in the Terminal Types dialog box on the WiMAX Params tab (Fixed WiMAX only).</p> <p>Each sub-channel is represented by a number as follows - No sub-channels selected = 0, 1/16 only = 8, 1/8 only = 4, 1/4 only = 2, 1/2 only = 1.</p> <p>If more than 1 sub-channel is selected, the parameter value will be a sum of the appropriate values above. For example, if all 4 sub-channels are selected, the value will be 15, if 1/2 and 1/8 are selected the value will be 5, and so on.</p>
supchipeqfactor	number(38)	not null	<p>Indicates whether the Chip Equalisation Support option is selected (1) or not (0).</p> <p>This is defined in the Terminal Types dialog box, on the HSPA tab (UMTS only).</p>
suphsdpa	number(38)	not null	<p>Indicates whether the Enable HSDPA option has been selected (1) or not (0).</p> <p>This is defined in the Terminal Types dialog box, on the HSPA tab (UMTS only).</p>
suphsupa	number(38)	not null	<p>Indicates whether the Enable HSUPA option is selected (1) or not (0).</p> <p>This is defined in the Terminal Types dialog box, on the HSPA tab (UMTS only).</p>
supintcanfactor	number(38)	not null	<p>Indicates whether the Interface Cancellation Support option is selected (1) or not (0).</p> <p>This is defined in the Terminal Types dialog box, on the HSPA tab (UMTS only).</p>
support2g	number(38)		NOT USED.
support3g	number(38)		NOT USED.
supul2mstti	number(38)	not null	<p>Indicates whether the 2ms TTI option is selected (1) or not (0).</p> <p>This is defined in the Terminal Types dialog box, on the HSPA tab (UMTS only).</p>
su_mimo_elem_cnt_dl	number(38)	not null	The number of RX Elements on the downlink for SU-MIMO, defined in the Terminal Types dialog box on the LTE Category tab.
su_mimo_elem_cnt_dl_5g	number(38)	not null	The number of RX Elements on the downlink for SU-MIMO, defined in the Terminal Types dialog box on the 5G Category tab.
su_mimo_elem_cnt_ul	number(38)	not null	The number of RX Elements on the uplink for SU-MIMO, defined in the Terminal Types dialog box on the LTE Category tab.
su_mimo_elem_cnt_ul_5g	number(38)	not null	The number of RX Elements on the uplink for SU-MIMO, defined in the Terminal Types dialog box on the 5G Category tab.
su_mimo_enable_dl	number(38)	not null	<p>Indicates whether the SU-MIMO Downlink option has been selected (1) or not (0).</p> <p>This is defined in the Terminal Types dialog box on the LTE Category tab.</p>

Name	DataType	Constraint	Description
su_mimo_enable_dl_5g	number(38)	not null	Indicates whether the SU-MIMO Downlink option has been selected (1) or not (0).  This is defined in the Terminal Types dialog box on the 5G Category tab.
su_mimo_enable_ul	number(38)	not null	Indicates whether the SU-MIMO Uplink option has been selected (1) or not (0).  This is defined in the Terminal Types dialog box on the LTE Category tab.
su_mimo_enable_ul_5g	number(38)	not null	Indicates whether the SU-MIMO Uplink option has been selected (1) or not (0).  This is defined in the Terminal Types dialog box on the 5G Category tab.
su_mimo_mode_dl	number(38)	not null	Indicates the SU-MIMO mode on the downlink - Diversity (1), Multiplexing (2) or Adaptive Switching (3).  This is defined in the Terminal Types dialog box on the LTE Category tab.
su_mimo_mode_dl_5g	number(38)	not null	Indicates the SU-MIMO mode on the downlink - Diversity (1), Multiplexing (2) or Adaptive Switching (3).  This is defined in the Terminal Types dialog box on the 5G Category tab.
su_mimo_mode_ul	number(38)	not null	Indicates the SU-MIMO mode on the uplink - Diversity (1), Multiplexing (2) or Adaptive Switching (3).  This is defined in the Terminal Types dialog box on the LTE Category tab.
su_mimo_mode_ul_5g	number(38)	not null	Indicates the SU-MIMO mode on the uplink - Diversity (1), Multiplexing (2) or Adaptive Switching (3).  This is defined in the Terminal Types dialog box on the 5G Category tab.
switching	number(38)		Specifies what technology the terminal type uses - Circuit switching (0), GPRS (1), EGPRS (4), CDMA2000 (6), EV-DO (7), GSM/UMTS (9), Fixed WiMAX (12), Mobile WiMAX TDD (13), Mobile WiMAX FDD (14) or LTE (15).
termtypekey	number(38)	not null	<b>Primary key</b> , storing a unique number for each terminal type in a database.
termweight	float		Indicates the clutter spread, either Density (0) or Weight (1).
term_category	number(38)	not null	Indicates the Terminal Category, defined in the Terminal Types dialog box, on the LTE Category tab.  This will be a number, representing categories 1 to 5 or 0 for Custom.
term_category_5g	number(38)	not null	Indicates the Terminal Category, defined in the Terminal Types dialog box, on the 5G Category tab.  This will be a number, representing categories 1 to 5 or 0 for Custom.
trafficscale	float		The traffic scaling % between master and slave terminals, defined on the General tab of the Terminal Types dialog box.

Name	DataType	Constraint	Description
twogmaxnum-timeslots	number(38)		The Maximum Number of Downlink Timeslots available, defined in the Terminal Types dialog box on the 2g RF Params tab (Joint GSM/UMTS only).
twognoisefigdb	float		The Noise Figure (dB), defined in the Terminal Types dialog box on the 2g RF Params tab (Joint GSM/UMTS only).
twogrecv-sensitivitydbm	float		The Receiver Sensitivity (dBm), defined in the Terminal Types dialog box on the 2g RF Params tab (Joint GSM/UMTS only).
twogsnrdb	float		The required BCCH CINR (dB), defined in the Terminal Types dialog box on the 2g RF Params tab (Joint GSM/UMTS only).
ulmaxcodes	number(38)	not null	The Max. HSUPA Codes, defined in the Terminal Types dialog box on the HSPA tab (UMTS only).
ulminsf supported	number(38)	not null	The Min. SF, defined in the Terminal Types dialog box on the HSPA tab (UMTS only).
ulmodsupported	number(38)	not null	Indicates whether the Support 4PAM option is selected (1) or not (0). This is defined in the Terminal Types dialog box on the HSPA tab (UMTS only).
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.
usevectordensity	number(38)		Indicates whether the Absolute (0) or Density (1) option has been selected.
useweights	number(38)		Indicates whether the terminal type uses a weight distribution based on an Erlang figure (1) or individual Erlang entries (0) for each clutter category.
weight	float		The weightings for the clutter categories available to each terminal type.
wifi_antenna_gain	float		The Wi-Fi Antenna Gain in dBi defined on the Wi-Fi Params tab in the Terminal Types dialog box for a UMTS terminal type.
wifi_body_loss	float		The Wi-Fi Body Loss in dB defined on the Wi-Fi Params tab in the Terminal Types dialog box for a UMTS terminal type.
wifi_max_mobile_power	float		NOT USED.
wifi_noise_figure	float		NOT USED.
wifi_req_signal_strength	float		The Wi-Fi Required Signal Strength in dBm defined on the Wi-Fi Params tab in the Terminal Types dialog box for a UMTS terminal type.
wifi_support	number(38)		Indicates whether Wi-Fi is supported (1) or not (0). Defined on the Multi Tech tab in the Terminal Types dialog box for a UMTS terminal type.
wifi_tx_dynamic_range	float		NOT USED.
wimaxmimorx	number(38)	not null	The number of RX Elements for MIMO Support defined in the Terminal Types dialog box on the Mobile WiMAX Params tab (Mobile WiMAX only).
wimaxmimotx	number(38)	not null	The number of TX Elements for MIMO defined in the Terminal Types dialog box on the Mobile WiMAX Params tab (Mobile WiMAX only).

Name	DataType	Constraint	Description
wimaxmod	number(38)	not null	<p>The modulation schemes supported on the terminal type, defined in the Terminal Types dialog box on the Mobile WiMAX Params tab (Mobile WiMAX only).</p> <p>Each modulation scheme is represented by a number as follows - No schemes selected = 0, QPSK only = 1, 16QAM only = 2, 64QAM only = 4.</p> <p>If more than 1 scheme is selected, the parameter value will be a sum of the appropriate values above. For example, if all 3 schemes are selected, the value will be 7, if QPSK and 16QAM are selected the value will be 3, and so on.</p>
wimaxmultiplex	number(38)	not null	NOT USED.
wimaxterm supportsetting	number(38)	not null	<p>Indicates whether the Beamforming support option has been selected (1) or not (0).</p> <p>This is defined in the Terminal Types dialog box on the Mobile WiMAX tab (Mobile WiMAX only).</p>

## Table TERMTYPEPOINT

This table shows the column list:

Name	DataType	Constraint	Description
code	varchar2(32)	not null	<b>Primary key</b> , storing a unique number for each point in the database. These are defined on the Vectors tab of the Terminal Types dialog box.
featid	integer	not null	<b>Primary key</b> , used in conjunction with the guidfield to describe the point.
guidfield	varchar2(48)	not null	<b>Primary key</b> , used in conjunction with the featid to describe the point.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
termtypekey	integer	not null	<b>Primary key</b> , storing a unique number for each terminal type defined in the Terminal Types dialog box.
weight	float(64)	not null	The weighting or Erlang value given to each point defined on the Vectors tab of the Terminal Types dialog box.

### Foreign Keys:

- FK1 (projectno + termtypekey) references the TERMTYPE table

## Table TERMTYPOLYGON

This table shows the column list:

Name	DataType	Constraint	Description
code	varchar2(32)	not null	<b>Primary key</b> , storing a unique number for each polygon in the database. These are defined on the Vectors tab of the Terminal Types dialog box.
featid	integer	not null	<b>Primary key</b> , used in conjunction with the guidfield to describe the polygon.
guidfield	varchar2(48)	not null	<b>Primary key</b> , used in conjunction with the featid to describe the polygon.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
termtypekey	integer	not null	<b>Primary key</b> , storing a unique number for each terminal type defined in the Terminal Types dialog box.
weight	float(64)	not null	The weighting or Erlang value given to each polygon defined on the Vectors tab of the Terminal Types dialog box.

### Foreign Keys:

- FK1 (projectno + termtypekey) references the TERMTYPE table

## Table TERMTYVECTOR

This table shows the column list:

Name	DataType	Constraint	Description
code	varchar2(32)	not null	<b>Primary key</b> , storing a unique number for each vector in the database. These are defined on the Vectors tab of the Terminal Types dialog box.
featid	integer	not null	<b>Primary key</b> , used in conjunction with the guidfield to describe the vector.
guidfield	varchar2(48)	not null	<b>Primary key</b> , used in conjunction with the featid to describe the vector.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
termtypekey	integer	not null	<b>Primary key</b> , storing a unique number for each terminal type defined in the Terminal Types dialog box.
weight	float(64)	not null	The weighting or Erlang value given to each vector defined on the Vectors tab of the Terminal Types dialog box.

### Foreign Keys:

- FK1 (projectno + termtypekey) references the TERMTYPE table

## Table TGBITRATE

This table shows the column list:

Name	DataType	Constraint	Description
activul	float		The Uplink (UL) CS Activity Factor (in %).
activdl	float		The Downlink (DL) CS Activity Factor (in %).
bandwidth	float (64)		The channel bandwidth (in MHz) defined in the WiMAX Bearers dialog box.
ber1	float		The FER for Eb/No -4 dB, defined on the Noise Services tab of the UMTS or CDMA2000 Bearers dialog box.
ber2	float		The FER for Eb/No -2 dB, defined on the Noise Services tab of the UMTS or CDMA2000 Bearers dialog box.
ber3	float		The FER for Eb/No 0 dB, defined on the Noise Services tab of the UMTS or CDMA2000 Bearers dialog box.
ber4	float		The FER for Eb/No 2 dB, defined on the Noise Services tab of the UMTS or CDMA2000 Bearers dialog box.
ber5	float		The FER for Eb/No 4 dB, defined on the Noise Services tab of the UMTS or CDMA2000 Bearers dialog box.
ber6	float		The FER for Eb/No 6 dB, defined on the Noise Services tab of the UMTS or CDMA2000 Bearers dialog box.
ber7	float		The FER for Eb/No 8 dB, defined on the Noise Services tab of the UMTS or CDMA2000 Bearers dialog box.
ber8	float		The FER for Eb/No 10 dB, defined on the Noise Services tab of the UMTS or CDMA2000 Bearers dialog box.
ber9	float		The FER for Eb/No 12 dB, defined on the Noise Services tab of the UMTS or CDMA2000 Bearers dialog box.
ber10	float		The FER for Eb/No 14 dB, defined on the Noise Services tab of the UMTS or CDMA2000 Bearers dialog box.
bitratekey	number(38)	not null	<b>Primary key</b> , storing a unique number for each bearer in the database.
bler1	float		Stores the block error rate Eb/No 0 set on the Services tab.
bler2	float		Stores the block error rate Eb/No 2 set on the Services tab.
bler3	float		Stores the block error rate Eb/No 4 set on the Services tab.
bler4	float		Stores the block error rate Eb/No 6 set on the Services tab.
bler5	float		Stores the block error rate Eb/No 8 set on the Services tab.
bler6	float		Stores the block error rate Eb/No 10 set on the Services tab.
bler7	float		Stores the block error rate Eb/No 12 set on the Services tab.
bler8	float		Stores the block error rate Eb/No 14 set on the Services tab.
bler9	float		Stores the block error rate Eb/No 16 set on the Services tab.
bler10	float		Stores the block error rate Eb/No 18 set on the Services tab.
blocksize	double	not null	Stores the block size defined on the Bearers tab of the UMTS FDD + HSPA Bearers dialog box for downlink only.
brdirection	number(38)		The Link Direction, either Uplink (0) or Downlink (1).
chiprate	number(38)		NOT USED.
cinr1	float	not null	The CINR offset for 0-3 Km/h defined on the CINR and Speed Delta tab of the WiMAX Mobile Bearers dialog box.

Name	DataType	Constraint	Description
cinr2	float	not null	The CINR offset for 50 Km/h defined on the CINR and Speed Delta tab of the WiMAX Mobile Bearers dialog box.
cinr3	float	not null	The CINR offset for >=120 Km/h defined on the CINR and Speed Delta tab of the WiMAX Mobile Bearers dialog box.
cinrdb	float	not null	The required CINR value in decibels defined on the CINR and Speed Delta tab of the WiMAX Mobile Bearers dialog box.
cinrwithmulti	float		As above but where Uplink Collaborative Multiplexing is enabled for a cell.
codingrate	float	not null	The coding rate defined on the bearers tab of the WiMAX Mobile Bearers dialog box.
codingscheme	varchar2(10)		NOT USED.
codingscheme-type	number(38)		The AMC scheme defined in the WiMAX Bearers dialog box.
color	number(38)		NOT USED.
cqiindex	number(38)	not null	In conjunction with cqitabindex, defines the dl bearers that are predetermined in the HSDPA CQI Table Editor for downlink only.
cqitabindex	number(38)	not null	In conjunction with cqiindex, defines the dl bearers that are predetermined in the HSDPA CQI Table Editor for downlink only.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
dataoffset	float	not null	The Data Offset (dB), defined on the General tab of the EV-DO Bearers dialog box.
dlai	number(38)		The Air Interface bitrate (bps) for the downlink, defined on the Bearers tab (for a UMTS bearer) or the General tab (for a CDMA2000 or EV-DO bearer) of the Bearers dialog box.
dlchans	float		The number of Channels on the downlink, defined on the Bearers tab of the UMTS Bearers dialog box.
dlctrlohead	float		The Control Overhead Factor (%) for the downlink, defined on the Bearers tab of the UMTS Bearers dialog box.
dlmimomode	number(38)	not null	The MIMO support settings defined on the bearers tab of the WiMAX Mobile Bearers dialog box.
dluser	number(38)		The User bitrate (bps) for the downlink, defined on the Bearers tab (for a UMTS bearer) or the General tab (for a CDMA2000 or EV-DO bearer) of the Bearers dialog box.
ebnодлак	float		Stores the Eb/No downlink acceptable.
ebнодлтг	float		Stores the Eb/No downlink target.
ebнouлак	float		Stores the Eb/No uplink acceptable.
ebнouлтг	float		Stores the Eb/No uplink target.
evdubits	float		Stores the Number of Bits, defined for a downlink bearer on the General tab of the EV-DO Bearers dialog box.
evdochipsperbit	float		Stores the Chips per Traffic Bits, defined for a downlink bearer on the General tab of the EV-DO Bearers dialog box.
evdoebnt_db_1	float		Stores the first-row PER (Packet Erasure Rate) value, defined for a downlink bearer on the Eb/Nt PER Mapping tab of the EV-DO Bearers dialog box.
evdoebnt_db_2	float		Stores the second-row PER (Packet Erasure Rate) value, defined for a downlink bearer on the Eb/Nt PER Mapping tab of the EV-DO Bearers dialog box.

Name	DataType	Constraint	Description
evdoebnt_db_3	float		Stores the third-row PER (Packet Erasure Rate) value, defined for a downlink bearer on the Eb/Nt PER Mapping tab of the EV-DO Bearers dialog box.
evdoebnt_db_4	float		Stores the fourth-row PER (Packet Erasure Rate) value, defined for a downlink bearer on the Eb/Nt PER Mapping tab of the EV-DO Bearers dialog box.
evdoebnt_db_5	float		Stores the fifth-row PER (Packet Erasure Rate) value, defined for a downlink bearer on the Eb/Nt PER Mapping tab of the EV-DO Bearers dialog box.
evdooverhead_bits	float		Stores the Number of Overhead Bits, defined for a downlink bearer on the General tab of the EV-DO Bearers dialog box.
evdoper_1	float		Stores the first-row Eb/Nt value, defined for a downlink bearer on the Eb/Nt PER Mapping tab of the EV-DO Bearers dialog box.
evdoper_2	float		Stores the second-row Eb/Nt value, defined for a downlink bearer on the Eb/Nt PER Mapping tab of the EV-DO Bearers dialog box.
evdoper_3	float		Stores the third-row Eb/Nt value, defined for a downlink bearer on the Eb/Nt PER Mapping tab of the EV-DO Bearers dialog box.
evdoper_4	float		Stores the fourth-row Eb/Nt value, defined for a downlink bearer on the Eb/Nt PER Mapping tab of the EV-DO Bearers dialog box.
evdoper_5	float		Stores the fifth-row Eb/Nt value, defined for a downlink bearer on the Eb/Nt PER Mapping tab of the EV-DO Bearers dialog box.
evdoreqiorioc_db	float		Stores the Ior/loc requirement, defined for a downlink bearer on the General tab of the EV-DO Bearers dialog box.
evdoslots	float		Stores the Number of Slots, defined for a downlink bearer on the General tab of the EV-DO Bearers dialog box.
grossdatarate	number(38)		NOT USED.
hsdparatefk	number(38)	not null	Stores a unique number, associating a particular HSDPA coding rate with a HSDPA bearer.
idname	varchar2 (128)	not null	The name of the bearer.
isdefault	number(38)		Stores a number indicating whether the items listed in the UMTS Services and LTE Bearers dialog boxes are default options (1) or not (0).
mbsfnenabled	number(38)		Indicates whether the eMBMS option has been selected (1) or not (0) for an LTE bearer on the Bearers tab of the LTE Bearers dialog box.
minamrfullrate_db	float		Stores full adapted multi rate GSM / UMTS technology values.
minamrhalfrate_db	float		Stores half adapted multi rate GSM / UMTS technology values.
minfullratedb	float		Stores CI full adapted multi rate GSM / UMTS technology values.
minhalfratedb	float		Stores CI half adapted multi rate GSM / UMTS technology values.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.

Name	DataType	Constraint	Description
modulation	number(38)	not null	The modulation scheme defined on the bearers tab of the WiMAX Mobile Bearers dialog box: QPSK (1), 16QAM (2), 64QAM (4).
nettype	number(38)		Indicates the network type: UMTS (0), CDMA2000 (1), EV-DO (2), GSM (4), GPRS (5), Fixed WiMAX (11), Mobile WiMAX (12) or LTE (13).
numcodes	number(38)		NOT USED.
numtimeslots	number(38)		NOT USED.
pccpchsirtarget	float		PCCPCH SIR Target (dB).
permission	number(38)		NOT USED.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rccodingtype	varchar2(32)		The Radio Configuration Coding type, either Convolutional or Turbo. This is defined on the General tab of the CDMA2000 Bearers dialog box.
rcdownlink	number(38)		The Radio Configuration for the downlink, defined on the General tab of the CDMA2000 Bearers dialog box.
rcframelen	number(38)		The Radio Configuration Frame Length, defined on the General tab of the CDMA2000 Bearers dialog box.
rcuplink	number(38)		The Radio Configuration for the uplink, defined on the General tab of the CDMA2000 Bearers dialog box.
repetition	number(38)	not null	The repetition rate defined on the bearers tab of the WiMAX Mobile Bearers dialog box.
reqecio	float		The Required DL Pilot Ec/Io, defined on the Eb/Nt Values tab of the EV-DO or CDMA2000 Bearers dialog box.
res0consump to res5consump	integer		The consumption for the different resource types, defined on the Bearers tab of the UMTS Bearers dialog box.
sfcodesindex	number(38)	not null	Indicates whether the SF Combo option is selected (1) or not (0) on the Bearers tab of the UMTS FDD + HSPA Bearers dialog box for uplink only.
spare1 to spare4	float		NOT USED.
subchannel	number(38)		The sub-channelisation defined in the WiMAX Bearers dialog box.
subchannel mode	number(38)	not null	The subchannel mode defined on the bearers tab of the WiMAX Mobile Bearers dialog box.
supportamr	number(38)		Indicates whether the Adapted Multi Rate option has been selected (1) or not (0) for a bearer on the Bearers tab of the GSM/EGPRS Bearers dialog box.
supporthalfrate	number(38)		Field stores 2G / 2.5G Bearers.
switchingtype	number(38)		NOT USED.
techtype	number(38)	not null	Indicates the technology type of the bearer, either UMTS (0) or HSDPA (1).
throughput-pertimeslot	number(38)		NOT USED
ttims	number(38)	not null	Indicates whether the TTI(ms) option is selected (1) or not (0) on the Bearers tab of the UMTS FDD + HSPA Bearers dialog box for uplink only.
txpow	float		The Max Tx Power (dBm), defined on the Downlink Gain tab of the UMTS Bearers dialog box.

Name	DataType	Constraint	Description
ulai	number(38)		The Air Interface bitrate (bps) for the uplink, defined on the Bearers tab (for a UMTS bearer) or the General tab (for a CDMA2000 or EV-DO bearer) of the Bearers dialog box.
ulchans	float		The number of Channels on the uplink, defined on the Bearers tab of the UMTS Bearers dialog box.
ulctrlohead	float		The Control Overhead Factor (%) for the uplink, defined on the Bearers tab of the UMTS Bearers dialog box.
uluser	number(38)		The User bitrate (bps) for the uplink, defined on the Bearers tab (for a UMTS bearer) or the General tab (for a CDMA2000 or EV-DO bearer) in the Bearers dialog box.
useaastables	number(38)	not null	Indicates whether the Use AAS Tables option is selected (1) or not (0) on the Eb/No & Speed Delta tab of the UMTS FDD + HSPA Bearers dialog box.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.
v0-v11	float		The table values for soft Mobile TX Power Gain, defined on the TXP Gain tab of the (UMTS or EV-DO) Bearers dialog box.
v12-v23	float		The table values for softer Mobile TX Power Gain, defined on the TXP Gain tab of the (UMTS or EV-DO) Bearers dialog box.
v24-v35	float		The table values for soft Average Power Rise Gain, defined on the PR Gain tab of the (UMTS or EV-DO) Bearers dialog box.
v36-v47	float		The table values for softer Average Power Rise Gain, defined on the PR Gain tab of the (UMTS or EV-DO) Bearers dialog box.
v48-v59	float		The table values for soft Power Control Headroom gain, defined on the PCH Gain tab of the UMTS Bearers dialog box.
v60-v71	float		The table values for softer Power Control Headroom gain, defined on the PCH Gain tab of the UMTS Bearers dialog box.
v72-v83	float		The table values for Downlink Eb/Io Target Reduction, defined on the Downlink Gain tab of the CDMA2000 Bearers dialog box.
v84-v86	float		The table values for Power Control Headroom, defined on the Power Control tab of the UMTS Bearers dialog box.
v87-v89	float		The table values for Average Power Rise, defined on the Power Control tab of the UMTS Bearers dialog box.
v90-v92	float		The table values for uplink Eb/No speed dependency, defined on the Eb/No and Speed Delta tab of the UMTS Bearers dialog box.
v93-v95	float		The table values for uplink Eb/No speed dependency with diversity, defined on the Eb/No and Speed Delta tab of the UMTS Bearers dialog box.
v96-v98	float		The table values for downlink Eb/No speed dependency, defined on the Eb/No and Speed Delta tab of the UMTS Bearers dialog box.
v99- v101	float		The table values for downlink Eb/No speed dependency with diversity, defined on the Eb/No and Speed Delta tab of the UMTS Bearers dialog box.

**Foreign Key:**

- FK1 (hsdparatefk + projectno) references the HSDPARATE table

## Table TGCARRIER

This table shows the column list:

Name	DataType	Constraint	Description
attenuation_dl	float		The Attenuation Downlink value in Mhz defined on the UMTS Carriers tab of the UMTS Carriers dialog box accessed under Carriers on the Configuration menu.
attenuation_ul	float		The Attenuation Uplink value in Mhz defined on the UMTS Carriers tab of the UMTS Carriers dialog box accessed under Carriers on the Configuration menu.
carrierkey	integer	not null	<b>Primary key</b> , storing a unique number for each UMTS carrier in the database.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
downlinkch	integer		The Downlink (DL) Channel Number, defined on the UMTS Carriers tab of the UMTS Carriers dialog box.
freq_hi_dl	float		The High Frequency Downlink value in Mhz defined on the UMTS Carriers tab of the UMTS Carriers dialog box accessed under Carriers on the Configuration menu.
freq_hi_ul	float		The High Frequency Uplink value in Mhz defined on the UMTS Carriers tab of the UMTS Carriers dialog box accessed under Carriers on the Configuration menu.
freq_lo_dl	float		The Low Frequency Downlink value in Mhz defined on the UMTS Carriers tab of the UMTS Carriers dialog box accessed under Carriers on the Configuration menu.
freq_lo_ul	float		The Low Frequency Uplink value in Mhz defined on the UMTS Carriers tab of the UMTS Carriers dialog box accessed under Carriers on the Configuration menu.
idname	varchar2(128)	not null	The name of the UMTS carrier.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		NOT USED.
priority	integer		Stores 3g carrier priorities.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
uplinkch	integer		The Uplink (UL) Channel Number, defined on the UMTS Carriers tab of the UMTS Carriers dialog box.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

## Table TGCARRIERADJ

This table shows the column list:

Name	DataType	Constraint	Description
carrier	integer		The adjacent carrier (in dB) defined in the WiMAX Carriers dialog box.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
dlatt	float		The downlink attenuation (in dB) defined in the WiMAX Carriers dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rowindex	integer	not null	<b>Primary key</b> , storing the adjacency index number, between 0 and 30 inclusive.
tgcarrierfk	integer	not null	<b>Primary key</b> , storing a unique number for each WiMAX carrier in the database.
ulatt	float		The uplink attenuation (in dB) defined in the WiMAX Carriers dialog box.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

### Foreign Key:

- FK1 (projectno + tgcarrierfk) references the TGCARRIER table

## Table TGCLUTTERLOSSSCHEMA

This table shows the column list:

Name	DataType	Constraint	Description
clutterlosspk	number(38)	Not null	<b>Primary key</b> , storing a unique identifier.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	Not null	Stores a number indicating the last user who made changes to the table.

Name	DataType	Constraint	Description
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	Not null	<b>Primary key</b> , storing a unique number for each project in a database.
schemaname	varchar2(128)		The schema name listed in the Schema Name column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
technology	number(38)		A number identifying the technology listed in the Technology column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab. Values are: LTE 8192, GSM 16, WiFi 32768, UMTS 257, Fixed Wimax 512, Mobile Wimax 2048, CDMA2000 14.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table TGCLUTTERPARAMS

This table shows the column list:

Name	DataType	Constraint	Description
angularspread	float		For a selected LTE schema, the value defined in the Angular Spread column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
cluttername	varchar2(128)		For a selected schema, the name shown in the Clutter Type column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
dlmumimmosinr offset	float		For a selected LTE schema, the value defined in the DL MU-MIMO SINR Offset (dB) column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
dlsdebnoadj	float		For a selected UMTS schema, the value defined in the DL SD Eb/No Adj column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
dlsdsinradj	float		For a selected LTE schema, the value defined in the DL SD SINR Adj column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
dlsmebnoadj	float		For a selected UMTS schema, the value defined in the DL SM Eb/No Adj (dB) column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.

Name	DataType	Constraint	Description
dlsmrategain	float		For a selected LTE or UMTS schema, the value defined in the DL SM Rate Gain Adj column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
dlsmsinroffset	float		For a selected LTE schema, the value defined in the DL SM SINR Offset (dB) column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
fadeind	float		For a selected schema, the value defined in the Fading Indoor Std Dev (dB) column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
fadeout	float		For a selected schema, the value defined in the Fading Outdoor Std Dev (dB) column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
modifyuser	number(38)	Not null	Stores a number indicating the last user who made changes to the table.
orthloss	float		For a selected UMTS or CDMA schema, the value defined in the Orthogonality column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
paramskey	number(38)		<b>Primary key</b> , storing a unique number identifying the clutter parameter.
projectno	number(38)	Not null	<b>Primary key</b> , storing a unique number for each project in a database.
schemakey	number(38)	Not null	<b>Primary key</b> , storing a unique identifier for a schema listed in the Schema Name column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
ulmumimosinr offset	float		For a selected LTE schema, the value defined in the UL MU-MIMO SINR Offset (dB) column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
ulsdebnoadj	float		For a selected UMTS schema, the value defined in the UL SD Eb/No Adj column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
ulsdsinradj	float		For a selected LTE schema, the value defined in the UL SD SINR Adj column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
ulsmrategain	float		For a selected LTE schema, the value defined in the UL SM Rate Gain Adj column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.

Name	DataType	Constraint	Description
ulsmsinroffset	float		For a selected LTE schema, the value defined in the UL SM SINR Offset (dB) column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.

**Foreign Keys:**

- FK1 (schemakey + projectno) references the TGCLUTTERPARAMSSCHEMA table

**Table TGCLUTTERPARAMSSCHEMA**

This table shows the column list:

Name	DataType	Constraint	Description
clutterparamspk	number(38)	Not null	<b>Primary key</b> , storing a unique identifier.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	Not null	Stores a number indicating the last user who made changes to the table.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	Not null	<b>Primary key</b> , storing a unique number for each project in a database.
schemaname	varchar2(128)		The schema name listed in the Schema Name column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab.
technology	number(38)		A number identifying the technology listed in the Technology column of the Clutter Parameters dialog box opened by selecting Parameters under Clutter Parameters from the Configuration menu on the ASSET tab. Values are: LTE 8192, GSM 16, WiFi 32768, UMTS 257, Fixed Wimax 512, Mobile Wimax 2048, CDMA2000 14.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table TGINDOORCLUTTERLOSS

This table shows the column list:

Name	DataType	Constraint	Description
cluttername	varchar2(128)	Not null	The name shown in the Clutter Type column of the Clutter Losses dialog box opened by selecting Indoor Loss under Clutter Parameters from the Configuration menu on the ASSET tab.
indloss	float		The value (in dB) shown in the Indoor Loss column of the Clutter Losses dialog box opened by selecting Indoor Loss under Clutter Parameters from the Configuration menu on the ASSET tab.
losskey	number(38)	Not null	<b>Primary key</b> , storing a unique identifier.
modifyuser	number(38)	Not null	Stores a number indicating the last user who made changes to the table.
projectno	number(38)	Not null	<b>Primary key</b> , storing a unique number for each project in a database.
schemakey	number(38)	Not null	<b>Primary key</b> , storing a unique identifier for a schema listed in the Schema Name column of the Clutter Losses dialog box opened by selecting Indoor Loss under Clutter Parameters from the Configuration menu on the ASSET tab.

### Foreign Keys:

- FK1 (schemakey + projectno) references the TGCLUTTERLOSSSCHEMA table

## Table TGRESTYPE

This table shows the column list:

Name	Data Type	Constraint	Description
airinterface	number(38)		Indicates whether the Air Interface option on the UMTS Resources dialog box has been selected (1) or not (0).
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(128)		The name of the resource, defined in the UMTS Resources dialog box.
ishsdpa	integer	not null	Indicates whether the HSDPA Resource option on the UMTS Resources dialog box has been selected (1) or not (0).
modifydate	date		The date when the object was last modified.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.

Name	Data Type	Constraint	Description
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
resourcekey	number(38)	not null	<b>Primary key</b> , storing a unique number for each resource in a database.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table TGSERVBIT

This table shows the column list:

Name	DataType	Constraint	Description
bitratekey	number(38)	not null	<b>Primary key</b> , which references a bitrate type in the TGBITRATE table.
carrier	number(38)	not null	The carrier identified on a Bearers tab for a service.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
priority	number(38)	not null	The carrier priority specified on a Bearers tab for a service.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
pwract	float	not null	The Power Activity (%) of a bearer, given on the UMTS DL Bearers tab for a Service.
resact	float	not null	The Resource Activity (%) of a bearer, given on the UMTS DL Bearers tab for a Service.
servicekey	integer	not null	<b>Primary key</b> , which references a service type in the TGSERVICE table.
tptact	float	not null	The Throughput Activity (%) of a bearer, which is calculated based on the power activity. This is used when the Override Packet Model Activity option is selected.
weight	float		The weight of this association between service and bitrate.

## Table TGSERVICE

This table shows the column list:

Name	DataType	Constraint	Description
alpha	float		NOT USED.
bearer_selection_mode	number(38)	not null	The bearer selection method (Peak Data Rate (0), Effective Data Rate (1) or Bearer Index (2)) defined in the Bearer Selection Method pane of the LTE Params tab of the Multi-Tech Services dialog box.

Name	DataType	Constraint	Description
bearer_selection_mode5g	number(38)	not null	The bearer selection method (Peak Data Rate (0), Effective Data Rate (1) or Bearer Index (2)) defined in the Bearer Selection Method pane of the 5G Params tab of the Multi-Tech Services dialog box.
blerdl	float		The Block Error Rate (BLER) Working Point for the downlink, defined on the Packet Switched tab of the Multi-Tech Services, CDMA2000 Service Types or the EV-DO Service Types dialog box.
blerul	float		The Block Error Rate (BLER) Working Point for the uplink, defined on the Packet Switched tab of the Multi-Tech Services, CDMA2000 Service Types or the EV-DO Service Types dialog box.
bwallocationmodeul	number(38)	not null	The Bandwidth Allocation mode (Use Min RBs (0), Use All RBs (1) or Maintain Connection (2)) defined on the LTE UL Bearers tab of the Multi-Tech Services dialog box.
bwallocationmodeul5g	number(38)		The Bandwidth Allocation mode (Use Min RBs (0), Use All RBs (1) or Maintain Connection (2)) defined on the 5G UL Bearers tab of the Multi-Tech Services dialog box.
carriers	number(38)		Stores the number of each carrier defined on the service.
carriers5g	number(38)		The first 32 bits of storage belonging to a number identifying a 5g carrier defined on the service.
carriers5g_1 to carriers5g_7	number(38)		Further allocations of storage identifying 5g carriers defined on the service.
carriersLTE	number(38)		The first 32 bits of storage belonging to a number identifying an LTE carrier defined on the service.
carriersLTE_1 to carriersLTE_7	number(38)		Further allocations of storage identifying LTE carriers defined on the service.
carriersUMTS	number(38)		Stores the number of each UMTS carrier defined on the service.
carriersWiFi	number(38)		Stores the number of each WIFI carrier defined on the service.
cirpack	number(38)		Indicates whether the service is circuit (1) or packet switched (0). This is defined on the General tab of the GSM/EGPRS/UMTS/Wi-Fi Services or CDMA2000 Service Types dialog box.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
csactdl	float		The Circuit Switched (CS) Activity Factor (in %) on the downlink, defined on the General tab of the UMTS Service and CDMA2000 Service Types dialog boxes.
csactul	float		The Circuit Switched (CS) Activity Factor (in %) on the uplink, defined on the General tab of the UMTS Service and CDMA2000 Service Types dialog boxes.
delay	float		The Delay (msec), defined on the LTE Params tab of the Multi-Tech Services dialog box.
delay5g	float		The Delay (msec), defined on the 5G Params tab of the Multi-Tech Services dialog box.
dlgsmsservicerate	float	not null	The Service Rate in bps defined on the GSM DL Bearers tab of the GSM Services dialog box.

Name	DataType	Constraint	Description
dlmindatarate	double	not null	Stores the value in the Minimum Supported Data Rate (bps) field on the UMTS DL Bearers tab of the UMTS Services dialog box.
dlservicerate	float	not null	The downlink service rate (in bits per second) defined on the Downlink Bearers Tab in the WiMAX Mobile Services dialog box.
dlusrbtr	float		The downlink user bitrate (in bps) defined on the Params tab of the WiMAX Services dialog box.
gtbitratedl	float		The Min-GBR (kbps) defined in the Service Rate pane of the LTE DL Bearers tab of the Multi-Tech Services dialogue box.
gtibitrate dl5g	float		The Min-GBR (kbps) defined in the Service Rate pane of the 5G DL Bearers tab of the Multi-Tech Services dialogue box.
gtbitrateul	float		The Min-GBR (kbps) defined in the Service Rate pane of the LTE UL Bearers tab of the Multi-Tech Services dialogue box.
gtibitrate ul5g	float		The Min-GBR (kbps) defined in the Service Rate pane of the 5G UL Bearers tab of the Multi-Tech Services dialogue box.
idname	varchar2(128)	not null	The Service Name.
ignorpri	number(38)		Indicates whether the Ignore Priorities option has been selected (1) or not (0). This is set on the Carriers tab of the CDMA2000 Service Types and EV-DO Service Types dialog boxes.
intpktarrrtimdl	float		The Inter-packet arrival time (in seconds) on the downlink, defined on the Packet Switched tab of the Services dialog box.
intpktarrrtimul	float		The Inter-packet arrival time (in seconds) on the uplink, defined on the Packet Switched tab of the Services dialog box.
isdefault	number(38)		For projects created in ENTERPRISE 10.0, stores a number indicating whether the items listed in the UMTS Services and LTE Bearers dialog boxes are default options (1) or not (0).
isrealtime	number(38)		Indicates whether the Real Time (0) or Non Real Time (1) option is selected in the Traffic Characteristics pane of the General tab of the EV-DO Service Types dialogue box.
isrealtime5g	number(38)		Indicates whether the Real Time (0) or Non Real Time (1) is selected in the Traffic Type drop-down of the QCI Characteristics pane on the 5G Params tab of the Multi-Tech Services dialogue box.
k	float		Future quality of service parameters.
loadbalancing	number(38)	not null	Indicates whether the Enable Load Balancing option is selected (1) or not (0). Defined on the Carriers/Cell Layers tab of the GSM/EGPRS/UMTS Services dialog box.

Name	DataType	Constraint	Description
ltetrafficcls	number(38)		The Traffic Class defined on the LTE General tab of the GSM/EGPRS/UMTS Services dialog box. 0 = Conversational Voice 1 = Conversational Video 2 = Real Time Gaming 3 = Non-Conversational Video 4 = IMS Signalling 5 = Buffered Streaming 6 = Live Streaming 7 = Background
m	float		Future quality of service parameters.
macpoweroffset	float	not null	NOT USED.
maxnumretransdl	number(38)		The maximum number of times a service will try and retransmit before it times out (ARQ Max # Retransmission), defined on the Packet Switched tab of the Services dialog box.
mbsfnenabled	number(38)		Indicates whether the eMBMS option is selected (1) or not (0) on the Carriers/Cell Layers tab of the GSM/UMTS/LTE Services dialog box.
mbsfnoverhead	float		If the eMBMS option is selected on the Carriers/Cell Layers tab of the GSM/UMTS/LTE Services dialog box, defines the Overhead percentage on the LTE eMBMS tab.
mbsfnrate	float		If the eMBMS option is selected on the Carriers/Cell Layers tab of the GSM/UMTS/LTE Services dialog box, defines the Service Rate (in kbps) on the LTE eMBMS tab.
mnbndl	number(38)		The Min-GBR (kbps) defined in the Service Rate pane of the LTE DL Bearers tab of the Multi-Tech Services dialogue box.
mnbtl	number(38)		Mean uplink bit rate.
mncalldl	number(38)		The Mean # packet calls/session on the downlink, defined on the Packet Switched tab of the Services dialog box.
mncallul	number(38)		The Mean # packet calls/session on the uplink, defined on the Packet Switched tab of the Services dialog box.
mnpktardl	float		Mean packet inter arrival time on the downlink.
mnpktarul	float		Mean packet inter arrival time on the uplink.
mnpktcldl	number(38)		Mean # of packets in a call on the downlink, defined on the Packet Switched tab of the Services dialog box.
mnpktclul	number(38)		Mean # of packets in a call on the uplink, defined on the Packet Switched tab of the Services dialog box.
mnpktszdl	number(38)		Mean packet size (in bytes) on the downlink, defined on the Packet Switched tab of the Services dialog box.
mnpktszul	number(38)		Mean packet size (in bytes) on the uplink, defined on the Packet Switched tab of the Services dialog box.
mnreaddl	float		Reading time between calls (in seconds) on the downlink, defined on the Packet Switched tab of the Services dialog box.
mnreadul	float		Mean ready time between calls (in seconds) on the uplink, defined on the Packet Switched tab of the Services dialog box.
mnstodl	float		Mean downlink session timeout.
modifydate	date		The date when the object was last modified.

Name	DataType	Constraint	Description
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
mxbitratedl	float		The Max-MBR (kbps) defined in the Service Rate pane of the LTE DL Bearers tab of the Multi-Tech Services dialogue box.
mxbitratedl5g	float		The Max-MBR (kbps) defined in the Service Rate pane of the 5G DL Bearers tab of the Multi-Tech Services dialogue box.
mxbitrateul	float		The Max-MBR (kbps) defined in the Service Rate pane of the LTE UL Bearers tab of the Multi-Tech Services dialogue box.
mxbitrateul5g	float		The Max-MBR (kbps) defined in the Service Rate pane of the 5G UL Bearers tab of the Multi-Tech Services dialogue box.
nettype	number(38)		The network type - GSM/EGPRS/UMTS (0), CDMA2000 (1), EV-DO (2), Fixed WiMAX (6), Mobile WiMAX (7), LTE (8).
overhead_rt_dl_percent	float		Stores the Downlink Overhead, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
overhead_rt_dl_percent5g	float		Stores the Downlink Overhead, defined on the 5G DL Bearers tab of the 5G Services dialog box.
overhead_rt_ul_percent	float		Stores the Uplink Overhead, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
overhead_rt_ul_percent5g	float		Stores the Uplink Overhead, defined on the 5G DL Bearers tab of the Multi-Tech Services dialog box.
overrideact	number(38)	not null	Indicates whether the Override Packet Model Activity option has been selected (1) or not (0). This is set on the UMTS DL Bearers tab of the Service dialog box.
peakrate_rt_dl_bps	float		Stores the Downlink Peak Rate, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
peakrate_rt_ul_bps	float		Stores the Uplink Peak Rate, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
pelr	number(38)		The PELR, defined on the LTE Params tab of the Multi-Tech Services dialog box.
pelr5g	number(38)		The PELR, defined on the 5G Params tab of the Multi-Tech Services dialog box.
permission	number(38)		NOT USED.
pkt_rt_dl_eighth_bytes	float		Stores the Uplink Eighth Packet Size, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
pkt_rt_dl_full_bytes	float		Stores the Downlink Full Packet Size, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
pkt_rt_dl_half_bytes	float		Stores the Downlink Half Packet Size, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
pkt_rt_dl_qtr_bytes	float		Stores the Downlink Quarter Packet Size, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
pkt_rt_ul_eighth_bytes	float		Stores the Uplink Eighth Packet Size, defined on the Real Time Params tab of the EV-DO Service Types dialog box.

Name	DataType	Constraint	Description
pkt_rt_ul_full_bytes	float		Stores the Downlink Full Packet Size, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
pkt_rt_ul_half_bytes	float		Stores the Uplink Half Packet Size, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
pkt_rt_ul_qtr_bytes	float		Stores the Uplink Quarter Packet Size, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
precedenceclass	number(38)		The Precedence Class - Premium (1), Standard (2) or Best Effort (3). This is defined on the Packet Switched tab of the Services dialog box.
pricstraf	number(38)		Indicates whether circuit-switched traffic is prioritised (1) or not (0).
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
qci	number(38)		The QCI, defined on the LTE Params tab of the Multi-Tech Services dialog box.
qci5g	number(38)		The QCI, defined on the 5G Params tab of the Multi-Tech Services dialog box.
rateprob_rt_dl_eighth	float		Stores the Downlink Eighth Rate Probability, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
rateprob_rt_dl_full	float		Stores the Downlink Full Rate Probability, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
rateprob_rt_dl_half	float		Stores the Downlink Half Rate Probability, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
rateprob_rt_dl_qtr	float		Stores the Downlink Quarter Rate Probability, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
rateprob_rt_ul_eighth	float		Stores the Uplink Eighth Rate Probability, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
rateprob_rt_ul_full	float		Stores the Uplink Full Rate Probability, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
rateprob_rt_ul_half	float		Stores the Uplink Half Rate Probability, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
rateprob_rt_ul_qtr	float		Stores the Uplink Quarter Rate Probability, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
rc0dlcheck to rc9dlcheck	number(38)		Indicates whether the downlink RCs0-9 have been selected (1) on the RC Priorities tab (for a CDMA2000 Service Type) or not (0).
rc0dlpriority to rc9dlpriority	number(38)		Indicates the downlink priority number for RCs0-9.
require_licensed_ltecarrier5g	number(38)		Indicates whether a Licensed LTE Carrier is required (1) or not (0) in the Licensing Options pane of the 5G Params tab of the Multi-Tech Services dialogue box.
require_licensed_ltecarrier	number(38)	not null	Indicates whether a Licensed LTE Carrier is required (1) or not (0) in the Licensing Options pane of the LTE Params tab of the Multi-Tech Services dialogue box.

Name	DataType	Constraint	Description
retransdl	float		Retransmission rate on the downlink.
retransul	float		Retransmission rate on the uplink.
revenue	float		The ARPU, defined on the General tab for a service.
servicekey	number(38)	not null	<b>Primary key</b> , storing a unique number for each service in the database.
servicepriority	number(38)	not null	Indicates the service priority on a Mobile WiMAX service.
sessiontime_rt_dl	float		Stores the Downlink Session Time, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
sessiontime_rt_ul	float		Stores the Uplink Session Time, defined on the Real Time Params tab of the EV-DO Service Types dialog box.
todl	float		Data field representing timeout on the downlink.
toul	number(38)		Data field representing timeout on the uplink.
trafficcls	number(38)		The Traffic Class for packet-switched traffic, defined on the GSM/UMTS Packet Switched tab of the Multi-Tech Services dialog box.
trafficcls5g	number(38)		The Traffic Class for packet-switched traffic, defined on the 5G Params tab of the Multi-Tech Services dialog box. Conversational Voice (0), Conversational Video (1), Real Time Gaming (2), Non-Conversational Video (3), IMS Signalling (4), Buffered Streaming (5), Live Streaming (6), Background (7).
ttibundlingdl enabled	number(38)		Indicates whether the TTI Bundling DL option is selected (1) or not (0). Defined on the LTE Params tab of the Multi-Tech Services dialog box.
ttibundlingdl enabled5g	number(38)		Indicates whether the TTI Bundling DL option is selected (1) or not (0). Defined on the 5G Params tab of the Multi-Tech Services dialog box.
ttibundlingdlnrgain	float		The downlink gain in dB defined in the Gain field for the UL option in the TTI Bundling pane of the LTE Params tab of the Multi-Tech Services dialog box.
ttibundlingdlnrgain5g	float		The downlink gain in dB defined in the Gain field for the UL option in the TTI Bundling pane of the 5G Params tab of the Multi-Tech Services dialog box.
ttibundlingdl overhead	float		The downlink overhead percentage defined in the Rate Overhead field for the DL option in the TTI Bundling pane of the LTE Params tab of the Multi-Tech Services dialog box.
ttibundlingdl overhead5g	float		The downlink overhead percentage defined in the Rate Overhead field for the DL option in the TTI Bundling pane of the 5G Params tab of the Multi-Tech Services dialog box.
ttibundlingul enabled	number(38)		Indicates whether the TTI Bundling UL option is selected (1) or not (0). Defined on the LTE Params tab of the Multi-Tech Services dialog box.
ttibundlingul enabled5g	number(38)		Indicates whether the TTI Bundling UL option is selected (1) or not (0). Defined on the 5G Params tab of the Multi-Tech Services dialog box.
ttibundlingulgain	float		The uplink gain in dB defined in the Gain field for the UL option in the TTI Bundling pane of the LTE Params tab of the Multi-Tech Services dialog box.

Name	DataType	Constraint	Description
ttibundlingulgain5g	float		The uplink gain in dB defined in the Gain field for the UL option in the TTI Bundling pane of the 5G Params tab of the Multi-Tech Services dialog box.
ttibundlingul_overhead	float		The uplink overhead percentage defined in the Rate Overhead field for the UL option in the TTI Bundling pane of the LTE Params tab of the Multi-Tech Services dialog box.
ttibundlingul_overhead5g	float		The uplink overhead percentage defined in the Rate Overhead field for the UL option in the TTI Bundling pane of the 5G Params tab of the Multi-Tech Services dialog box.
ulservicerate	float	not null	The uplink service rate (in bits per second) defined on the Uplink Bearers Tab in the WiMAX Mobile Services dialog box.
ulusrbtr	float		The uplink user bitrate (in bps) defined on the Params tab of the WiMAX Services dialog box.
usecqitable	number(38)	not null	Indicates whether the Use CQI Tables option is selected (1) or not (0) on the UMTS DL Bearers tab of the UMTS Services dialog box.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.
usesoftho	number(38)		Indicates whether the Support Soft Handoff option has been selected (1) or not (0). This is defined on the General tab on the GSM + EGPRS + UMTS + CDMA Service Types dialog box.
usesuppho	number(38)		NOT USED.
wifi_dl_svc_rate	float		The downlink service rate (in kbps) defined on the Wi-Fi Params Tab in the UMTS Services dialog box.
wifi_support	number(38)		Indicates whether Wi-Fi is supported (1) or not (0). Defined by the Support Wi-Fi option on the Wi-Fi Params Tab in the UMTS Services dialog box.
wifi_ul_svc_rate	float		The uplink service rate (in kbps) defined on the Wi-Fi Params Tab in the UMTS Services dialog box.

## Table TGSERVICEMBSFN

This table shows the column list:

Name	DataType	Constraint	Description
ltecarrierfk	number(38)	not null	Foreign key.
ltecarriermbsfnfk	number(38)	not null	Foreign key referencing the LTECARRIERMBSFN table.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
priority	number(38)	not null	Indicates the sort order of an MBSFN Area ID on the LTE eMBMB tab of the GSM/UMTS/LTE Services dialog box accessed from the Configuration menu.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
servicefk	number(38)	not null	Foreign key referencing the TGSERVICE table.
servicembsfnpk	number(38)	not null	<b>Primary key</b> , storing a unique identifier.

**Foreign Keys:**

- FK1 (projectno + servicefk) references the TGSERVICE table
- FK2 (projectno + ltecarriermbsfnfk) references the LTECARRIERMBSFN table

**Table TGSHOG**

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		NOT USED.
createuser	integer		NOT USED.
modifydate	date		NOT USED.
modifyuser	integer	not null	NOT USED.
permission	integer		NOT USED.
projectno	integer	not null	NOT USED.
shogkey	integer	not null	NOT USED.
usergroup	integer		NOT USED.
v1	float		NOT USED.
... (and so on up to )			
v24	float		NOT USED.

**Table TGTERMSERV**

This table shows the column list:

Name	DataType	Constraint	Description
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
priority	integer		The priority of each 3g service in the service/terminal type relationship.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
servicekey	integer	not null	<b>Primary key</b> , storing a unique number for each 3g service in the database.
termtypekey	integer	not null	<b>Primary key</b> , storing a unique number associating a particular terminal type with the 3g service.

**Table TIMESLOTMAP**

This table shows the column list:

Name	DataType	Constraint	Description
comments	varchar2(255)		Stores the optional description that can be added to each timeslot map.
endaequip	varchar2(255)		Stores information on the equipment at linkend A.

Name	DataType	Constraint	Description
endbequip	varchar2(255)		Stores information on the equipment at linkend B.
interconkey	integer	not null	Indicates the link(s) associated with each timeslot map.
name	varchar2(32)		Stores the name of each timeslot map in the database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
timeslotmapkey	integer	not null	<b>Primary key</b> to uniquely identify each of the timeslot maps created within each of the projects.
ts0 to ts31	varchar2(255)		Indicates whether timeslots 0-31 are divided into 4 x 16kbps or remain as 64kbps. Also stores any textual information added to the slots.

## Table UMTSCODE

This table shows the column list:

Name	DataType	Constraint	Description
code	number(38)	not null	<b>Primary key</b> , storing a unique number for each code in the code group.
codegroup	number(38)	not null	<b>Primary key</b> , storing a unique number for each code group in a UMTS Scrambling Code Schema.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
key	number(38)	not null	<b>Primary key</b> storing a unique value for the UMTS code.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
networktype	number(38)	not null	Stores a number indicating the network sub-type: UMTS FDD(1), WIMAX(512), Mob WIMAX(2048).
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
schemakey	number(38)	not null	<b>Primary key</b> , storing a unique number associating the code with a particular UMTS scrambling code schema.
schemaname	varchar2(128)	not null	The Schema Name, defined in the Scrambling Code Schemas dialog box.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table UMTSCODESCHEMA

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(128)	not null	<b>Primary key.</b> The Schema Name, defined in the UMTS Scrambling Code Schema dialog box.
key	number(38)	not null	<b>Primary key</b> which uniquely identifies the UMTS code schema.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
networktype	number(38)	not null	Stores a number indicating the network sub-type: UMTS FDD(1), WIMAX(512), Mob WIMAX(2048).
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table VECATTR

This table shows the column list:

Name	DataType	Constraint	Description
attrid	integer	not null	<b>Primary key</b> , storing a unique number for each vector attribute in the database.
dataname	varchar2(32)		The name of the attribute.
datatype	integer		Indicates the type of attribute, either number (0) or double (1).
fileid	integer		The name of the vector file.
floatvalue	float		A float value for attribute, based on the attribute type.
intvale	integer		A number value for attribute, based on the attribute type.
segid	integer	not null	<b>Primary key</b> . Unique Segment identity within the vector.
stringvalue	varchar2(32)		A string value for attribute, based on the attribute type.
stringangle	integer		Angle at which attribute string should be printed on screen.
vecid	integer	not null	<b>Primary key</b> , storing a unique number for each vector in the database.

## Table VECBOUNDS

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
ispolygon	integer		Indicates whether the object is a vector (0) or a polygon (1).
modifydate	date		The date when the object was last modified.
modifyuser	integer		Stores a number indicating the last user who made changes to the table.
parentid	integer		Indicates the parent vector layer for each vector.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
vecid	integer	not null	<b>Primary key</b> , storing a unique number for each vector in the database.
vecname	varchar2(32)	not null	Stores the name of each vector in the database.
vectype	integer		Indicates whether the vector is a system (0), user (1) or building vector (2).
xmax	integer		The maximum vertical extent.
xmin	integer		The minimum vertical extent.
ymax	integer		The maximum horizontal extent.
ymin	integer		The minimum horizontal extent.

## Table VECFILE

This table shows the column list:

Name	Data Type	Constraint	Description
checksum	integer		A checking sum calculated to determine corrupt or unexpectedly changed files.
directory	varchar2(1024)		The directory storing the vector file.
fileid	integer		Stores a unique number for each vector file in the database.
filename	varchar2(256)	not null	<b>Primary key</b> , storing the name of each vector file in the database.
vecid	integer	not null	<b>Primary key</b> , storing a unique number for each vector in the database.

## Table WIFICARRIER

This table shows the column list:

Name	DataType	Constraint	Description
attenuation_dl	float		The Attenuation Downlink value in Mhz defined on the Wi-Fi Carriers tab of the Wi-Fi Carriers dialog box accessed under Carriers on the Configuration menu.
attenuation_ul	float		The Attenuation Uplink value in Mhz defined on the Wi-Fi Carriers tab of the Wi-Fi Carriers dialog box accessed under Carriers on the Configuration menu.
carrierkey	integer	not null	<b>Primary key</b> , storing a unique number for each carrier in the database.
createdate	date		The date when the object was created.
createuser	number		Stores a number indicating the user who created the object. The number is based on the order users were created in.
freq_hi_dl	float		The High Frequency Downlink value in Mhz defined on the Wi-Fi Carriers tab of the Wi-Fi Carriers dialog box accessed under Carriers on the Configuration menu.
freq_hi_ul	float		The High Frequency Uplink value in Mhz defined on the Wi-Fi Carriers tab of the Wi-Fi Carriers dialog box accessed under Carriers on the Configuration menu.
freq_lo_dl	float		The Low Frequency Downlink value in Mhz defined on the Wi-Fi Carriers tab of the Wi-Fi Carriers dialog box accessed under Carriers on the Configuration menu.
freq_lo_ul	float		The Low Frequency Uplink value in Mhz defined on the Wi-Fi Carriers tab of the Wi-Fi Carriers dialog box accessed under Carriers on the Configuration menu.
idname	varchar2(128)	not null	A unique name identifying the object.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		Three digit code that provides the permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

## Table WIMAXCARRIER

This table shows the column list:

Name	DataType	Constraint	Description
bandwidth	float	not null	The carrier bandwidth in (MHz) defined in the WiMAX Mobile Carriers dialog.
carrierkey	integer	not null	<b>Primary key</b> , storing a unique number for each carrier in the database.
createdate	date		The date when the object was created.

Name	DataType	Constraint	Description
createuser	number		Stores a number indicating the user who created the object. The number is based on the order users were created in.
frequency	float	not null	The carrier frequency (in MHz) defined in the WiMAX Mobile Carriers dialog box.
idname	varchar2(128)	not null	A unique name identifying the object.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		Three digit code that provides the permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

## Table WIMAXCARRIERADJ

This table shows the column list:

Name	DataType	Constraint	Description
carrier	integer		The adjacent carrier (in dB) defined in the WiMAX Carriers dialog box.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
dlatt	float		The downlink attenuation (in dB) defined in the WiMAX Carriers dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		Three digit code that provides the permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rowindex	integer	not null	<b>Primary key</b> , storing the adjacency index number, between 0 and 30 inclusive.
ulatt	float	not null	The uplink attenuation (in dB) defined in the WiMAX Carriers dialog box.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
wimaxcarrierfk	integer	not null	<b>Primary key</b> , storing a unique number for each WiMAX carrier in the database.

**Foreign Key:**

- FK1 (projectno + wimaxcarrierfk) references the WIMAXCARRIER table

**Table WIMAXMOBCARRIER**

This table shows the column list:

Name	DataType	Constraint	Description
bandwidth	float	not null	The carrier bandwidth in (MHz) defined in the WiMAX Mobile Carriers dialog.
carrierno	number(38)	not null	<b>Primary key</b> , storing a unique number for each carrier in the database.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
cyclicprefix	integer		Stores a number indicating the 1/32(32), 1/16(16), 1/8(8) or 1/4(4) radio button for the OFDMA symbol in the WiMAX Mobile Carriers dialog box.
dlamc	integer		Stores a number indicating the downlink AMC in the WiMAX Mobile Carriers dialog box.
dlfusc	integer		Stores a number indicating the downlink FUSC in the WiMAX Mobile Carriers dialog box.
dlopusc	integer		Stores a number indicating the downlink OPUSC in the WiMAX Mobile Carriers dialog box.
dlpusc	integer		Stores a number indicating the downlink PUSC in the WiMAX Mobile Carriers dialog box.
duplex	integer		Stores a number indicating the FDD or TDD radio button in the WiMAX Mobile Carriers dialog box.
fixmapdl	float		Stores a number indicating the Preamble and MAP activity per frame in the WiMAX Mobile Carriers dialog box (for the downlink).
fixmapul	float		Stores a number indicating the Preamble and MAP activity per frame in the WiMAX Mobile Carriers dialog box (for the uplink).
frameduration	float		The frame duration in milliseconds specified in the WiMAX Mobile Carriers dialog box.
frequency	float	not null	The carrier frequency (in MHz) defined in the WiMAX Mobile Carriers dialog box.
idname	varchar(128)	not null	Field which stores the names provided for each Mobile WiMAX carrier in the database.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
transitiongap	float		The transition gap in microseconds specified in the WiMAX Mobile Carriers dialog box.

Name	DataType	Constraint	Description
ulamc	integer		Stores a number indicating the uplink AMC in the WiMAX Mobile Carriers dialog box.
ulopusc	integer		Stores a number indicating the uplink OPUSC in the WiMAX Mobile Carriers dialog box.
ulpusc	integer		Stores a number indicating the uplink PUSC in the WiMAX Mobile Carriers dialog box.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

**Foreign Key:**

- FK1(projectno+carrierno) references the TGCARRIER table

**Table WIMAXMOBCARRIERADJ**

This table shows the column list:

Name	DataType	Constraint	Description
carrier	integer		The adjacent carrier (in dB) defined in the WiMAX Carriers dialog box.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
dlatt	float		The downlink attenuation (in dB) defined in the WiMAX Carriers dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rowindex	integer	not null	<b>Primary key</b> , storing the adjacency index number, between 0 and 30 inclusive.
ulatt	float	not null	The uplink attenuation (in dB) defined in the WiMAX Carriers dialog box.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
wimaxmobcarrierfk	integer	not null	Foreign key referencing the Mobile WiMAX carrier used.

**Foreign Key:**

- FK1 (projectno + wimaxmobcarrierfk) references the WIMAXMOBCARRIER table

## Table WFSMAPPINGS

This table shows the column list:

Name	DataType	Constraint	Description
objecttypefk	integer	not null	Stores the Object Type defined in the WFS Service Wizard which is started from the Administrator application.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
wfsattrib	varchar2(32)	not null	Stores the WFS Attribute Type defined in the WFS Service Wizard which is started from the Administrator application.
wfsfeature	varchar2(32)	not null	Stores the WFS Feature defined in the WFS Service Wizard which is started from the Administrator application.
wfsmappingpk	integer	not null	Indicates whether or not WFS mapping is enabled. Defined in the WFS Service Wizard which is started from the Administrator application.
wfsservicefk	integer	not null	Foreign key referencing the WFSSERVICES table.

## Table WFSSERVICES

This table shows the column list:

Name	DataType	Constraint	Description
endpointaddr	varchar2(255)	not null	Stores the Endpoint Address defined in the WFS and WMS Services dialog box within ENTERPRISE Administrator.
epsgcode	varchar2(32)		Stores the EPSG code for a WMS service defined in the WFS and WMS Services dialog box within ENTERPRISE Administrator.
idname	varchar2(32)	not null	Stores the Identity defined in the WFS and WMS Services dialog box within ENTERPRISE Administrator.
metadata	clob	not null	Stores metadata defined in the WFS and WMS Services dialog box within ENTERPRISE Administrator.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
qrylifetime	integer	not null	Stores the Query Lifetime (in minutes) defined in the WFS and WMS Services dialog box
reqtimeout		not null	Stores the Request Timeout in seconds defined in the WFS and WMS Services dialog box within ENTERPRISE Administrator.
wfsservicepk		not null	Identifies the WFS service key.
wfsversion		not null	Stores the WFS Version defined in the WFS and WMS Services dialog box within ENTERPRISE Administrator.



## 4 Equipment Database Tables

The following table describes the equipment database tables:

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + ...)	Diff Table?
ANTENNADEVICE	The antenna devices associated with antenna patterns	devicepk projectno		YES
ANTENNAPATTERN	The antenna patterns used by antenna devices	devicefk patternpk projectno	FK1 - devicefk	YES
ANTENNAPORT	FOR FUTURE USE	projectno portpk devicefk	FK1 - devicefk	YES
BCFTYPE	BCF types, defined on the BCF tab in the Site Database	bcftypekey projectno		YES
BTS	BTS equipment, defined in the BTS equipment dialog box	btskey projectno		YES
CABIN	Cabin equipment, defined in the Cabin dialog box	cabinkey projectno		YES
EQUIPSUPPLIER	Equipment suppliers	equip-supplierkey projectno		NO
FEEDER	Feeder equipment, defined in the Feeder dialog box	feederkey projectno		YES
GSMCARATTENUATION	Attenuation value defined in the System Carriers dialog box	gsmcarattenuation_pk projectno		NO
LOGNODEBTYPE	Node B Types for 3g networks, defined in the Node B Types dialog box	nodeb-typekey projectno		YES
MASTHEADAMP	Masthead Amplifier equipment, defined in the Masthead Amplifier dialog box	mhakey projectno		YES
TOWER	Mast equipment, defined in the Mast dialog box	projectno towerkey		YES
VHMASK	The vertical and horizontal masks for each antenna stored in the Antennas dialog box	maskpk patternfk projectno	FK1 - patternfk + devicefk	YES

## Table ANTENNADEVICE

This table shows the column list:

Name	DataType	Constraint	Description
antennacategory	number(38)		Indicates the Antenna Type: Passive (0) or Beam-Switching (1). Defined on the General tab of the Cellular Antennas dialog box.
cost	float		The Unit cost of the antenna device, defined on the General tab of the Cellular Antennas dialog box.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
depth	float		Stores the depth of the antenna device (in m), defined on the General tab of the Cellular Antennas dialog box.
description	varchar2(1000)		Stores an optional description of the antenna device, defined on the General tab of the Cellular Antennas dialog box.
devicepk	number(38)	not null	<b>Primary key</b> , storing a unique number for each antenna device in the database.
height	float		Stores the height of the antenna device (in m), defined on the General tab of the Cellular Antennas dialog box.
idname	varchar2(128)	not null	Stores the Device ID defined on the General tab of the Cellular Antennas dialog box.
manufacturer	varchar2(128)		Stores the Manufacturer defined on the General tab of the Cellular Antennas dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
noelements	number(38)		The number of Beam Patterns per antenna device, defined on the General tab of the Cellular Antennas dialog box.
numssbbeams	number(38)		The # of SSB Beams defined on the General tab of the Cellular Antennas dialog box for an antenna device of Antenna Type: Beam-Switching.
parentkey	number(38)		Stores a number for the parent folder of the antenna device.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
photofile	varchar2(260)		Stores the file path to a photo associated with the antenna device, specified on the General tab of the Cellular Antennas dialog box.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
supplierkey	number(38)		Stores a number identifying the antenna device supplier, defined on the General tab of the Cellular Antennas dialog box.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

Name	DataType	Constraint	Description
weight	float		Stores the weight of the antenna device (in kg), defined on the General tab of the Cellular Antennas dialog box.
width	float		Stores the width of the antenna device (in m), defined on the General tab of the Cellular Antennas dialog box.

## Table ANTENNAPATTERN

This table shows the column list:

Name	DataType	Constraint	Description
antennapattern-angle	float		The azimuth offset (sometimes known as horizontal offset) of the pattern, defined on the Mask tab of the Cellular Antennas dialog box.
beamindex	number(38)		The Pattern Beam Index defined on the General tab of the Cellular Antennas dialog box.
configid	varchar2(64)		The Lever/Parameter Config ID, defined on the General tab of the Cellular Antennas dialog box.
controlpatternflag	number(38)		Indicates whether the Is Control Pattern option is selected (1) or not (0) in the Switched Beam Pattern Config pane on the Info tab of the Cellular Antennas dialog box for a switched beam antenna pattern.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
crosspolardiscrim	float		The cross polar discrimination (in dB), defined on the General tab of the Cellular Antennas dialog box.
description	varchar2(1000)		The optional description for an antenna pattern defined on the General tab of the Cellular Antennas dialog box for an antenna pattern.
devicefk	number(38)	not null	<b>Primary key</b> , indicating which antenna device is used with each pattern.
downtilt	float		The Elec. Downtilt defined in the Mask Details pane on the Mask tab of the Cellular Antennas dialog box for an antenna pattern.
elecbeamadj	number(38)		The electrical beam adjustment.
elemarrindi	number(38)		The Element Array Indicator, defined in the Misc Details pane on the General tab of the Cellular Antennas dialog box for an antenna pattern.
freqband	number(38)		The frequency band.
frequency	float		The Frequency (in MHz), defined on the General tab of the Cellular Antennas dialog box for an antenna pattern.
fronttobackratio	float		The Front to back ratio (in dB), defined on the General tab of the Cellular Antennas dialog box for an antenna pattern.
gain	float		The Value (in dBi or dBd) defined in the Gain pane on the General tab of the Antennas dialog box for an antenna pattern.

Name	DataType	Constraint	Description
gaintype	number(38)		Indicates whether the pattern gain is specified in dBi (0) (isotropic antennas) or dBd (1) (dipole antennas) in the Gain pane on the General tab of the Antennas dialog box for an antenna pattern..
horizontalbw	float		The Horizontal BW (beamwidth), defined in the Mask Details Pane on the Mask tab of the Cellular Antennas dialog box for an antenna pattern.
idname	varchar2(128)	not null	Stores the name of each pattern in the database.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
parentkey	number(38)		Stores a number for the parent folder of the pattern.
patternpk	number(38)	not null	<b>Primary Key</b> , storing a unique number for each pattern in the database.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
polarisation	number(38)		Indicates the polarisation of the pattern - horizontal (0), vertical (1) or crosspolar (2) - defined in the Polarisation pane on the General tab of the Cellular Antennas dialog box for an antenna pattern.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
ssbindex	number(38)		The SSB Index defined in the Switched Beam Pattern Config pane on the Info tab of the Cellular Antennas dialog box for a switched beam antenna pattern.
tilttype	number(38)		Specifies the type of tilt associated with the antenna pattern, that is, either mechanical (1) or electrical (0).
unique_pattern_id	varchar2(260)	not null	The Unique Pattern ID defined in the General Information pane on the General tab of the Cellular Antennas dialog box for a default antenna pattern.
unique_pattern_id_override	number(38)	not null	Identifies whether the Unique ID Override option has been selected (1) or not (0) in the General Information pane on the General tab of the Cellular Antennas dialog box for a default antenna pattern..
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.
verticalbw	float		The vertical beamwidth, defined in the Mask Details Pane on the Mask tab of the Cellular Antennas dialog box for an antenna pattern.

**Foreign Keys:**

- FK1 (projectno + devicefk) references the ANTENNADEVICE table

## Table ANTENNAPORT

This table shows the column list:

Name	DataType	Constraint	Description
devicefk	number(38)	Not null	Foreign key, identifying the antenna device.
modifyuser	number(38)	Not null	Stores a number indicating the last user who made changes to the table.
portindex	number(38)	Not null	The Index number defined in the Index column of the Ports tab for an antenna device in the Cellular Antennas dialog box accessed from the Equipment menu.
portlocation	varchar2(128)		The location specified in the Position column of the Ports tab for an antenna device in the Cellular Antennas dialog box accessed from the Equipment menu.
portpk	number(38)	Not null	<b>Primary key</b> , identifying the port.
porttype	varchar2(128)		The port type specified in the Type column of the Ports tab for an antenna device in the Cellular Antennas dialog box accessed from the Equipment menu.
projectno	number(38)	Not null	<b>Primary key</b> , storing a unique number for each project in a database.

### Foreign Keys:

- FK1 (projectno + devicefk) references the ANTENNADEVICE table

## Table BCFTYPE

This table shows the column list:

Name	DataType	Constraint	Description
bctypkey	integer	not null	<b>Primary key</b> , storing a unique number for each BCF type.
combinertype	varchar2(128)		The combiner type, defined in the BCF Types dialog box.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
Idname	varchar2(128)		Stores the name of each BCF Type in the database.
maxbts	integer		The maximum number of BTs that can be used with the BCF Type, defined in the BCF Types dialog box.
maxtrx	integer		The maximum number of TRXs that can be used with the BCF Type, defined in the BCF Types dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
nmscode	integer		The NMS Code, defined in the BCF Types dialog box.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.

Name	DataType	Constraint	Description
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

## Table BTS

This table shows the column list:

Name	DataType	Constraint	Description
btskey	integer	not null	<b>Primary key</b> , storing a unique number for each BTS in the database.
celllaypow	varchar2(1024)		Stores the power value for the cell.
cellspacing	integer		The Minimum Cell Spacing, defined on the Parameters tab of the BTS Equipment dialog box.
cost	float		The unit cost of the BTS, defined on the Costing tab of the BTS Equipment dialog box.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
description	varchar2(128)		Stores an optional description of the BTS.
Idname	varchar2(128)	not null	Stores the name of each BTS in the database.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
photofile	varchar2(260)		Stores the file path to a photo associated with the BTS, specified on the General tab of the BTS Equipment dialog box.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
sitespacing	integer		The Minimum Site Spacing, defined on the Parameters tab of the BTS Equipment dialog box.
supplierkey	integer		Stores a number for the BTS supplier, defined on the Costing tab of the BTS Equipment dialog box.
txpwrmax	float		The Maximum PA Output Power (in dBm), defined on the Parameters tab of the BTS Equipment dialog box.
txpwrmin	float		The Minimum PA Output Power (in dBm), defined on the Parameters tab of the BTS Equipment dialog box.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
weight	float		Stores the associated weight of the BTS.

## Table CABIN

This table shows the column list:

Name	DataType	Constraint	Description
cabinkey	integer	not null	<b>Primary key</b> , storing a unique number for each cabin in the database.
cost	float		The unit cost of the cabin, defined on the Costing tab of the Cabins dialog box.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
description	varchar2(128)		Stores an optional description of the cabin.
height	float		The height of a cabin (in m), defined on the Dimensions tab of the Cabins dialog box.
idname	varchar2(128)	not null	Stores the name of each cabin in the database.
length	float		The length of the cabin (in m), defined on the Dimensions tab of the Cabins dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
parentkey	integer		Indicates the folder in which the equipment is stored, in the Cabins dialog box. 70000 = All projects folder 70001 = First created project folder. 70002 = Second created folder and so on.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
photofile	varchar2(260)		Stores the file path to a photo associated with the cabin, specified on the General tab of the Cabin dialog box.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
supplierkey	integer		Stores a number for the cabin supplier, defined on the Costing tab of the Cabin dialog box.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
weight	float		The weight of the cabin (in kg), defined on the Dimensions tab of the Cabins dialog box.
width	float		The width of the cabin (in m), defined on the Dimensions tab of the Cabins dialog box.

## Table EQUIPSUPPLIER

This table shows the column list:

Name	DataType	Constraint	Description
address	varchar2(255)		The equipment supplier's address, defined on the Equipment Supplier Properties dialog box.
comments	varchar2(255)		The comments about an equipment supplier, defined on the Equipment Supplier Properties dialog box.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
email	varchar2(128)		The equipment supplier's email address, defined on the Equipment Supplier Properties dialog box.
equipsupplierkey	integer	not null	<b>Primary key</b> , storing a unique number for each equipment supplier in the database.
fax	varchar2(32)		The equipment supplier's fax number, defined on the Equipment Supplier Properties dialog box.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
name	varchar2(128)		The equipment supplier's name, defined on the Equipment Supplier Properties dialog box.
phone	varchar2(32)		The equipment supplier's phone number, defined on the Equipment Supplier Properties dialog box.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

## Table FEEDER

This table shows the column list:

Name	Data Type	Constraint	Description
connloss	float		The Total Connector Loss (in dB) for the feeder, defined on the Losses tab of the Feeders dialog box, and used to calculate EIRP.
cost	float		The Unit Cost of the feeder, defined on the Costing tab of the Feeders dialog box.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
description	varchar2(128)		Stores an optional description of the feeder.
equipiconkey	integer		Indicates the particular ARCHITECT symbol associated with each feeder.
feederkey	integer	not null	<b>Primary key</b> , storing a unique number for each feeder in the database.
freq	float		The Frequency (in GHz) of the feeder, defined on the Losses tab of the Feeders dialog box.
idname	varchar2(128)	not null	Stores the name of each feeder in the database.

Name	Data Type	Constraint	Description
losspermetre	float		The Loss (in dB per m) of the feeder, defined on the Losses tab of the Feeders dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
parentkey	integer		Indicates the folder in which the equipment is stored, in the Feeders dialog box. 50000 = All projects folder 50001 = First created project folder 50002 = Second created project folder, and so on.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
photofile	varchar2(260)		Stores the file path to a photo associated with the feeder, specified on the General tab of the Feeders dialog box.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
supplierkey	integer		Stores a number for the feeder supplier, defined on the Costing tab of the Feeders dialog box.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
weight	float		The weight of the feeder (in kg per m), defined on the Losses tab of the Feeders dialog box.

## Table GSMCARATTENUATION

This table shows the column list:

Name	DataType	Constraint	Description
attenuation	float		The value in the Attenuation field of the System Carriers dialog box opened from the Carriers GSM/GPRS option on the Configuration menu.
attenuationkey	number(38)	Not null	<b>Primary key</b> , composite with projectno to form the primary key for this table.
modifyuser	number(38)	Not null	Stores a number indicating the last user who made changes to the table.
projectno	number(38)	Not null	<b>Primary key</b> , storing a unique number for each project in a database.

## Table LOGNODEBTYPE

This table shows the column list:

Name	Data Type	Constraint	Description
autotxcalc	number		Indicates whether Automatic calculation of Max DL Power per Connection has been selected (1) or not (0). This is set on the Load Control tab of the Node B Types dialog box.

Name	Data Type	Constraint	Description
cost	float		The Unit cost of the Node B Type, defined on the Costing tab of the Node B Types dialog box.
createdate	date		The date when the object was created.
createuser	number		Stores a number indicating the user who created the object. The number is based on the order users were created in.
description	varchar2(128)		Stores an optional description of the Node B Type.
equipiconkey	number		Indicates the particular ARCHITECT symbol associated with each Node B Type.
idname	varchar2(128)		Stores the name of each Node B Type in the database.
modifydate	date		The date when the object was last modified.
modifyuser	number		Stores a number indicating the last user who made changes to the table.
nodebtypekey	number	not null	<b>Primary key</b> , storing a unique number for each Node B Type in the database.
otsrsupport	number	not null	Indicates whether the Enable OTSR Configuration Support option has been selected (1) or not (0). This is set on the General tab of the Node B Types dialog box.
perdltrafpow	number		Indicates whether the Consider proportion of downlink traffic power used option has been selected (1) or not (0). This is set on the Load Control tab of the Node B Types dialog box.
permission	number		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
pernoise-riselim	number		Indicates whether Consider proportion of noise rise limit reached has been selected (1) or not (0). This is set on the Load Control tab of the Node B Types dialog box.
photofile	varchar2(260)		Stores the file path to a photo associated with the feeder, specified on the General tab of the Node B Types dialog box.
projectno	number	not null	<b>Primary key</b> , storing a unique number for each project in a database.
res1dlho	number		Stores the number of downlink handover channels for Resource 1.
res2dlho	number		Stores the number of downlink handover channels for Resource 2.
res3dlho	number		Stores the number of downlink handover channels for Resource 3.
res1dlpri	number		Stores the number of downlink primary channels for Resource 1.
res2dlpri	number		Stores the number of downlink primary channels for Resource 2.
res3dlpri	number		Stores the number of downlink primary channels for Resource 3.
res1dltot	number		Stores the total number of downlink channels for Resource 1.
res2dltot	number		Stores the total number of downlink channels for Resource 2.

Name	Data Type	Constraint	Description
res3dltot	number		Stores the total number of downlink channels for Resource 3.
res1namekey	number		Key that resource 1 uses on the node B type.
res2namekey	number		Key that resource 2 uses on the node B type.
res3namekey	number		Key that resource 3 uses on the node B type.
res1props	number		Per node B type / per carrier / per cell resource 1 properties.
res2props	number		Per node B type / per carrier / per cell resource 2 properties.
res3props	number		Per node B type / per carrier / per cell resource 3 properties.
res1ulho	number		Stores the number of uplink handover channels for Resource 1.
res2ulho	number		Stores the number of uplink handover channels for Resource 2.
res3ulho	number		Stores the number of uplink handover channels for Resource 3.
res1ulpri	number		Stores the number of uplink primary channels for Resource 1.
res2ulpri	number		Stores the number of uplink primary channels for Resource 2.
res3ulpri	number		Stores the number of uplink primary channels for Resource 3.
res1ultot	number		Stores the total number of uplink channels for Resource 1.
res2ultot	number		Stores the total number of uplink channels for Resource 2.
res3ultot	number		Stores the total number of uplink channels for Resource 3.
supplierkey	number		Stores a number for the feeder supplier, defined on the Costing tab of the Node B Types dialog box.
usergroup	number		Stores a number indicating the user group associated with the user who created the object.
weight	float		Stores the associated weight of the Node B Type.

## Table MASTHEADAMP

This table shows the column list:

Name	Data Type	Constraint	Description
cost	float		The Unit Cost of the feeder, defined on the Costing tab of the Mast Head Amplifier(s) dialog box.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
description	varchar2(128)		Stores an optional description of the Mast Head Amplifier.

Name	Data Type	Constraint	Description
equipiconkey	integer		Indicates the particular ARCHITECT symbol associated with each mast head amplifier.
idname	varchar2(128)	not null	Stores the name of each mast head amplifier in the database.
insloss	float		The Insertion Loss (in dB), defined on the Amplifier tab of the Mast Head Amplifier(s) dialog box.
maxgain	float		The Maximum Gain (in dB), defined on the Amplifier tab of the Mast Head Amplifier(s) dialog box.
mhakey	integer	not null	<b>Primary key</b> , storing a unique number for each mast head amplifier.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
noisefig	float		The Noise Figure (in dB), defined on the Amplifier tab in the Mast Head Amplifier(s) dialog box.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
photofile	varchar2(260)		Stores the file path to a photo associated with the feeder, specified on the General tab of the Mast Head Amplifier(s) dialog box.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
supplierkey	integer		Stores a number identifying the feeder supplier, defined on the Costing tab of the Mast Head Amplifier(s) dialog box.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
weight	float		Stores the associated weight of the mast head amplifier.

## Table TOWER

This table shows the column list:

Name	DataType	Constraint	Description
cost	float		The Unit Cost of the mast, defined on the Costing tab of the Masts dialog box.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
description	varchar2(128)		Stores an optional description of the mast.
height	float		Stores the mast Structure Height in m, defined on the Dimensions tab of the Masts dialog box.
idname	varchar2(128)	not null	Stores the name of each mast in the database.
mastheightavail	varchar2(512)		NOT USED.
modifydate	date		The date when the object was last modified.

Name	DataType	Constraint	Description
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
mounting	integer		NOT USED.
parentkey	integer		Indicates the folder in which the equipment is stored, in the Masts dialog box. 80000 = All projects folder 80001 = First created project folder 80002 = Second created project folder and so on.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
photofile	varchar2(260)		Stores the file path to a photo associated with the mast, specified on the General tab of the Masts dialog box.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
sectionlength	float		NOT USED.
supplierkey	integer		Stores the a number identifying the mast supplier, defined on the Costing tab of the Masts dialog box.
towerkey	integer	not null	<b>Primary key</b> , storing a unique number for each mast in the database.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
weight	float		Stores the associated weight of the mast.

## Table VHMASK

This table shows the column list:

Name	Data Type	Constraint	Description
devicefk	number(38)	not null	Indicates which antenna device uses the mask.
mask	clob		Combined horizontal and vertical Angle Loss Vector data stored in XML format.
maskpk	number(38)	not null	<b>Primary key</b> , non unique key defaulted to 1 and reserved for future use.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
patternfk	number(38)	not null	<b>Primary key</b> , storing a unique number for each mask in the database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.

### Foreign Keys:

- FK1 (projectno + patternfk + devicefk) references the ANTENNAPATTERN table



## 5 Internal Database Tables

The following table describes the internal database tables:

This Table	Stores Information On	Primary Keys	Foreign Keys	Diff Table?
CELLEQUIPMENT	Cell equipment, defined in the Cell Equipment dialog box	cell-equipmentkey projectno		YES
CIBER	The Bit Error Rate	ci projectno		NO
CONFIGURATION	The options in the Application Configuration dialog box	optionidpk		NO
DBCOREIFI	Relationships between Diff tables			NO
DBVERSION	The current database version number, and the number of the version from which it was upgraded	versionnumber		NO
ENT_HOTFIXSCRIPT_DATA	'Hot fix' scripts executed on the database.  For internal use only.	seq_id		NO
GTT_REGIONLOAD_CACHE	Global Temporary Table.  For internal use only.			NO
GTT_REGIONLOAD_INTERSECTIONS	Global Temporary Table.  For internal use only.			NO
GTT_REGIONLOAD_PROPS	Global Temporary Table.  For internal use only.			NO
GTT_REGIONLOAD_REMOTEANTS	Global Temporary Table.  For internal use only.			NO
FIELDSTABLE	The database tables and associated column fields	acfieldname actablename		NO
IDSEQUENCES	ID numbers for each new site created	idname projno		NO
INTERFWEIGHTS	Interference weights tables, and the level of interference expected within a pixel based on C/I ratio	intfweightskey projectno		NO
PRIORGROUPS	User groups	grpkey		NO
PRIORGROUPUSER	Associations between groups and users	grpkey usrkey		NO
PRIORUSER	Users	usrkey		NO

This Table	Stores Information On	Primary Keys	Foreign Keys	Diff Table?
PRIORUSERLICCONFIG	License configuration	grpkeypk name usrkeypk version	FK1 - usrkeypk FK2 - grpkeypk	NO
PRIORUSERPRIVEX	Permissions for tables	grpkeypk permissionpk projectno usrkeypk	FK1 - grpkeypk FK2 - usrkeypk FK3 - permissionpk	NO
PRIORUSERPRIVETYPE	A short name to describe the permission, and a comment	permission-typepk		NO
PRIORUSERRIGHTS	The options in the Power Users Permissions dialog box.	optionidpk usrtypefk		NO
PRIORUSERTYPE	All user types created and stored in the database	usrtypepk		NO
PROJECT	Projects	name projectnumber		NO
PROJECTREGION	Region information for when a project is loaded	projectnumber userkey	FK1 - project-number	NO
REF_COLUMNS	Foreign key relationships			NO
SANDBOXGROUP		grpkey sandboxusrkey		NO
SANDBOXUSER		sandboxusrkey usrkey		NO

## Table CELLEQUIPMENT

This table shows the column list:

Name	DataType	Constraint	Description
cellequipmentkey	integer	not null	<b>Primary key</b> , storing a unique number for each cell equipment defined in the database.
cost	float		The Unit cost of the cell equipment, defined on the Costing tab of the Cell Equipment dialog box.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
description	varchar2(128)		Stores an optional description of the cell equipment.
equipiconkey	integer		Indicates the particular ARCHITECT symbol associated with each cell equipment.

Name	DataType	Constraint	Description
idname	varchar2(128)	not null	The Part ID, stored on the General tab of the Cell Equipment dialog box.
loss	float		The Equipment Loss (in dB), stored on the Info tab of the Cell Equipment dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		NOT USED.
photofile	varchar2(260)		Stores the file path to a photo associated with the feeder, specified on the General tab of the cell equipment dialog box.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
supplierkey	integer		Stores a unique number associating a particular supplier with the cell equipment.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
weight	float		Stores the associated weight of the cell equipment.

## Table CIBER

This table shows the column list:

Name	Data Type	Constraint	Description
ber	float		Stores the BER, defined on the Define C/I BER Conversion dialog box.
ci	number(38)	not null	<b>Primary key</b> , which stores the C/I value, defined in the Define C/I BER Conversion dialog box.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.

## Table CONFIGURATION

This table shows the column list:

Name	Data Type	Constraint	Description
active	integer	not null	Indicates whether this option is currently active (1) or not (0).
activebydefault	integer	not null	Indicates whether this option is active by default (1) or not (0).
description	varchar2(2048)	not null	The full description of the option, which is displayed in the Description pane of the Configuration dialog box in Administrator.
englishname	varchar2(128)	not null	The English name descriptor for the option.
idname	varchar2(128)	not null	The ID name for the option, displayed in the Configuration dialog box in Administrator.
issectionheaderonly	integer	not null	Indicates whether the option is a section header only (1) or not (0).

Name	Data Type	Constraint	Description
optionidpk	integer	not null	<b>Primary key</b> , storing a unique number for each option in the Configuration dialog box in Administrator.
parentoptionid	integer	not null	If the option is a sub-option, this number identifies its parent option.

## Table DBCORERFI

This table shows the column list:

Name	DataType	Constraint	Description
xmldata	clob		Stores hierarchical links to the relationships between tables in an XML format.

## Table DBVERSION

This table shows the column list:

Name	DataType	Constraint	Description
minpatchbuild	varchar(30)		The number of the build necessary to apply this patch.
minpatchsupported	integer		The patch number of the version of ENTERPRISE required to use this database.
upgradeversion	integer		The version number of the database from which the user upgraded.
versionnumber	integer	not null	<b>Primary key</b> , storing a unique number for the version of the database the user is currently using.

## Table ENT\_HOTFIXSCRIPT\_DATA

This table shows the column list:

Name	DataType	Constraint	Description
comment_data	varchar2(400 0)	not null	Internal use only. Records purpose of script.
executing user	varchar2(128)	not null	Internal use only. Shows which user executed script.
execution_time	date	not null	Internal use only. Shows when script was executed.
reference_id	varchar2(128)	not null	Internal use only. Shows JIRA or UTS identifier.
seq_id	number(38)	not null	Internal use only. Primary key.

## Table FIELDSTABLE

This table shows the column list:

Name	DataType	Constraint	Description
acfieldlength	integer		The length of field entries of the varchar2 and float data type.
acfieldname	varchar2(32)	not null	<b>Primary key</b> , storing the name of each field in the database.
acfieldtype	varchar2(32)		The data type of each field.
actablename	varchar2(32)	not null	<b>Primary key</b> , storing the name of each table in the database.

## Table GTT\_REGIONLOAD\_CACHE

This table shows the column list:

Name	DataType	Constraint	Description
addresskey	number(38)		Identifies a specific Property in the SITEADDRESS table.

## Table GTT\_REGIONLOAD\_INTERSECTIONS

This table shows the column list:

Name	DataType	Constraint	Description
addresskey	number(38)		Identifies a specific Property in the SITEADDRESS table.

## Table GTT\_REGIONLOAD\_PROPS

This table shows the column list:

Name	DataType	Constraint	Description
addresskey	number(38)		Identifies a specific Property in the SITEADDRESS table.

## Table GTT\_REGIONLOAD\_REMOTEANTS

This table shows the column list:

Name	DataType	Constraint	Description
addresskey	number(38)		Identifies a specific Property in the SITEADDRESS table.

## Table IDSEQUENCES

This table shows the column list:

Name	DataType	Constraint	Description
idname	varchar2(128)	not null	<b>Primary key</b> , storing the name of the network element.
nextv	number		The last number used when a new network element was created.
projno	number	not null	<b>Primary key</b> , storing a unique number for each project in a database.

## Table INTERFWEIGHTS

This table shows the column list:

Name	DataType	Constraint	Description
ci_db0	float		The first CI_dB value in the Define Interference Weights dialog box.
... (and so on up to )			
ci_db60	float		The last CI_dB value in the Define Interference Weights dialog box.
intfweightskey	integer	not null	<b>Primary key</b> , storing a unique number for each CI_dB/Percentage pair in the database.
maxci_db	integer		The maximum CI_dB value in the Define Interference Weights dialog box.
minci_db	integer		The minimum CI_dB value in the Define Interference Weights dialog box.
name	varchar2(128)		The name of the group of interference weights, defined in the Define Interference Weights dialog box.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

## Table PRIORGROUPS

This table shows the column list:

Name	Data Type	Constraint	Description
distrcovagentlimit	number(38)	not null	Stores the maximum number of distributed coverage agents, if this has been specified on the Group Properties dialog box.
distrcovenabled	number(38)	not null	Indicates whether the Enable Distribution option has been selected (1) or not (0). This is defined on the Distributed Coverage tab of the Group Properties dialog box.
distrcovpriority	number(38)	not null	Indicates the relative priority of the user for the processing of distributed coverage - Lowest (1), Low (50), Medium (100), High (500) or Highest (10000). Defined on the Distributed Coverage tab of the Group Properties dialog box.

Name	Data Type	Constraint	Description
distrcovunlimagents	number(38)	not null	Indicates whether an Unlimited maximum number of agents has been selected (1) or not (0). Defined on the Distributed Coverage tab of the Group Properties dialog box.
distrpredagentlimit	number(38)	not null	Stores the maximum number of distributed predictions agents, if this has been specified on the Group Properties dialog box.
distrpredenabled	number(38)	not null	Indicates whether the Enable Distribution option has been selected (1) or not (0). This is defined on the Distributed Predictions tab of the Group Properties dialog box.
distrpredpriority	number(38)	not null	Indicates the relative priority of the user for the processing of distributed predictions - Lowest (1), Low (50), Medium (100), High (500) or Highest (10000). Defined on the Distributed Predictions tab of the Group Properties dialog box.
distrpredunlimagents	number(38)	not null	Indicates whether an Unlimited maximum number of agents has been selected (1) or not (0). Defined on the Distributed Predictions tab of the Group Properties dialog box.
grp	varchar2(128)		The name of the group, defined in ENTERPRISE Administrator.
grpcom	varchar2(255)		Stores any optional comments on the group.
grpkey	number(38)	not null	<b>Primary key</b> , storing a unique number for each group in the database.
licallowuseroverride	number(38)	not null	Indicates whether the Allow user overrides option is selected (1) or not (0) on the Group Properties Licence Configuration tab in ENTERPRISE Administrator.
liccommuterestricted	number(38)	not null	Indicates whether the Apply License Commute Control option is selected (1) or not (0) on the Group Properties License Configuration tab in ENTERPRISE Administrator.
licgrphasconfig	number(38)	not null	Indicates whether the Use Group for Configuration option is selected (1) or not (0) on the Group Properties License Configuration tab in ENTERPRISE Administrator.
licuserrestricted	number(38)	not null	Indicates whether the Apply License Control option is selected (1) or not (0) on the Group Properties License Configuration tab in ENTERPRISE Administrator.

## Table PRIORGROUPUSER

This table shows the column list:

Name	Data Type	Constraint	Description
grpkey	integer	not null	<b>Primary key</b> , storing a unique number for each group in the database.
usrkey	integer	not null	<b>Primary key</b> , storing a unique number associating a user with a particular group.

## Table PRIORUSER

This table shows the column list:

Name	Data Type	Constraint	Description
address	varchar2(1000)		The Address of the user, defined on the User Properties Contact Details tab in ENTERPRISEAdministrator.
afterhoursno	varchar2(30)		The After Hours Number of the user, defined on the User Properties Contact Details tab in ENTERPRISEAdministrator.
defaultgrp	integer	not null	Indicates the Default Group to which the user is attached, defined on the User Properties Creation Defaults tab in ENTERPRISEAdministrator.
distrcovagentlimit	number(38)	not null	Stores the maximum number of distributed coverage agents, if this has been specified on the Distributed Arrays tab of the User Properties dialog box.
distrcoenabled	number(38)	not null	Indicates whether the Enable Distribution option has been selected (1) or not (0). This is defined on the Distributed Arrays tab of the User Properties dialog box.
distrcovpriority	number(38)	not null	Indicates the relative priority of the user for the processing of distributed coverage - Lowest (1), Low (50), Medium (100), High (500) or Highest (10000). Defined on the Distributed Arrays tab of the User Properties dialog box.
distrcovunlim agents	number(38)	not null	Indicates whether an Unlimited maximum number of agents has been selected (1) or not (0). Defined on the Distributed Arrays tab of the User Properties dialog box.
distrpredagentlimit	number(38)	not null	Stores the maximum number of distributed predictions agents, if this has been specified on the Distributed Predictions tab of the User Properties dialog box.
distrpredenabled	number(38)	not null	Indicates whether the Enable Distribution option has been selected (1) or not (0). This is defined on the Distributed Predictions tab of the User Properties dialog box.
distrpredpriority	number(38)	not null	Indicates the relative priority of the user for the processing of distributed predictions - Lowest (1), Low (50), Medium (100), High (500) or Highest (10000). Defined on the Distributed Predictions tab of the User Properties dialog box.
distrpredunlim agents	number(38)	not null	Indicates whether an Unlimited maximum number of agents has been selected (1) or not (0). Defined on the Distributed Predictions tab of the User Properties dialog box.
email_id	varchar2(128)		The Email Address of the user, defined on the User Properties Contact Details tab in ENTERPRISEAdministrator.
email_id2	varchar2(128)		The Email Address 2 of the user, defined on the User Properties Contact Details tab in ENTERPRISEAdministrator.
extauth	number(38)	not null	Indicates whether the Use External OS Authentication option is selected (1) or not (0). defined on the User Properties General tab in ENTERPRISEAdministrator.

Name	Data Type	Constraint	Description
firstname	varchar2(128)		The First Name of the user, defined on the User Properties Contact Details tab in ENTERPRISEAdministrator.
lastlogon	date		Shows the date and time of the user's most recent logon.
lastname	varchar2(128)		The Last Name of the user, defined on the User Properties Contact Details tab in ENTERPRISEAdministrator.
licallowuseroverride	number(38)	not null	Indicates whether the Allow user overrides option is selected (1) or not (0) on the User Properties Licence Configuration tab in ENTERPRISE Administrator.
liccommuterestricted	number(38)	not null	Indicates whether the Apply Licence Commute Control option is selected (1) or not (0) on the User Properties Licence Configuration tab in ENTERPRISE Administrator.
licstartoption	number(38)	not null	Indicates the Startup Mode defined on the User Properties Licence Configuration tab in ENTERPRISE Administrator. Can be Prompt (0), User Configuration (1), All (2), Group Configuration (3).
licuserrestricted	number(38)	not null	Indicates whether the Apply Licence Control option is selected (1) or not (0) on the User Properties Licence Configuration tab in ENTERPRISE Administrator.
mobileno	varchar2(30)		The Mobile Number of the user, defined on the User Properties Contact Details tab in ENTERPRISEAdministrator.
pagerno	varchar2(30)		The Pager Number of the user, defined on the User Properties Contact Details tab in ENTERPRISEAdministrator.
sitemask	number(38)		Indicates which Write options have been selected on the User Properties Creation Defaults tab: None (8) All (9) Default Group (10) Default Group + All (11) Owner (12) Owner + All (13) Owner + Default Group (14) Owner + Default Group + All (15)
usr	varchar2(32)		The User Id, defined on the User Properties General tab in ENTERPRISEAdministrator.
usrcom	varchar2(255)		Any optional comments for the user, defined on the User Properties General tab in ENTERPRISEAdministrator.
usrkey	number(38)	not null	<b>Primary key</b> , storing a unique number for each user in the database.
usrtype	number(38)	not null	Indicates the user type.
visibilitygroup	number(38)		Stores a number indicating the user group associated with the user with read permissions for this object.
visibilitymask	number(38)		Three digit code that provides the read permissions for the user, the default group they belong to and all other users. For more information on this, see the ENTERPRISE Installation and Administration Guide.
workno	varchar2(30)		The Work Number of the user, defined on the User Properties Contact Details tab in ENTERPRISEAdministrator.

**Foreign Keys:**

- FK1 (usrtype) references the PRIORUSERTYPE table

## Table PRIORUSERLICCONFIG

This table shows the column list:

Name	DataType	Constraint	Description
active	number(38)	not null	Indicates whether the Request option for a license is selected(1) or not (0). Defined on the License Configuration page of the Create New User Wizard in ENTERPRISE Administrator.
allowed	number(38)	not null	Indicates whether the Allowed option for a license is selected(1) or not (0). Defined on the License Configuration page of the Create New User Wizard in ENTERPRISE Administrator.
commuteallowed	number(38)	not null	Indicates whether the Commute option for a license is selected(1) or not (0). Defined on the License Configuration page of the Create New User Wizard in ENTERPRISE Administrator.
grpkeypk	number(38)	not null	<b>Primary key</b> , a unique number identifying the group.
name	varchar2(64)	not null	<b>Primary key</b> , identifying the internal name for the license.
usrkeypk	number(38)	not null	<b>Primary key</b> , a unique number identifying the user.
version	varchar2(64)	not null	<b>Primary key</b> , identifying the internal version of the license.

**Foreign Keys:**

- FK1 ( usrkeypk + projectno) references the PRIORUSER table
- FK2 ( grpkeypk + projectno) references the PRIORGROUPS table

## Table PRIORUSERPRIVEX

This table shows the column list:

Name	Data Type	Constraint	Description
grpkeypk	integer	not null	<b>Primary key</b> , storing a unique number associating the user with a particular group.
permissionpk	integer	not null	<b>Primary key</b> defining a particular instance of a permission type.
permvalue	integer		Stores the value of the permission, either 0 or 1.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usrkeypk	integer	not null	<b>Primary key</b> , storing a unique number for each user in the database.

**Foreign Keys:**

- FK1 (grpkeypk) references the PRIORGROUPS table
- FK2 (usrkeypk) references the PRIORUSER table
- FK3 (permissionpk) references the PRIORUSERPRIVEXTYPE table

**Table PRIORUSERPRIVEXTYPE**

This table shows the column list:

Name	DataType	Constraint	Description
permissiontypepk	integer	not null	<b>Primary key</b> defining the permission.
shortname	varchar2(64)		Stores a short name to describe the permission, which the code references.
usercomment	varchar2(255)		Comment made by the user.

**Table PRIORUSERRIGHTS**

This table shows the column list:

Name	DataType	Constraint	Description
allowed	integer	not null	Indicates whether the option is currently selected (1) or not (0) in the Power Users Permissions dialog box.
allowedbydefault	integer	not null	Indicates whether the option is selected by default (1) or not (0) in the Power Users Permissions dialog box.
description	varchar2(2048)	not null	The full description of the option, which is displayed in the Description pane of the Power Users Permissions dialog box.
englishname	varchar2(128)	not null	The English name descriptor for the option.
idname	varchar2(128)	not null	The ID name for the option, displayed in the Power Users Permissions dialog box.
issectionheaderonly	integer	not null	Indicates whether the option is a section header only (1) or not (0).
optionidpk	integer	not null	<b>Primary key</b> , storing a unique number identifying each option in the Power Users Permissions dialog box.
parentoptionid	integer	not null	If the option is a sub-option, this number identifies its parent option.
usrtypefk	integer	not null	<b>Primary key</b> , which provides distinction between the various users. SuperUser (0), Regional SuperUser (1), Normal User (2) and Power User (3).

## Table PRIORUSERTYPE

This table shows the column list:

Name	DataType	Constraint	Description
typename	varchar2(255)		Stores the name of the user type.
usrtypepk	integer	not null	<b>Primary key</b> , which provides distinction between the various users. SuperUser (0), Regional SuperUser (1), Normal User (2) and Power User (3).

## Table PROJECT

This table shows the column list:

Name	DataType	Constraint	Description
active	integer		Indicates whether the project has been deleted from the Start Project window (0) or not (1).
aerialdir	varchar2(255)		Stores the path to the Backdrop photograph directory associated with the project, defined on the Map Data Directories tab of Modify Project dialog box.
architectmasterfiledir	varchar2(255)		Stores the path to the ARCHITECT master file associated with the project, defined on the Modify Project dialog box.
arraydir	varchar2(255)		Stores the path to the Coverage Array directory associated with the project, defined on the Shared Data Directories tab on the Modify Project dialog box.
bldgrasterdir	varchar2(255)		Stores the path to the Building raster data directory associated with the project, defined on the Map Data Directories tab on the Modify Project dialog box.
bldgvectordir	varchar2(255)		Stores the path to the Building vector data directory associated with the project, defined on the Map Data Directories tab on the Modify Project dialog box.
clutterdir	varchar2(255)		Stores the path to the Clutter directory associated with the project, defined on the Map Data Directories tab on the Modify Project dialog box.
comments	varchar2(255)		Optional comments about a project, defined on the Info tab of the Modify Project dialog box.
created	varchar2(64)		The date and time when each project was created, defined on the Info tab of the Modify Project dialog box.
description	varchar2(255)		Optional description of a project, defined on the Info tab of the Modify Project dialog box.
eastmax	integer		The Easting Maximum co-ordinates for the map data extents, defined on the Map Data Extents tab of the Modify Project dialog box.

Name	DataType	Constraint	Description
eastmin	integer		The Easting Minimum co-ordinates for the map data extents, defined on the Map Data Extents tab of the Modify Project dialog box.
ellipsoid	integer		Stores a unique number, associating a particular ellipsoid with the project. This is defined on the Coord System tab of the Modify Project dialog box.
grp	varchar2(128)		NOT USED.
htdir	varchar2(255)		Stores the path to the Heights directory associated with the project, defined on the Map Data Directories tab on the Modify Project dialog box.
isremote	integer		Indicates whether the project is remote (1) or not (0).
latmax	float(64)		The Latitude Maximum co-ordinates for the map data extents, defined on the Region Load tab of the Modify Project dialog box.
latmin	float(64)		The Latitude Minimum co-ordinates for the map data extents, defined on the Region Load tab of the Modify Project dialog box.
lonmax	float(64)		The Longitude Maximum co-ordinates for the map data extents, defined on the Region Load tab of the Modify Project dialog box.
lonmin	float(64)		The Latitude Maximum co-ordinates for the map data extents, defined on the Region Load tab of the Modify Project dialog box.
mapinfoprojection	varchar2(500)		The name of the MapInfo projection system being used for this project, defined on the Coord System tab of the Modify Project dialog box.
modified	varchar2(64)		The date and time when each project was last modified, defined on the Info tab of the Modify Project dialog box.
name	varchar2(128)	not null	<b>Primary key</b> , storing the Project name.
northmax	integer		The Northing Maximum co-ordinates for the map data extents, defined on the Map Data Extents tab of the Modify Project dialog box.
northmin	integer		The Northing Minimum co-ordinates for the map data extents, defined on the Map Data Extents tab of the Modify Project dialog box.
optdata	varchar2(255)		The OPTIMA DataSource, defined on the OPTIMA Login tab of the Modify Project dialog box.
optpasswd	varchar2(255)		The OPTIMA Password, defined on the OPTIMA Login tab of the Modify Project dialog box.
optuid	varchar2(255)		The OPTIMA UserId, defined on the OPTIMA Login tab of the Modify Project dialog box.
pallettedir	varchar2(255)		Stores the path to the Color palette file associated with the project, defined on the Shared Data Directories tab of the Modify Project dialog box.

Name	DataType	Constraint	Description
predictiondir	varchar2(255)		Stores the path to the Prediction directory associated with the project, defined on the Shared Data Directories tab of the Modify Project dialog box.
projection	integer		Stores a unique number, associating a particular projection with the project.
projectnumber	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rmcreator	integer		Stores a unique number, identifying the user who created the remote project.
scanmapdir	varchar2(255)		Stores the path to the scanned map directory associated with the project, defined on the Map Data Directories tab of the Modify Project dialog box.
systemprefsdir	varchar2(255)		Stores the path to the System preferences directory associated with the project, defined on the Map Data Directories tab of the Modify Project dialog box.
tablenumber	integer		The project number of the shared project. If the project is not shared, this will be the same as the project number.
targetmasterfiledir	varchar2(255)		Stores the path to the TARGET master file associated with the project, defined of the Modify Project dialog box.
textdir	varchar2(255)		Stores the path to the Text directory associated with the project, defined on the Map Data Directories tab of the Modify Project dialog box.
threeglocalfolder	varchar2(255)		NOT USED.
threegpromptforaccount	integer		Indicates whether the Always prompt for Username and Password option has been selected (1) or not (0). This is defined on the Simulation Distribution tab of the Modify Project dialog box.
threegremotefolder	varchar2(255)		Stores the path to the distribution folder associated with the project, defined on the Simulation Distribution tab of the Modify Project dialog box.
useregionload	integer		Indicates whether the Restrict Site Load to Region option has been selected (1) or not (0). This is defined on the Region Load tab of the Modify Project dialog box.
userprefsdir	varchar2(255)		Stores the path to the User preferences directory associated with the project, defined on the Shared Data Directories tab of the Modify Project dialog box.
usrvectordir	varchar2(255)		Stores the path to the User Line (vector) data directory associated with the project, defined on the Shared Data Directories tab of the Modify Project dialog box.
vectordir	varchar2(255)		Stores the path to the Line (vector) Data directory associated with the project, defined on the Map Data Directories tab of the Modify Project dialog box.

Name	DataType	Constraint	Description
wmsdir	varchar2(255)		Stores the path to the WMS cache directory defined on the Shared Data Directories tab of the Modify Project dialog box.
wmsmaxdiskspace	integer		Stores the Max web disk space defined on the Map Data Directories tab of the Modify Project dialog box.
workingdatafolder	varchar2(255)		Stores the path to the Working data folder associated with the project, defined on the Map Data Directories tab of the Modify Project dialog box.
zone	integer		The Universal Transverse Mercator Zone, defined in the Coordinate System dialog box.

## Table PROJECTREGION

This table shows the column list:

Name	DataType	Constraint	Description
enabled	integer		Indicates whether the Restrict Load to Region option on the Region Load tab of the Project Settings dialog box has been selected (1) or not (0).
filename	varchar2(32)		FOR FUTURE USE.
name	varchar2(128)	not null	The name of the project.
projectnumber	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
region	regionload_ot_va		The coordinates of the region.
userkey	integer	not null	Stores a number indicating the user who created the object. The number is based on the order users were created in.

### Foreign Keys:

- FK1 (projectnumber) references the PROJECT table

## Table REF\_COLUMNS

This table shows the column list:

Name	DataType	Constraint	Description
column_name	varchar2(32)		The name of the column containing the foreign key.
constraint_name	varchar2(32)	not null	The name of the constraint found in the foreign table.
constraint_type	varchar2(1)		The type of constraint used.
position	number		The position of the column in the foreign table.
r_column	varchar2(32)		The name of the column referenced by the foreign key.
r_constraint_name	varchar2(32)		The name of the constraint in the referenced table.

Name	DataType	Constraint	Description
r_pos	number		The position of the column in the referenced table.
r_table	varchar2(32)		The name of the referenced table.
table_name	varchar2(32)	not null	The name of the foreign table.
table_type	varchar2(1)		The table type.

## Table SANDBOXGROUP

This table describes the column list:

Name	Data Type	Constraint	Description
grpkey	number	Not null	<b>Primary key</b> , storing a unique number for each sandbox group in the database.
sandboxusrkey	number	Not null	Identifies a user added to a sandbox in ENTERPRISE Administrator.

## Table SANDBOXUSER

This table describes the column list:

Name	Data Type	Constraint	Description
sandboxusrkey	number	Not null	Identifies a user added to a sandbox in ENTERPRISE Administrator.
usrkey	number	Not null	<b>Primary key</b> , storing a unique number for each sandbox group in the database.

## 6 Logical Network Database Tables

The following table describes the logical network database tables:

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + ...)	Diff Table?
CARRIEDTRAFFICDETAIL	Carried traffic amounts at the cell level	cartrafdetpk projectno	FK1 - lognodetypefk FK2 - termtypekeyfk FK3 - servicekeyfk	YES
CARRIEDTRAFFICTOTAL	Carried traffic amounts at the site level	carraftotpk projectno	FK1 - lognodetypefk	YES
FIVEGCELLCAR	5G cell carriers in logical networks	cellcarrierpk projectno	FK1 - logcellfk FK2 - carrierfk FK3 - cellparamsfk FK4 - rsi_schema_fk	NO
FIVEGCELLPARAMS	5G cell parameters in logical networks	cellparamspk logcellfk projectno	FK1 - logcellfk FK2 - indoorschemafk	NO
FIVENODECAR	5G node carriers in logical networks	carrierpk projectno	FK1 - configcarrierfk FK2 - .lognodefk - lognodetypefk	NO
GENERICNBR	Cell neighbours created in the projects	cellcarrierkey nbrcellcarrierkey nbrkey nbrtypefk parentkey projectno	FK1 - parenttypefk	YES
GENREPEATER	Repeaters, defined in the Site Database	lognodepk projectno	FK1 - lognodepk -lognodetypefk FK2 - lognodetypefk	YES
GENREPEATERFEEDER	Feeders attached to repeaters	projectno repeater-feederpk	FK1 - repeaterfk FK2 - logantennafk FK3 - siteaddressfk	YES
LOGATTACHMENT	Attachments in the logical network	attachpk projectno	FK1 - parentkey parenttype	YES
LOGCELL	All common elements of a cell element	logcellpk projectno	FK1 - lognodefk lognodetypefk FK2 - lognodetypefk FK3 - subtypefk FK4 - addressfk	YES

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + ...)	Diff Table?
LOGCELLFEEDER	Feeders in logical networks	cellfeedpk projectno	FK1 - logantennafk FK2 - logcellfk FK3 - addressfk	YES
LOGCONNECTION	Logical connections	logconnkey projectno	FK1 - lognodeafk FK2 - lognodebfk	YES
LOGCONNROUTE	Logical connection routes	connroutepk projectno	FK1 - logconnfk	YES
LOGCONNRTHOP	Logical connection route hops	projectno routehoppk	FK1 - logconnfk	YES
LOGCONNTRAFFIC	Logical connection traffic	logconnkey projectno	FK1 - logconnfk	YES
LOGICALANTENNA	Antenna details	logantennapk projectno	FK1 - lognodefk	YES
LOGIS95BSC	IS95 BSCs in logical networks	lognodepk projectno	FK1 - lognodepk	YES
LOGIS95CAR	IS95 carriers in logical networks	is95carpk projectno	FK1 - is95carpk FK2 - logsfk	YES
LOGIS95CLSITE	IS95 carrier layer sites in logical networks	is95bspk projectno	FK1 - is95clusterfk	YES
LOGIS95CLUSTER	IS95 clusters in logical networks	is95clusterpk projectno		YES
LOGIS95MSC	IS95 MSCs in logical networks	lognodepk projectno	FK1 - lognodepk	YES
LOGIS95SECCAR	IS95 sector carriers in logical networks	projectno seccarpk	FK1 - carrierfk FK2 - sectorfk	YES
LOGIS95SECTOR	IS95 sectors in logical networks	projectno sectorpk	FK1 - logcellfk FK2 - indoorschemafk	YES
LOGLTECAR	LTE carriers in logical networks	carrierpk projectno	FK1 - ltecarrierfk FK2 - lognodefk	YES
LOGLTECELL	LTE cells in logical networks	cellpk projectno	FK1 - logcellfk FK2 - indoorschemafk FK3 - schema_fk	YES
LOGLTECELLCAR	LTE cell carriers in logical networks	cellcarrierpk projectno	FK1 - ltecellfk	YES

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + ...)	Diff Table?
LOGLTECELLCARMBSFN	LTE cell carriers in logical networks			YES
LOGMME	MME nodes in logical networks	lognodepk projectno	FK1 - lognodepk FK2 - lognodetypefk	YES
LOGNETWORK	The logical network	lognetworkpk projectno	FK1 - parentfk only FK2 - networktypefk only	YES
LOGNODE	Logical nodes	lognodepk projectno	FK1 - lognodetypefk only FK2 - addressfk FK3 - lognetworkfk	YES
LOGNODETRAFFIC	Logical node traffic	projectno trafficpk	FK1 - lognodefk	YES
LOGNODETYPE	The logical node types in the network	lognode-typekey		NO
LOGPLMN	The logical PLMN network	lognetworkpk projectno	FK1 - lognetworkpk	YES
LOGRNC	Logical RNCs	lognodepk projectno	FK1 - lognodepk	YES
LOGSAEGW	SAEGW nodes in logical networks	logsaegwpk projectno	FK1 - lognodepk	YES
LOGUMTSCAR	UMTS carriers in logical networks	projectno umtscarpk	FK1 - lognodefk FK2 - tgcarrierfk	YES
LOGUMTSCELL	UMTS cells in logical networks	projectno umtscellpk	FK1 - logcellfk FK2 - indoorschemafk	YES
LOGUMTSCELLCAR	UMTS cell carriers in logical networks	projectno cellcarrierpk	FK1 - umtscellfk FK2 - carrierfk	YES
LOGWIFICAR	Wi-Fi carriers in logical networks	carrierpk projectno	FK1 - lognodefk FK2 - wificarrierfk	YES
LOGWIFICELL	Wi-Fi cells in logical networks	logcellpk carrierno	FK1 - logcellfk FK2 - indoorschemafk	YES
LOGWIFICELLCAR	Wi-Fi cell carriers in logical networks	cellcarrierpk projectno	FK1 - wificellfk FK2 - carrierfk	YES

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + ...)	Diff Table?
LOGWIMAXCAR	Fixed WiMAX carriers in logical networks	carrierpk projectno	FK1 - lognodefk FK2 - wimaxcarrierfk	YES
LOGWIMAXCELL	Fixed WiMAX cells in logical networks	cellpk projectno	FK1 - logcellfk FK2 - indoorschemafk	YES
LOGWIMAXCELLCAR	Fixed WiMAX cell carriers in logical networks	cellcarrierpk projectno	FK1 - wimaxcellfk FK2 - carrierfk	YES
LOGWIMAXMOBCAR	Mobile WiMAX carriers in logical networks	carrierpk projectno	FK1 - lognodefk FK2 - wimaxmobcarrierfk	YES
LOGWIMAXMOBCELL	Mobile WiMAX cells in logical networks	cellpk projectno	FK1 - logcellfk FK2 - indoorschemafk	YES
LOGWIMAXMOBCELLCAR	Mobile WiMAX cell carriers in logical networks	cellcarrierpk projectno	FK1 - wimaxmobcellfk FK2 - carrierfk	YES
MUNODE	Multi-technology nodes	lognodetypepk projectno	FK1 - lognodepk lognodetypefk FK2 - lognodetypefk FK3 - legacynode typefk	YES
PHYANTENNA	Physical Antennas	phyantennapk projectno	FK1 - addressfk	YES
PHYANTENNAPORT	Physical Antenna Ports	phyantenaport pk projectno	FK1 - phyantennafk	YES
SITEADDRESS	Address details for contacts, defined in the Property Management dialog box	cellkey projectno	FK1 - sitekey	YES
SITEADDRESS_GEOM		addresskey_fk projectno		NO

## Table CARRIEDTRAFFICDETAIL

This table shows the column list:

Name	DataType	Constraint	Description
cartrafdetpk	number(38)	not null	<b>Primary Key</b> , identifying the terminal/service pair for a cell in the Site Database.
interhothroughputdl	float		The Downlink Inter-Site HO % defined on the Carried Traffic Tab for CDMA and UMTS cells in the Site Database.
interhothroughputul	float		The Uplink Inter-Site HO % defined on the Carried Traffic Tab for CDMA and UMTS cells in the Site Database.
intrahothroughputdl	float		The Downlink Intra-Site HO % defined on the Carried Traffic Tab for CDMA and UMTS cells in the Site Database.
intrahothroughputul	float		The Uplink Intra-Site HO % defined on the Carried Traffic Tab for CDMA and UMTS cells in the Site Database.
lognodetypefk	number(38)	not null	Foreign key that identifies the logical node type.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
parentfk	number(38)	not null	Identifies the parent element in the logical network.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
protected	number(1)		Indicates whether the Protected option on the Carried Traffic Tab for a cell in the Site Database is selected(1) or not (0).
servicekeyfk	number(38)	not null	Foreign key that identifies the service type.
terminalcount	float		The number of terminals defined on the Carried Traffic Tab for a cell in the Site Database.
termtypekeyfk	number(38)	not null	Foreign key that identifies the service type.
throughputdl	float		The Download Total traffic in kbps defined on the Carried Traffic Tab for a cell in the Site Database.
throughputul	float		The Upload Total traffic in kbps defined on the Carried Traffic Tab for a cell in the Site Database.

### Foreign Keys:

- FK1 (lognodetypefk) references the LOGNODETYPE table
- FK2 (termtypekeyfk + projectno) references the TERMTYPE table
- FK3 (servicekeyfk + projectno) references the TGSERVICE table

## Table FIVEGCELLCAR

This table shows the column list:

Name	Data Type	Constraint	Description
admimothreshdltrafficssinr	float		The Adaptive SU-MIMO Download Traffic SINR value in dB defined on the Thresholds tab for a 5G cell on the Site Database.
admimothreshenabled	number(2)		Indicates whether the Adaptive MIMO SNR option is selected (1) or not (0). Defined on the Thresholds tab for a 5G cell on the Site Database.
admimothreshultrafficssinr	float		The Adaptive SU-MIMO Upload Traffic SINR value in dB defined on the Thresholds tab for a 5G cell on the Site Database.
assigned_first_rsi	number(3)		The First Assigned RSI value selected in the RSI Assignment pane of the RACH RSI tab for a 5G cell on the Site Database.
assigned_num_rsi	number(3)		The Number of Assigned RSIs defined in the RSI Assignment pane of the RACH RSI tab for a 5G cell on the Site Database.
bfthreshdltrafficssinr	float		The Beamforming Traffic Download Traffic SINR value in dB defined on the Thresholds tab for a 5G cell on the Site Database.
bfthreshenabled	number(2)		Indicates whether the Beamforming option is selected (1) or not (0). Defined on the Thresholds tab for a 5G cell on the Site Database.
bfthreshultrafficssinr	float		The Beamforming Upload Traffic SINR value in dB defined on the Thresholds tab for a 5G cell on the Site Database.
cacellidentity	varchar2(128)		The value entered in the CA Cell Identity field in the Carrier Aggregation pane of the General tab for a 5G cell on the Site Database.
carrierfk	number(38)	not null	Foreign key, identifying the carrier used from the 5G cell.
cellcaenabled	number(2)		Indicates whether the Enable CA option is selected (1) or not (0). Defined in the Carrier Aggregation pane of the General tab for a 5G cell on the Site Database.
cellcarrierpk	number(38)	not null	<b>Primary Key</b> , identifying the cell carrier.
cellid	number(38)		The Physical Cell ID defined on the General tab for a 5G cell on the Site Database.
cellparamsfk	number(38)	not null	Foreign key identifying cell parameters.
channelprotectiongsm	float	not null	The Channel Protection value in dB specified in the GSM column of the Inter-technology pane on the Cell Load tab for a 5G cell on the Site Database.
channelprotectionlte	float	not null	The Channel Protection value in dB specified in the LTE column of the Inter-technology pane on the Cell Load tab for a 5G cell on the Site Database.

Name	Data Type	Constraint	Description
channelprotectionumts	float	not null	The Channel Protection value in dB specified in the UMTS column of the Inter-technology pane on the Cell Load tab for a 5G cell on the Site Database.
channelprotectionwifi	float	not null	The Channel Protection value in dB specified in the Wi-Fi column of the Inter-technology pane on the Cell Load tab for a 5G cell on the Site Database.
codeschemakey	number(38)		Indicates the Schema setting, Unknown (0) or All (1) defined on the General tab for a 5G cell on the Site Database.
codeschematype	number(38)		Specifies the type of code schema used. Type(0) is unknown.
csirs	float		The Offset value in dB defined for CSI-RS in the Channel Settings pane of the Power tab for a 5G cell on the Site Database.
delay_spread	float		The Delay Spread in microseconds defined on the RACH RSI tab for a 5G cell in the Site Database.
dlloadpercentage	float		The DL Load (%) defined in the Cell Load Settings pane on the Cell Load tab for a 5G cell on the Site Database.
dlnoiserisetermgsm	float	not null	The DL Noise Rise (Terminals) value in dB specified in the GSM column of the Inter-technology pane on the Cell Load tab for a 5G cell on the Site Database.
dlnoiserisetermlte	float	not null	The DL Noise Rise (Terminals) value in dB specified in the LTE column of the Inter-technology pane on the Cell Load tab for a 5G cell on the Site Database.
dlnoiserisetermumts	float	not null	The DL Noise Rise (Terminals) value in dB specified in the UMTS column of the Inter-technology pane on the Cell Load tab for a 5G cell on the Site Database.
dlnoiserisetermwifi	float	not null	The DL Noise Rise (Terminals) value in dB specified in the Wi-Fi column of the Inter-technology pane on the Cell Load tab for a 5G cell on the Site Database.
highsinrlocationenabled	number(2)		Indicates whether Apply in high SINR locations is selected (1) or not (0) on the Scheduling sub-tab for a 5G cell on the Site Database.
lineofsightlocationenabled	number(2)		Indicates whether Apply in Line if Sight locations is selected (1) or not (0) on the Scheduling tab for a 5G cell on the Site Database.
logcellfk	number(38)	not null	Foreign key identifying the parent cell.
maxdlmodulation	number(38)		Indicates the selection from the Order drop-down list in the DL Highest Supported Modulation pane on the Thresholds tab for a 5G cell on the Site Database.
maxrange	float		The Max TA Range value in km defined on the Thresholds tab for a 5G cell on the Site Database.
maxscheduleusers	number(38)		The Number of Scheduled Users defined on the General tab for a 5G cell on the Site Database.

Name	Data Type	Constraint	Description
maxta	float		The Max TA Timing Advance value in msec defined on the Thresholds tab for a 5G cell on the Site Database.
maxtxpower	float		The Max Tx Power value in dBm defined on the General tab for a 5G cell on the Site Database.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
mumimothreshdltrafficssinr	float(2)		The MU-MIMO Download Traffic SINR value in dB defined on the Thresholds tab for a 5G cell on the Site Database.
mumimothreshenabled	number(2)		Indicates whether the MU-MIMO SNR option is selected (1) or not (0). Defined on the Thresholds tab for a 5G cell on the Site Database.
mumimothreshultrafficssinr	float		The MU-MIMO Upload Traffic SINR value in dB defined on the Thresholds tab for a 5G cell on the Site Database.
noisefigure	float		The Noise Figure in dB defined on the General tab for a 5G cell on the Site Database.
nonrayleighadjustment	float		The value of the MUG non-Rayleigh Adjustment entered on the Scheduling tab for a 5G cell on the Site Database.
pdcch	float		The Offset value in dB defined for PDCCH in the Channel Settings pane of the Power tab for a 5G cell on the Site Database.
pdsch	float		The Offset value in dB defined for PDSCH in the Channel Settings pane of the Power tab for a 5G cell on the Site Database.
prach_config_index	number(4)		The selection from the PRACH Config. Index drop-down in the PRACH Configuration pane of the RACH RSI tab for a 5G cell on the Site Database.
prach_fdm	number(4)		The selection from the PRACH FDM drop-down in the PRACH Configuration pane of the RACH RSI tab for a 5G cell on the Site Database.
prach_freq_start	number(4)		The selection from the PRACH Freq. Start drop-down in the PRACH Configuration pane of the RACH RSI tab for a 5G cell on the Site Database.
prach_ncs	number(3)		The Ncs value associated with the selection from the Zero Correlation Zone Config drop-down in the RSI Calculations pane of the RACH RSI tab for a 5G cell on the Site Database.
prach_restrictedset	number(2)		The selection from the Restricted Set Type drop-down in the PRACH Configuration pane of the RACH RSI tab for a 5G cell on the Site Database.
prach_subcarrier_spacing	float		The selection from the Subcarrier Spacing (kHz) drop-down in the PRACH Configuration pane of the RACH RSI tab for a 5G cell on the Site Database.
prach_zczc	number(2)		The selection from the Zero Correlation Zone Config drop-down in the RSI Calculations pane of the RACH RSI tab for a 5G cell on the Site Database.

Name	Data Type	Constraint	Description
preamble_format	number(2)		The selection from the Preamble Format drop-down in the PRACH Configuration pane of the RACH RSI tab for a 5G cell on the Site Database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
pss	float		The Offset value in dB defined for PSS in the Channel Settings pane of the Power tab for a 5G cell on the Site Database.
refsignalsnrthresh	float		The Reference Signal SNR value in dB defined on the Thresholds tab for a 5G cell on the Site Database.
refsignalsnrthreshenabled	number(2)		Indicates whether the reference Signal SNR option is selected (1) or not (0). Defined on the Thresholds tab for a 5G cell on the Site Database.
rsi_calc_method	number(1)		The calculation method (Required Range or Zero Correlation Zone Config) selected in the RSI Calculations Pane of the RACH RSI tab for a 5G cell on the Site Database.
rsi_schema_fk	number(38)		Foreign key identifying the associated rsi schema.
rsrpoffset	float		The value entered in the RSRP Offset (dB) field in the Cell Range Extension pane of the General tab for a 5G cell on the Site Database.
rsrpoffsetenabled	number(2)		Indicates whether the RSRP Offset (dB) option is selected (1) or not (0). Defined in the Cell Range Extension pane of the Thresholds tab for a 5G cell on the Site Database.
schedulerkey	number(38)		The Scheduler type, Round Robin (1), Max SINR (2), Proportional Fair (5) or Proportional Demand (6) defined on the General tab for a 5G cell on the Site Database.
sinrthreshold	float		The value of the SINR Threshold in dB entered on the Scheduling tab for a 5G cell on the Site Database.
ssbbeams	number(38)		the # of SSB Beams value defined in the Switched Beam Configuration pane of the AAS Settings tab for a 5G cell on the Site Database.
ssspbch	float		The PPRE value in dBm defined for SSS/PBCH in the Channel Settings pane of the Power tab for a 5G cell on the Site Database.
timingadvanceenabled	number(2)		Indicates whether the Timing Advance option is selected (1) or not (0). Defined on the Thresholds tab for a 5G cell on the Site Database.
timingadvancemode	number(38)		Indicates whether the Timing Advance mode is Max TA (0), or Max Range (1). Defined on the Thresholds tab for a 5G cell on the Site Database.
ulnoiserise	float		The UL Noise Rise (dB) value defined in the Cell Load Settings pane of the Cell Load tab for a 5G cell on the Site Database.
ulnoiserisecelltermgsm	float	not null	The UL Noise Rise (Cells and Terminals) value in dB specified in the GSM column of the Inter-technology pane on the Cell Load tab for a 5G cell on the Site Database.

Name	Data Type	Constraint	Description
ulnoiserisecelltermlte	float	not null	The UL Noise Rise (Cells and Terminals) value in dB specified in the LTE column of the Inter-technology pane on the Cell Load sub-tab for a 5G cell on the Site Database.
ulnoiserisecelltermumts	float	not null	The UL Noise Rise (Cells and Terminals) value in dB specified in the UMTS column of the Inter-technology pane on the Cell Load tab for a 5G cell on the Site Database.
ulnoiserisecelltermwifi	float	not null	The UL Noise Rise (Cells and Terminals) value in dB specified in the Wi-Fi column of the Inter-technology pane on the Cell Load tab for a 5G cell on the Site Database.

**Foreign Keys:**

- FK1 (projectno + logcellfk) references the LOGCELL table
- FK2 (projectno + carrierfk) references the FIVEGNODECAR table
- FK3 (projectno + cellparamsfk) references the FIVEGCELLPARAMS table
- FK4 (projectno + rsi\_schema\_fk) references the FIVEGRSISCHEMA table

**Table FIVEGCELLPARAMS**

This table shows the column list:

Name	DataType	Constraint	Description
activation	number(38)		Indicates whether the Active option is selected (1) or not (0) in the ASSET Design pane of the General tab for a 5G cell in the Site Database.
beamform arrayelems	number(38)		The # of Array Elements defined in the Beamforming pane of the AAS Settings tab for a 5G cell in the Site Database.
beamformer type	number(38)		The Beamformer Type: Adaptive (0), Passive (1) or Switched Beam (2) defined in the Beamforming pane of the AAS Settings tab for a 5G cell in the Site Database.
beamforming support	number(2)		Indicates whether the Downlink option is selected (1) or not (0) in the Beamforming pane of the AAS Settings tab for a 5G cell in the Site Database.
beamforming support_ul	number(2)		Indicates whether the Uplink option is selected (1) or not (0) in the Beamforming pane of the AAS Settings tab for a 5G cell in the Site Database.
beamform method_ul	number(38)		The UL Method: Max Signal (0) or Max SINR (1) defined in the Beamforming pane of the AAS Settings tab for a 5G cell in the Site Database.
cellid	number(38)		The Cell Identity, defined on the General tab for a 5G cell in the Site Database.
cellidhigh	number(38)		Additional provision to accommodate 36bit NCI codes for the Cell Identity, defined on the General tab for a 5G cell in the Site Database.
celloVERRIDE colorref	number(38)		Indicates whether the Override option in the Service Area Colour pane of the General tab for a 5G cell in the Site Database is selected (1) or not (0).
cellparamsfk	number(38)	not null	<b>Primary key</b> , identifying cell parameters.

Name	DataType	Constraint	Description
crangroup	varchar2(128)		The C-RAN Group ID defined in the C-RAN pane of the General tab for a 5G cell in the Site Database.
csarea	float	not null	The Cell Service Area in square kilometres defined in the Cell Service pane of the General tab for a 5G cell in the Site Database.
csrange	float	not null	The Cell Service Range in kilometres defined in the Cell Service pane of the General tab for a 5G cell in the Site Database.
indoor schemafk	number(38)	not null	Stores a unique identifier for a schema listed in the Schema Name column of the Clutter Losses dialog box opened by selecting Indoor Loss under Clutter Parameters from the Configuration menu on the ASSET tab.
logcellfk	number(38)	not null	<b>Primary key</b> , storing a unique number for each logical cell in the database.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
mumimodl support	number(2)		Indicates whether the Downlink option is selected (1) or not (0) in the MU-MIMO pane of the AAS Settings tab for a 5G cell in the Site Database.
mumimodl terms	float		The number of Average Co-scheduled Terminals defined for the Downlink in the MU-MIMO pane of the AAS Settings tab for a 5G cell in the Site Database.
mumimoul support	number(2)		Indicates whether the Uplink option is selected (1) or not (0) in the MU-MIMO pane of the AAS Settings tab for a 5G cell in the Site Database.
mumimoul terms	float		The number of Average Co-scheduled Terminals defined for the Uplink in the MU-MIMO pane of the AAS Settings tab for a 5G cell in the Site Database.
nbrlimit alltechs	number(38)		FOR FUTURE USE.
nbrlimit intercdma	number(38)		FOR FUTURE USE.
nbrlimit intergsm	number(38)		FOR FUTURE USE.
nbrlimit interlte	number(38)		FOR FUTURE USE.
nbrlimit interumts	number(38)		FOR FUTURE USE.
nbrlimit intrainterp	number(38)		FOR FUTURE USE.
nbrlimit intraintra	number(38)		FOR FUTURE USE.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
secname	varchar2(128)		The Cell Name or sector name, defined on the General tab for a cell or sector in the Site Database.

Name	DataType	Constraint	Description
signalling overhead	float		The percentage signalling overhead defined on the Carried Traffic tab for a 5G cell in the Site Database.
sumimo spatialmode	number(38)		Indicates whether the Diversity (0), Multiplexing (1) or Adaptive Switching (2) option is selected for the Downlink in the SU-MIMO pane of the AAS Settings tab for a 5G cell in the Site Database.
sumimodl support	number(2)		Indicates whether the Downlink option is selected (1) or not (0) in the SU-MIMO pane of the AAS Settings tab for a 5G cell in the Site Database.
sumimorx elems	number(38)		The # of Rx Elements defined for the Uplink in the SU-MIMO pane of the AAS Settings tab for a 5G cell in the Site Database.
sumimotx elems	number(38)		The # of Tx Elements defined for the Downlink in the SU-MIMO pane of the AAS Settings tab for a 5G cell in the Site Database.
sumimoul spatialmode	number(38)		Indicates whether the Diversity (0), Multiplexing (1) or Adaptive Switching (2) option is selected for the Uplink in the SU-MIMO pane of the AAS Settings tab for a 5G cell in the Site Database.
sumimoul support	number(2)		Indicates whether the Uplink option is selected (1) or not (0) in the MU-MIMO pane of the AAS Settings tab for a 5G cell in the Site Database.
tac	number(38)		The TAC defined in the 5G Parameters pane of the General tab for a 5G cell on the Site Database.

**Foreign Keys:**

- FK1 (projectno + logcellfk) references the LOGCELL table
- FK2 (projectno + indoorschemafk) references the TGCLUTTERLOSSSCHEMA table

**Table FIVEGNODECAR**

This table shows the column list:

Name	DataType	Constraint	Description
carrierpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each LTE carrier in the database.
configcarrierfk	number(38)	not null	Foreign key, identifying the carrier used from the 5G node.
lognodefk	number(38)	not null	Stores a unique number, associating the logical LTE carrier with a particular logical node.
lognodedtypefk	number(38)	not null	Foreign key referencing the MUNODE table.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.

**Foreign Keys:**

- FK1 (projectno + configcarrierfk) references the FIVEGCARRIER table
- FK2 (projectno + lognodefk + lognodedtypefk) references the MUNODE table

## Table CARRIEDTRAFFICTOTAL

This table shows the column list:

Name	DataType	Constraint	Description
capacity	float		The Transmission Capacity in Mbps defined in the Capacity Status pane of the Carried Traffic tab
carrafftotpk	number(38)	not null	<b>Primary Key</b> , identifying the carried traffic override for a site in the Site Database.
interhothroughputdl_cs	float		The Downlink Inter-Site HO % defined in the CS Traffic Pane on the Carried Traffic Tab for CDMA and UMTS Sites in the Site Database.
interhothroughputdl_ps	float		The Downlink Inter-Site HO % defined in the PS Traffic Pane on the Carried Traffic Tab for CDMA and UMTS Sites in the Site Database.
interhothroughputul_cs	float		The Uplink Inter-Site HO % defined in the CS Traffic Pane on the Carried Traffic Tab for CDMA and UMTS Sites in the Site Database.
interhothroughputul_ps	float		The Uplink Inter-Site HO % defined in the PS Traffic Pane on the Carried Traffic Tab for CDMA and UMTS Sites in the Site Database.
lognodefk	number(38)	not null	Foreign key that identifies the logical node type.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
override_cs	number(1)		Indicates whether the Auto Aggregate option is selected (0) or not (1) in the CS Traffic pane of the Carried Traffic tab for a Site in the Site Database.
override_ps	number(1)		Indicates whether the Auto Aggregate option is selected (0) or not (1) in the PS Traffic pane of the Carried Traffic tab for a Site in the Site Database.
parentfk	number(38)	not null	Identifies the parent element in the logical network.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
protected_cs	number(1)		Indicates whether the Protected option in the CS Traffic pane on the Carried Traffic Tab for a Site in the Site Database is selected(1) or not (0).
protected_ps	number(1)		Indicates whether the Protected option in the PS Traffic pane on the Carried Traffic Tab for a Site in the Site Database is selected(1) or not (0).
signalling_overhead	float		The Signalling Overhead percentage defined on the Carried Traffic Tab for a Site in the Site Database.
technology	number(38)		Indicates the technology of the site. For example 257 = UMTS.
terminalcount_cs	float		The number of terminals defined in the CS Traffic Pane on the Carried Traffic Tab for a Site in the Site Database.
terminalcount_ps	float		The number of terminals defined in the PS Traffic Pane on the Carried Traffic Tab for a Site in the Site Database.
throughputdl_cs	float		The Downlink Total Traffic in kbps defined in the CS Traffic Pane on the Carried Traffic Tab for a Site in the Site Database.

Name	DataType	Constraint	Description
throughputdl_ps	float		The Downlink Total Traffic in kbps defined in the PS Traffic Pane on the Carried Traffic Tab for a Site in the Site Database.
throughputul_cs	float		The Uplink Total Traffic in kbps defined in the CS Traffic Pane on the Carried Traffic Tab for a Site in the Site Database.
throughputul_ps	float		The Uplink Total Traffic in kbps defined in the PS Traffic Pane on the Carried Traffic Tab for a Site in the Site Database.

**Foreign Keys:**

- FK1 (lognodeltypefk) references the LOGNODETYPE table

**Table GENERICNBR**

This table shows the column list:

Name	DataType	Constraint	Description
cellcarrierkey	number(38)	not null	<b>Primary key</b> , storing a unique number associating a particular carrier with the outward neighbour.
direction	number(38)		Neighbour relations are stored as "outward neighbour". This value will always be 2.
handovertype	number(38)		The handover type.
margin	number(38)		The margin of the neighbour (in dB), defined on the Neighbour tab for a cell in the Site Database.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
nbrcellcarrierkey	number(38)	not null	<b>Primary key</b> , storing a unique number associating a particular carrier with the inward neighbour.
nbrkey	number(38)	not null	<b>Primary key</b> , storing a unique number for each inward neighbour in the database.
nbrtypefk	number(38)	not null	<b>Primary key</b> , storing a number identifying the technology type of the inward neighbour. The possible values are described below.
parentkey	number(38)	not null	<b>Primary key</b> , storing a unique number for each outward neighbour in the database.
parenttypefk	number(38)	not null	Foreign key, storing a number identifying the technology type of the outward neighbour. The possible values are described below.
planned_status	number(38)		A number indicating the planning status of each neighbour in the database (0= Planned or 1 = Live).
priority	number(38)		A number indicating the priority of each neighbour in the database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
protected	number(38)		A number indicating whether the neighbour is protected (1) or not (0).

The seven primary keys in this table reference various other tables depending on the technology applicable, as follows:

<b>nbrtechfk/ parenttechfk</b>	<b>parentkey/nbrkey</b>	<b>carrierkey/nrcarrierkey</b>
5107 (GSM)	LOGCELL.LOGCELLPK, LOGUMTSCELL.LOGCELLPK	Not Applicable
2502 (CDMA)	LOGCELL.LOGCELLPK, LOGIS95SECTOR.LOGCELLPK	LOGIS95SECCAR.SECCARPK
2302 (UMTS)	LOGCELL.LOGCELLPK LOGUMTSCELL.LOGCELLPK	LOGUMTSCELLCAR.CELLCARRIERPK
11005 (LTE)	LOGCELL.LOGCELLPK LOGLTECELL.LOGCELLPK	LOGLTECELLCAR.CELLCARRIERPK
2312 (MOBILE WIMAX)	LOGCELL.LOGCELLPK LOGWIMAXMOBCELL.LOGCELLPK	LOGWIMAXMOBCELLCAR.CELLCARRIERPK

## Table GENREPEATER

This table shows the column list:

<b>Name</b>	<b>DataType</b>	<b>Constraint</b>	<b>Description</b>
activetechs	number(38)	not null	Indicates the supported technologies defined in the Supported Technologies pane of the General tab for a repeater in the Site Database. (-1) shows that the All Supported Technologies option is selected. (0) shows that the Specified Technologies option is selected but that no individual technology checkboxes have been ticked. Other numbers indicate individual technology selections (GSM 208, LTE 8192, UMTS 257, CDMA 14) and multiple individual technology selections (for example CDMA and GSM 222).
btsfixed	number(38)		NOT USED.
btskey	number(38)		Stores a unique number, associating the repeater with a particular BTS.
cabinkey	number(38)		Stores a unique number, associating a particular cabin with the repeater.
calcmethod	number(38)	not null	Indicates the selected output signal calculation method for an LTE repeater - either Specify DL Gain (0) or Specify Output Power (1).  This is defined on the Config tab for an LTE repeater in the Site Database.
cellfk	number(38)	not null	Stores a unique number associating the repeater with a particular cell.
dlgain	float		The downlink gain (in dB) of the repeater, defined on the Config tab for a repeater in the Site Database.
lognodepk	number(38)	not null	<b>Primary key</b> , storing a unique number associating the repeater with a particular logical node.
lognodetypefk	number(38)	not null	Stores a unique number, associating the repeater with a particular logical node type.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.

Name	DataType	Constraint	Description
towerkey	number(38)		Stores a unique number associating the repeater with a particular mast.
ulgain	float		The uplink gain (in dB) of the repeater, defined on the Config tab for a repeater in the Site Database.
ulnoisefactor	float		The uplink noise (in dB) of the repeater, defined on the Config tab for a repeater in the Site Database.

**Foreign Keys:**

- FK1 (projectno + lognodepk + lognodetypefk) references the LOGNODE table
- FK2 (lognodetypefk) references the LOGNODETYPE table

**Table GENREPEATERFEEDER**

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
feederfk	number(38)	not null	References the link between the repeater and the feeder type.
feederlength	float		The Feeder length in metres defined in the Receiver (from parent cell) pane of the Config tab for a repeater in the Site Database.
feedertype	number(38)	not null	Stores information about the type of feeder used.
logantennafk			Foreign key, referencing the LOGICALANTENNA table.
mastheadampfk	number(38)	not null	References the link between the repeater and the mast head amplifier.
mhagain_db	float		Stores the mast head amplifier gain difference in dB.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
objecttype	number(38)	not null	Distinguishes between objects in the database.
outputpower	float		The Output Power in dBm defined on the Config tab for a repeater in the Site Database.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
repeaterfeederpk	number(38)	not null	<b>Primary key</b> field, storing the unique identifier for a repeater feeder.
repeaterfk	number(38)	not null	References a repeater to a feeder.

Name	DataType	Constraint	Description
rxdiversity	number(38)		Indicates whether the RX Diversity option has been selected for the feeder (1) or not (0).
rxsignal	float		The RX Signal in dBm defined on the Config tab for a repeater in the Site Database.
rxsignalspecified	number(2)		Indicates whether the RX Signal has been specified (1) or predicted (0). This is defined on the Config tab for an LTE repeater in the Site Database.
rxthreshold	float		The Rx Threshold in dBm defined on the Config tab for a repeater in the Site Database.
rxthresholdenabled	number(38)		Indicates whether the Specify RX Threshold option is selected (1) or not (0) on the Config tab for a repeater in the Site Database.
siteaddressfk	number(38)	not null	Foreign key referencing the SITEADDRESS table.
txdiversity	number(38)		Indicates whether the TX Diversity option has been selected for the feeder (1) or not (0).
usergroup	number(38)		Stores the default user group at the time the object was created.

**Foreign Keys:**

- FK1 (repeaterfk + projectno) references the GENREPEATER table
- FK2 (logantennafk + projectno) references the LOGICALANTENNA table
- FK3 (siteaddressfk + projectno) references the SITEADDRESS table

## Table LOGATTACHMENT

This table shows the column list:

Name	DataType	Constraint	Description
attachpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each attachment in the database.
comments	varchar2 (255)		Optional description that can be added to each attachment.
filename	varchar2 (255)		Stores the file path to the attachment on the logical node, defined on the Attachments tab of the logical node dialog box.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
parentkey	number(38)	not null	<b>Primary key</b> , storing a unique number associating the attachment with a particular logical node.
parenttype	number(38)	not null	Stores a unique number, associating the logical node with a particular parent element.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.

**Foreign Keys:**

- FK1 (projectno + parentkey + parenttype) references the LOGNODE table

## Table LOGCELL

This table shows the column list:

Name	DataType	Constraint	Description
active technology	number(38)	not null	Indicates the Active Technology selected in the Identity pane of the Active tab for a cell in the Site Database.
addressfk	number(38)	not null	Foreign key referencing the SITEADDRESS table.
createdate	date		The date when the object was created.
idname	varchar2(128)	not null	The cell or sector identity, defined on the General tab for a cell or sector in the Site Database.
logcellpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each logical cell in the database.
lognodefk	number(38)	not null	Stores a unique number associating the cell or sector with its parent.
lognodeltypefk	number(38)	not null	Stores a unique number, associating the logical cell with a particular logical node type.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
subtypefk	number(38)	not null	Foreign key referencing the subtype.
supported technology data	number(38)	not null	Indicates whether the Technology Supported option is selected at the top of the technology tab for a cell in the Site Database.
visibility	number(38)		Three digit code that provides the read permissions for the user, the default group they belong to and all other users. For more information on this, see the ENTERPRISE Installation and Administration Guide.
visibilitygroup	number(38)		Stores a number indicating the user group associated with the user with read permissions for this object.

### Foreign Keys:

- FK1 (projectno + lognodefk + lognodeltypefk) references the LOGNODE table
- FK2 (lognodeltypefk) references the LOGNODETYPE table
- FK3 (subtypefk) references the LOGNODETYPE table
- FK4 (projectno + addressfk) references the SITEADDRESS table

## Table LOGCELLFEEDER

This table shows the column list:

Name	Data Type	Constraint	Description
addressfk	number(38)	not null	Foreign key referencing the SITEADDRESS table.
cdmaactive	number(38)		Indicates whether the CDMA option is selected (1) or not (0) in the Technologies column of the Antennas tab for a cell supporting CDMA in the Site Database.
cdmadlgain	float		The Downlink Gain (in dB), defined on the Antennas tab for a cell supporting CDMA in the Site Database.
cdmanoise	float		The Noise Figure (in dB), defined on the Antennas tab for a cell supporting CDMA in the Site Database.
cdmaotherlosses	float		The Other Downlink Losses (in dB), defined on the Antennas tab for a cell supporting CDMA in the Site Database.
cdmarxdiversity	number(38)		Indicates whether the RX Diversity option has been selected (1) or not (0). This is defined on the Antennas tab for a cell supporting CDMA in the Site Database.
cdmatxdiversity	number(38)		Indicates whether the TX Diversity option has been selected (1) or not (0). This is defined on the Antennas tab for a cell supporting CDMA in the Site Database.
cdmaulgain	float		The Uplink Gain (in dB), defined on the Antennas tab for a cell supporting CDMA in the Site Database.
cellfeedpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each feeder in the database.
feederfk	number(38)	not null	Indicates the Feeder Type, specified on the Antennas tab for a cell supporting LTE in the Site Database. Unknown(0), otherwise a unique seven digit number.
feederlen	float		The Feeder Length (in m), defined on the Antennas tab for a cell supporting LTE in the Site Database.
fivegactive	number(38)		Indicates whether the CDMA option is selected (1) or not (0) in the Technologies column of the Antennas tab for a cell supporting CDMA in the Site Database.
gsm1celllayerfk	number(38)	not null	Cell layer key for first GSM sub cell.
gsm1primodelfk	number(38)	not null	Primary prediction model key for first GSM subcell.
gsm1secmodelfk	number(38)	not null	Secondary prediction model key for first GSM subcell.
gsm2celllayerfk	number(38)	not null	Cell layer key for second GSM sub cell.
gsm2primodelfk	number(38)	not null	Primary prediction model key for second GSM subcell.
gsm2secmodelfk	number(38)	not null	Secondary prediction model key for second GSM subcell.
gsm3celllayerfk	number(38)	not null	Cell layer key for third GSM sub cell.
gsm3primodelfk	number(38)	not null	Primary prediction model key for third GSM subcell.
gsm3secmodelfk	number(38)	not null	Secondary prediction model key for third GSM subcell.
gsm4celllayerfk	number(38)	not null	Cell layer key for fourth GSM sub cell.
gsm4primodelfk	number(38)	not null	Primary prediction model key for fourth GSM subcell.
gsm4secmodelfk	number(38)	not null	Secondary prediction model key for fourth GSM subcell.
gsm5celllayerfk	number(38)	not null	Cell layer key for fifth GSM sub cell.

Name	Data Type	Constraint	Description
gsm5primodelfk	number(38)	not null	Primary prediction model key for fifth GSM subcell.
gsm5secmodelfk	number(38)	not null	Secondary prediction model key for fifth GSM subcell.
gsmactive	number(38)	not null	Indicates whether the GSM [GSM-Default] option is selected (1) or not (0) in the Technologies column of the Antennas tab for a cell supporting GSM in the Site Database.
logantennafk	number(38)	not null	Foreign key referencing the LOGICALANTENNA table.
logcellfk	number(38)	not null	Foreign key referencing the LOGLTECELL table.
lteactive	number(38)		Indicates whether the LTE option is selected (1) or not (0) in the Technologies column of the Antennas tab for a cell supporting LTE in the Site Database.
ltedlbgain	float		The Downlink Gain (in dB), defined on the Antennas tab for a cell supporting LTE in the Site Database.
ltenoise	float		The Noise Figure (in dB), defined on the Antennas tab for a cell supporting LTE in the Site Database.
lteotherlosses	float		The Other Downlink Losses (in dB), defined on the Antennas tab for a cell supporting LTE in the Site Database.
lteulgain	float		The Uplink Gain (in dB), defined on the Antennas tab for a cell supporting LTE in the Site Database.
mhafk	number(38)	not null	Indicates the MHA Type, specified on the Antennas tab for a cell supporting LTE in the Site Database. None(0), otherwise a unique seven digit number.
mhagain	float		The MHA Gain (in dB), defined on the Antennas tab for a cell supporting LTE in the Site Database.
mobwimaxaaasupport	number(38)		Indicates whether the Beamforming option is selected (1) or not (0) on the Mobile WiMAX sub tab of the Antennas tab for cell supporting Mobile WiMAX in the Site Database.
mobwimaxactive	number(38)		Indicates whether the Mobile WiMAX option is selected (1) or not (0) in the Technologies column of the Antennas tab for a cell supporting Mobile WiMAX in the Site Database.
mobwimaxdlgain	float		The Downlink Gain (in dB), defined on the Antennas tab for a cell supporting Mobile WiMAX in the Site Database.
mobwimaxdlintf	float		The DL Interference Rejection Factor between 0 and 1 defined on the Antennas tab for a cell supporting Mobile WiMAX in the Site Database.
mobwimaxdlmimemode	number(38)		Indicates the download MIMO mode: (0) Spatial Diversity, (1) Spatial Multiplexing, (2) Dynamic, on the Antennas tab for a cell supporting Mobile WiMAX in the Site Database.
mobwimaxdlmimosupport	number(38)		Indicates whether the MIMO Support option is selected (1) or not (0) on the Antennas tab for a cell supporting Mobile WiMAX in the Site Database.
mobwimaxmimorxelem	number(38)		The # of RX Elements defined on the Antennas tab for a cell supporting Mobile WiMAX in the Site Database.
mobwimaxmimotxelem	number(38)		The # of TX Elements defined on the Antennas tab for a cell supporting Mobile WiMAX in the Site Database.
mobwimaxnoaaaselem	number(38)		The # of Elements for Beamforming defined on the Antennas tab for a cell supporting Mobile WiMAX in the Site Database.

Name	Data Type	Constraint	Description
mobwimaxnoise	float		The Noise Figure (in dB), defined on the Antennas tab for a cell supporting Mobile WiMAX in the Site Database.
mobwimaxother losses	float		The Other Downlink Losses (in dB), defined on the Antennas tab for a cell supporting Mobile WiMAX in the Site Database.
mobwimaxulcollab mplx	number(38)		Indicates whether the UL Collaborative Multiplexing option is selected (1) or not (0) on the Antennas tab for a cell supporting Mobile WiMAX in the Site Database.
mobwimaxuldiv support	number(38)		Indicates whether the UL Diversity Support option is selected (1) or not (0) on the Antennas tab for a cell supporting Mobile WiMAX in the Site Database.
mobwimaxulgain	float		The Uplink Gain (in dB), defined on the Antennas tab for a cell supporting Mobile WiMAX in the Site Database.
mobwimaxulintf	float		The UL Interference Rejection Factor between 0 and 1 defined on the Antennas tab for a cell supporting Mobile WiMAX in the Site Database.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
umtsactive	number(38)		Indicates whether the UMTS option is selected (1) or not (0) in the Technologies column of the Antennas tab for a cell supporting UMTS in the Site Database.
umtsdligain	float		The Downlink Gain (in dB), defined on the Antennas tab for a cell supporting UMTS in the Site Database.
umtsdlmimomode	number(38)		Indicates whether the DL Multiplexing and UL Diversity options (1) or DL Multiplexing and UL Diversity options (2), or none of the options (0), are selected on the Antennas tab for a cell supporting UMTS in the Site Database.
umtsdlmimo support	number(38)		Indicates whether the Advanced Antenna Settings are selected (1) or not (0) on the Antennas tab for a cell supporting UMTS in the Site Database.
umtsmimorxelem	number(38)		The # of RX Elements defined on the Antennas tab for a cell supporting UMTS in the Site Database.
umtsmimotxelem	number(38)		The # of TX Elements defined on the Antennas tab for a cell supporting UMTS in the Site Database.
umtsnoise	float		The Noise Figure (in dB), defined on the Antennas tab for a cell supporting UMTS in the Site Database.
umtsotherlosses	float		The Other Downlink Losses (in dB), defined on the Antennas tab for a cell supporting UMTS in the Site Database.
umtsrxdiversity	number(38)		Indicates whether the RX Diversity option has been selected (1) or not (0). This is defined on the Antennas tab for a cell supporting UMTS in the Site Database.
umtstxdiversity	number(38)		Indicates whether the TX Diversity option has been selected (1) or not (0). This is defined on the Antennas tab for a cell supporting UMTS in the Site Database.
umtsulgain	float		The Uplink Gain (in dB), defined on the Antennas tab for a cell supporting UMTS in the Site Database.

Name	Data Type	Constraint	Description
wifiactive	number(38)		Indicates whether the Wi-Fi option is selected (1) or not (0) in the Technologies column of the Antennas tab for a cell supporting Wi-Fi in the Site Database.
wimaxactive	number(38)		Indicates whether the Fixed WiMAX option is selected (1) or not (0) in the Technologies column of the Antennas tab for a cell supporting Fixed WiMAX in the Site Database.
wimaxrxdiversity	number(38)		Indicates whether the RX Diversity option has been selected (1) or not (0). This is defined on the Antennas tab for a cell supporting Fixed WiMAX in the Site Database.
wimaxtxdiversity	number(38)		Indicates whether the TX Diversity option has been selected (1) or not (0). This is defined on the Antennas tab for a cell supporting Fixed WiMAX in the Site Database.

**Foreign Keys:**

- FK1 (projectno + logantennafk) references the LOGICALANTENNA table
- FK2 (projectno + logcellfk) references the LOGCELL table
- FK3 (projectno + addressfk) references the SITEADDRESS table

**Table LOGCONNECTION**

This table shows the column list:

Name	Data Type	Constraint	Description
conntype	number(38)	not null	Indicates the type of connection.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(256)		The name of the connection.
logconnkey	number(38)	not null	<b>Primary key</b> , storing a unique number for each connection in the database.
lognodeafk	number(38)	not null	Stores a unique number, identifying the logical node at linkend A.
lognodebfk	number(38)	not null	Stores a unique number, identifying the logical node at linkend B.
lognodetypeafk	number(38)	not null	Identifies the type of the node at end A of the logical connection.
lognodetypebfk	number(38)	not null	Identifies the type of the node at end B of the logical connection.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
permission	number(3)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.

Name	Data Type	Constraint	Description
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
technology	number(38)	not null	Indicates the technology type. For example 257 = UMTS.
usercomment	varchar2(255)		Stores any optional comments about the connection.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.
visibility	number(38)		Three digit code that provides the read permissions for the user, the default group they belong to and all other users. For more information on this, see the ENTERPRISE Installation and Administration Guide.
visibilitygroup	number(38)		Stores a number indicating the user group associated with the user with read permissions for this object.

**Foreign Keys:**

- FK1 (projectno + lognodeafk) references the LOGNODE table
- FK2 (projectno + lognodebfk) references the LOGNODE table

**Table LOGCONNROUTE**

This table shows the column list:

Name	Data Type	Constraint	Description
connroutepk	number(38)	not null	<b>Primary key</b> , storing a unique number for each connection route in the database.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
indexno	number(38)		Stores the route's index number.
logconnfk	number(38)	not null	Stores a unique number, associating a particular logical connection with the connection route.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usercomment	varchar2(255)		Optional description that can be added to each attachment.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

**Foreign Keys:**

- FK1 (projectno + logconnfk) references the LOGCONNECTION table

## Table LOGCONNRTTHOP

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
Indexno	number(38)		Indicates the position in the hop sequence.
linkfk	number(38)	not null	Stores a unique number, associating the route hop with a particular link.
logconnfk	number(38)	not null	Stores a unique number, associating the route hop with a particular logical connection.
logconnrtfk	number(38)	not null	Stores a unique number, associating the route hop with a particular connection route.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
routehoppk	number(38)	not null	<b>Primary key</b> , storing a unique number for each route hop.
startend	number(38)		Indicates whether is start point A (0) or end point B (1).
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

### Foreign Keys:

- FK1 (projectno + logconnrtfk) references the LOGCONNROUTE table

## Table LOGCONNTRAFFIC

This table shows the column list:

Name	Data Type	Constraint	Description
atobcstrafmbps	float		The CS traffic from End A -> End B (in mbps), defined on the Traffic tab of the Logical/Cellular Connection Database.
atobpstrafmbps	float		The PS traffic from End A -> End B (in mbps), defined on the Traffic tab of the Logical/Cellular Connection Database.
atobtottrafmbps	float		The total (CS + PS) traffic from End A -> End B (in mbps), defined on the Traffic tab of the Logical/Cellular Connection Database.

Name	Data Type	Constraint	Description
btoacstrafmbps	float		The CS traffic from End B -> End A (in mbps), defined on the Traffic tab of the Logical/Cellular Connection Database.
btoapstrafmbps	float		The PS traffic from End B -> End A (in mbps), defined on the Traffic tab of the Logical/Cellular Connection Database.
btoatotraffmbps	float		The total (CS + PS) traffic from End B -> End A (in mbps), defined on the Traffic tab of the Logical/Cellular Connection Database.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
endadlcsperc	float		The End A DL Percentage for CS traffic (in %), defined on the Traffic tab of the Logical/Cellular Connection Database.
endadlpsperc	float		The End A DL Percentage for PS traffic (in %), defined on the Traffic tab of the Logical/Cellular Connection Database.
endaulcsperc	float		The End A UL Percentage for CS traffic (in %), defined on the Traffic tab of the Logical/Cellular Connection Database.
endaulpperc	float		The End A UL Percentage for PS traffic (in %), defined on the Traffic tab of the Logical/Cellular Connection Database.
endbdlcsperc	float		The End B DL Percentage for CS traffic (in %), defined on the Traffic tab of the Logical/Cellular Connection Database.
endbdlpsperc	float		The End B DL Percentage for PS traffic (in %), defined on the Traffic tab of the Logical/Cellular Connection Database.
endbulcsperc	float		The End B UL Percentage for CS traffic (in %), defined on the Traffic tab of the Logical/Cellular Connection Database.
endbulpsperc	float		The End B UL Percentage for PS traffic (in %), defined on the Traffic tab of the Logical/Cellular Connection Database.
logconnfk	number(38)	not null	Stores a unique number, associating the traffic with a particular logical connection.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
override	number(38)		Indicates whether the Override Logical Traffic option has been selected (1) or not (0). The option is selected on the Traffic tab of the Logical/Cellular Connection Database.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
trafficpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each logical connection traffic.

Name	Data Type	Constraint	Description
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

**Foreign Keys:**

- FK1 (projectno + logconnnfk) references the LOGCONNECTION table

**Table LOGICALANTENNA**

This table shows the column list:

Name	Data Type	Constraint	Description
addressfk	number(38)	not null	Foreign key storing the ID of the Property to which the Logical Antenna belongs
antgroupfk	number(38)		Stores a unique number, indicating the antenna group used.
anttypefixed	number(38)		Stores a number indicating the antenna status on the Logical Antennas tab for a property in the Site Database:  0 - Antenna Device and Antenna Pattern are not fixed 2 - Antenna Device fixed 3 - Antenna Device and Antenna Pattern fixed
anttypefk	number(38)	not null	Stores a unique number, indicating the antenna used.
corrfactor	float		The Antenna Correction (Corr. Gain) Factor (in dB), defined on the Logical Antennas tab for a property in the Site Database.
diplexers	varchar2(512)		Represents the diplexers in the connection path to a cell, shown on the Physical Antennas tab for a property in the Site Database.
electiltstep	number(38)		Indicates the Electrical Tilt Step value defined on the Logical Antennas tab for a property in the Site Database.
electiltstepfixed	number(38)		Indicates whether the Electrical Tilt Step Fixed option is selected (1) or not (0) on the Logical Antennas tab for a property in the Site Database.
indexno	number(38)		A number used to sequence the antennas.  This number is created when the antenna is added and is a static value that does not get updated if antennas are removed. This means that the values can be non-sequential.

Name	Data Type	Constraint	Description
inheritmasterpattern	number(38)		<p>Indicates the choice in the Inherit Pattern column on the Logical Antennas tab in the Site Database as follows:</p> <p>0 = Do not inherit a master pattern and use the antenna type identified by the anttypefk value in this table above.</p> <p>1 = Inherit the master pattern indicated by the masterpattern1fk value in the PHYANTENNA table.</p> <p>2 = Inherit the master pattern indicated by the masterpattern2fk value in the PHYANTENNA table.</p> <p>3 = Inherit the master pattern indicated by the masterpattern3fk value in the PHYANTENNA table.</p> <p>4 = Inherit the master pattern indicated by the masterpattern4fk value in the PHYANTENNA table.</p>
instanceid	varchar2(128)		The Instance ID defined on the Logical Antennas tab for a property in the Site Database.
isrepeater	number(38)		Indicates whether the Connected Repeater option is selected (1) or not (0) on the Logical Antennas tab for a property in the Site Database.
legacynodeindex	number(38)		Indicates the original index number for databases created by upgrade from versions earlier than 9.1.
legacynodetypefk	number(38)		Indicates the source technology type for databases created by upgrade from versions earlier than 9.1.
logantennapk	number(38)	not null	Stores a unique number, associating the antenna with a particular logical node.
maxelectilt	number(38)		Indicates the Maximum Electrical Tilt value defined on the Logical Antennas tab for a property in the Site Database.
maxelectiltfixed	number(38)		Indicates whether the Maximum Electrical Tilt Fixed option is selected (1) or not (0) on the Logical Antennas tab for a property in the Site Database.
maxlobetilt	number(38)		Indicates the Maximum Total Downtilt value defined on the Logical Antennas tab for a property in the Site Database.
maxlobetiltfixed	number(38)		Indicates whether the Maximum Total Downtilt Fixed option is selected (1) or not (0) on the Logical Antennas tab for a property in the Site Database.
minelectilt	number(38)		Indicates the Minimum Electrical Tilt value defined on the Logical Antennas tab for a property in the Site Database.
minelectiltfixed	number(38)		Indicates whether the Minimum Electrical Tilt Fixed option is selected (1) or not (0) on the Logical Antennas tab for a property in the Site Database.
minlobetilt	number(38)		Indicates the Minimum Total Downtilt value defined on the Logical Antennas tab for a property in the Site Database.
minlobetiltfixed	number(38)		Indicates whether the Minimum Total Downtilt Fixed option is selected (1) or not (0) on the Logical Antennas tab for a property in the Site Database.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
patfrequency	float		The Frequency in MHz defined on the Logical Antennas tab for a property in the Site Database.

Name	Data Type	Constraint	Description
phyantennafk	number(38)	not null	Stores a unique number associating the antenna with a physical antenna.
ports	varchar2(255)		Identifies the ports on the physical antenna to which the cell is connected. Shown on the Physical Antennas tab for a property in the Site Database.
predmodelkey1	number(38)		Stores a number indicating the Primary Prediction Model selected on the Logical Antennas tab in the Site Database.
predmodelkey2	number(38)		Stores a number indicating the Secondary Prediction Model selected on the Logical Antennas tab in the Site Database.
predradiusmet1	float		Stores a number indicating the Primary Prediction Radius in kilometres defined on the Logical Antennas tab in the Site Database.
predradiusmet2	float		Stores a number indicating the Secondary Prediction Radius in kilometres defined on the Logical Antennas tab in the Site Database.
predresolutionmet1	float		Stores a number indicating the Primary Prediction Resolution in metres defined on the Logical Antennas tab in the Site Database.
predresolutionmet2	float		Stores a number indicating the Secondary Prediction Resolution in metres defined on the Logical Antennas tab in the Site Database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
syncretgroupindex	number(38)		The RET Group defined on the Logical Antennas tab for a property in the Site Database.
ulcorrfactor	float		The Uplink Correction factor defined on the Logical Antennas tab for a property on the Site Database.

**Foreign Keys:**

- FK1 (projectno + addressfk) references the SITEADDRESS table
- FK2 (projectno + phyantennafk) references the PHYANTENNA table

**Table LOGIS95BSC**

This table shows the column list:

Name	DataType	Constraint	Description
lognodepk	number	not null	<b>Primary key</b> , storing a unique number associating each CDMA2000 BSC with a logical node.
lognodetypefk	number(38)	not null	Stores a unique number, associating the CDMA2000 BSC with a particular logical node type.
modifyuser	number	not null	Stores a number indicating the last user who made changes to the table.
projectno	number	not null	<b>Primary key</b> , storing a unique number for each project in a database.
supports_sho	number		Indicates whether the CDMA2000 BSC supports soft handover (1) or not (0).

Name	DataType	Constraint	Description
twowayhandover	float		Indicates the 2-Way HO percentage defined on the Carried Traffic tab for a CDMA2000 BSC in the Site Database.

**Foreign Keys:**

- FK1 (projectno + lognodepk + lognodetypefk) references the LOGNODE table
- FK2 (lognodetypefk) references the LOGNODETYPE table

**Table LOGIS95CAR**

This table shows the column list:

Name	Data Type	Constraint	Description
is95carpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each CDMA2000 carrier in the database.
is95carrierdatafk	number(38)	not null	Stores a unique number, associating a particular set of CDMA2000 carrier data with a CDMA2000 carrier.
logbsfk	number(38)	not null	Stores a unique number, associating the CDMA2000 carrier with a particular CDMA2000 BS.
lognodetypefk	number	not null	Foreign key referencing the MUNODE table.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
numpooledtraffchanelems	number(38)		The number of pooled traffic channel elements.
numtotaltraffchanelems	number(38)		The number of total traffic channel elements.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
traffchandatarate	number(38)		The number of traffic channel elements at a particular data rate.

**Foreign Keys:**

- FK1 (projectno + logbsfk + lognodetypefk) references the MUNODE table
- FK2 (projectno + is95carrierdatafk) references the IS95CARRIER table

**Table LOGIS95CL SITE**

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
is95bspk	number(38)	not null	<b>Primary key</b> , storing a unique number associating the CDMA2000 cluster site with a particular CDMA2000 BS.

Name	DataType	Constraint	Description
is95clusterfk	number(38)	not null	Stores a unique number for each CDMA2000 cluster site in the database.
lognodetypefk	number(38)	not null	Stores a unique number, associating the CDMA2000 cluster site with a particular logical node type.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

**Foreign Keys:**

- FK1 (is95bspk + projectno + lognodetypefk) references the MUNODE table
- FK2 (projectno + is95clusterfk) references the LOGIS95CLUSTER table

**Table LOGIS95CLUSTER**

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
Idname	varchar2(128)		User defined identifier for each particular cluster.
Is95clusterpk	number(38)	not null	<b>Primary key</b> , stores a unique number for each CDMA2000 cluster in the database.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table LOGIS95FEEDER

This table shows the column list:

Name	Data Type	Constraint	Description
addressfk	number(38)	not null	Foreign key referencing the SITEADDRESS table.
corrfactor	float		Value in dBs that provides a correction factor on the cell equipment used, if necessary. A positive value represents a gain and a negative value a loss.
dlgain	float		The Downlink Gain (in dB), defined on the Antennas tab for a CDMA sector in the Site Database.
feedertypefk	number(38)	not null	Stores a unique number identifying the feeder type.
is95antfk	number(38)	not null	Stores a unique number, associating the feeder with a particular CDMA2000 antenna.
is95cellfk	number(38)	not null	Stores a unique number, associating the feeder with a particular CDMA2000 cell.
is95feedpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each CDMA feeder in the database.
length	float		The Feeder Length (in m), defined on the Antennas tab for a CDMA sector in the Site Database.
logantennafk	number(38)	not null	Foreign key referencing the LOGANTENNA table.
maxpapower	float		Stores the maximum 'Power Amplifier' power in dB's.
mhamptypefk	number(38)	not null	Stores a unique number identifying the MHA (MastHead Amplifier) type.
mhgain_db	float		The MHA Gain (in dB), defined on the Antennas tab for a CDMA sector in the Site Database.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
noise_db	float		The Noise Figure (in dB), defined on the Antennas tab for a CDMA sector in the Site Database.
otherlosses	float		The Other Downlink Losses (in dB), defined on the Antennas tab for a CDMA sector in the Site Database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rxdiv	number(38)		Indicates whether RX Diversity is being used (1) or not (0). This is defined on the Antennas tab for a CDMA sector in the Site Database.
txdiv	number(38)		Indicates whether TX Diversity is being used (1) or not (0). This is defined on the Antennas tab for a CDMA sector in the Site Database.
ulgain	float		The Uplink Gain (in dB), defined on the Antennas tab for a CDMA sector in the Site Database.

### Foreign Keys:

- FK1 (projectno + logantennafk) references the LOGICALANTENNA table
- FK2 (projectno + is95cellfk) references the LOGIS95SECTOR table

- FK3 (projectno + addressfk) references the SITEADDRESS table

## Table LOGIS95MSC

This table shows the column list:

Name	DataType	Constraint	Description
lognodepk	number(38)	not null	<b>Primary key</b> , storing a unique number associating the CDMA2000MSC with a particular logical node.
lognodetypefk	number(38)	not null	Stores a unique number, associating the CDMA2000 MSC with a particular logical node type.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
needsbsc	number(38)		Indicates whether the CDMA2000MSC needs a CDMA2000BSC (1) or not (0).
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
supports_sho	number(38)		Indicates whether the CDMA2000MSC supports soft handover (1) or not (0).

### Foreign Keys:

- FK1 (projectno + lognodepk + lognodetypefk) references the LOGNODE table
- FK2 (lognodetypefk) references the LOGNODETYPE table

## Table LOGIS95SECCAR

This table shows the column list:

Name	Data Type	Constraint	Description
activesetsize	number(38)		The Active Set size, defined on the Power/Sho subtab of the Params tab for a CDMA sector in the Site Database.
broadcastcntrlchanpwr	float		The Broadcast Control Channel Power (in dBm), defined on the Channel Power subtab of the Params tab for a CDMA sector in the Site Database.
broadcastcntrlchanpwrcheck	integer		Indicates whether the Broadcast Control Channel Power parameter has been selected (1) or not (0).
carrierfk	number(38)	not null	Stores a unique number, associating the CDMA sector with a particular carrier.
codeorthofactor	float		FOR FUTURE USE
commassignchanpwr	float		The Common Assignment Channel Power (in dBm), defined on the Channel Power subtab of the Params tab for a CDMA sector in the Site Database.
commassignchanpwrcheck	integer		Indicates whether the Common Assignment Channel Power parameter has been selected (1) or not (0).

Name	Data Type	Constraint	Description
commctrlchanpwr	float		The Common Control Channel Power (in dBm), defined on the Channel Power subtab of the Params tab for a CDMA sector in the Site Database.
commctrlchanpwrcheck	integer		Indicates whether the Common Control Channel Power parameter has been selected (1) or not (0).
commpwrctrlchanpwr	float		The Common Power Control Channel Power (in dBm), defined on the Channel Power subtab of the Params tab for a CDMA sector in the Site Database.
commpwrctrlchanpwrcheck	integer		Indicates whether the Common Power Control Channel Power parameter has been selected (1) or not (0).
dataoffsetchanpwr153k6	float		Stores the data offset channel power 153.6 kbit/sec.
dataoffsetchanpwr19k2	float		Stores the data offset channel power 19.2 kbit/sec.
dataoffsetchanpwr38k4	float		Stores the data offset channel power 38.4 kbit/sec.
dataoffsetchanpwr76k8	float		Stores the data offset channel power 76.8 kbit/sec.
dataoffsetchanpwr9k6	float		Stores the data offset channel power 9.6 kbit/sec.
dataoffsetnomchanpwr	float		Stores the data offset nom channel power.
dedicatedchanelems	number(38)		Stores the number of dedicated channel elements.
dedicatedctrlchanpwr	float		The Dedicated Control Channel Power (in dBm), defined on the Channel Power subtab of the Params tab for a CDMA sector in the Site Database.
dedicatedctrlchanpwrcheck	integer		Indicates whether the Dedicated Control Channel Power parameter has been selected (1) or not (0).
excessnoise_check	integer		Indicates whether the Excess Noise parameter has been selected (1) or not (0).
excessnoise_db	float		The Excess Noise (in dBm), defined on the General subtab of the Params tab for a CDMA sector in the Site Database.
jointdetectionorthofactor	float		FOR FUTURE USE
macindexes	integer		The number of MAC Indexes, defined on the General subtab of the Params tab for an EV-DO sector in the Site Database.
makevalro	number(38)		Indicates whether to make the value read-only (1) or not (0).
maxdpchpwrdbm	float		FOR FUTURE USE
maxhochanelems	number(38)		Stores the maximum number of handoff channel elements.
maxhochanspool	number(38)		The Maximum Handoff Channels, defined on the Channel Pool subtab of the Params tab for a CDMA sector in the Site Database.
maxpapwr_dbm	float		The Max PA Power (in dBm), defined on the Power/Sho subtab of the Params tab for a CDMA sector in the Site Database.

Name	Data Type	Constraint	Description
maxprimchanspool	number(38)		The Maximum Primary Channels, defined on the Channel Pool subtab of the Params tab for a CDMA sector in the Site Database.
maxpwrperchan_dbm	float		Stores the maximum power per channel.
maxsupppwr_dbm	float		The Max Supplemental Channel Power (dBm/bit), defined on the Power/Sho subtab of the Params tab for a CDMA sector in the Site Database.
meanachnoiserise	float		The Mean Achieved Noise Rise (in dB), defined on the Static Analysis subtab of the Params tab for a CDMA sector in the Site Database.
meanhochanusd	float		Stores the mean number of handoff channels used (drive test parameter).
meanprichanusd	float		Stores the mean number of primary channels used (drive test parameter).
meantotdltfcpwr	float		The Mean Total Downlink Traffic Power (in dBm), defined on the Static Analysis subtab of the Params tab for a CDMA sector in the Site Database.
mindpchpwrdbm	float		FOR FUTURE USE
minpwrperchan_dbm	float		Stores the minimum power per channel.
minsupppwr_dbm	float		The Min Supplemental Channel Power (in dBm/bit), defined on the Power/Sho subtab of the Params tab for a CDMA sector in the Site Database.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
noiseriselmt_db	float		The Noise Rise Limit (in dB), defined on the General subtab of the Params tab for a CDMA sector.
numchanspool	number(38)		The Number of Channels, defined on the Channel Pool subtab of the Params tab for a CDMA sector in the Site Database.
numpagingchans	number(38)		The Number of Paging Channels, defined on the Paging subtab of the Params tab for a CDMA sector in the Site Database.
numpooledprimchanelems	number(38)		Stores the number of pooled primary channel elements.
orthogfactor	float		Stores the orthogonality factor used.
pagingchandatarate_kbs	float		The Paging Channel Data Rate (in kbps), defined on the Paging subtab of the Params tab for a CDMA sector in the Site Database.
pagingchanpwr_dbm	float		The Paging TX Channel Power (in dBm), defined on the Paging subtab of the Params tab for a CDMA sector in the Site Database.
pilotpwr_dbm	float		The Pilot Channel Power (in dBm), defined on the Channel Power subtab of the Params tab for a CDMA sector in the Site Database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
pwrctlstepsize_db	float		The Power Control Step Size (in dB), defined on the Power/Sho subtab of the Params tab for a CDMA sector in the Site Database.

Name	Data Type	Constraint	Description
quickpagingchanpwr	float		The Quick Paging Channel Power (in dBm), defined on the Channel Power subtab of the Params tab for a CDMA sector in the Site Database.
quickpagingchanpwrcheck	integer		Indicates whether the Quick Paging Channel Power parameter has been selected (1) or not (0).
ratedpapwr_dbm	float		The Rated PA Power (in dBm), defined on the Power/Sho subtab of the Params tab for a CDMA sector in the Site Database.
rcdownlink	varchar2(32)		The Downlink Configuration (1-10, 0=EV-DO), defined on the General subtab of the Params tab for a CDMA sector in the Site Database.
rcuplink	varchar2(32)		NOT USED.
rcvnoisefigure_dbm	float		The Receiver Noise Figure (in dB), defined on the General subtab of the Params tab for a CDMA sector in the Site Database.
rx_loss_db	float		The RX Splitter Loss (in dB), defined on the General subtab of the Params tab for a CDMA sector in the Site Database.
scramblingcode	number(38)		FOR FUTURE USE
scramblingcodegrp	number(38)		FOR FUTURE USE
seccarpk	number(38)	not null	<b>Primary key</b> , storing a unique number identifying the sector carrier.
sectorfk	number(38)	not null	Stores a unique number identifying the sector.
spconfig	number(38)		FOR FUTURE USE
syncchandatarate_kbs	float		Stores the synchronized channel data rate
syncchanpwr_dbm	float		The Sync Channel Power (in dBm), defined on the Channel Power subtab of the Params tab for a CDMA sector in the Site Database.
synchchanpwrcheck	integer		Indicates whether the Sync Channel Power parameter has been selected (1) or not (0).
t_drop_db	float		The T_Drop value (in dB), defined on the Power/Sho subtab of the Params tab for a CDMA sector in the Site Database.
tx_loss_db	float		The TX Combiner Loss (in dB), defined on the General subtab of the Params tab for a CDMA sector in the Site Database.
usedbmbit	integer		Indicates whether the Use dBm/bit units for traffic channel power limits option has been selected (1) or not (0).  This is defined on the Power/Sho subtab of the Params tab for a CDMA sector in the Site Database.

**Foreign Keys:**

- FK1 (projectno + carrierfk) references the LOGIS95CAR table
- FK2 (projectno + sectorfk) references the LOGIS95SECTOR table

## Table LOGIS95SECTOR

This table shows the column list:

Name	Data Type	Constraint	Description
activation	number(38)		Indicates whether the Activation option is selected (1) or not (0) in the ASSET Design Pane of the General tab for a cell in the Site Database.
celloverridecolorref	number(38)		Indicates whether the Override option in the Service Area Colour pane of the General tab for a CDMA cell in the Site Database is selected (1) or not (0).
cellparamspk	number(38)	not null	<b>Primary key</b> , identifying cell parameters.
csarea	float	not null	The Cell Service Area in square kilometres defined in the Cell Service pane of the General tab for a CDMA cell in the Site Database.
csrange	float	not null	The Cell Service Range in kilometres defined in the Cell Service pane of the General tab for a CDMA cell in the Site Database.
indoorschemafk	number	not null	Stores a unique identifier for a schema listed in the Schema Name column of the Clutter Losses dialog box opened by selecting Indoor Loss under Clutter Parameters from the Configuration menu on the ASSET tab.
logcellfk	number(38)	not null	Foreign key, storing a unique number for each CDMA sector in the database.
maxhochanspool	number(38)		NOT USED.
maxprimchanspool	number(38)		NOT USED.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
nbrlimitinterfiveg	number(38)		FOR FUTURE USE.
nbrlimitinterlte	number(38)		The Inter-Technology LTE value defined in the Neighbour Limits pane on the Neighbours tab for a CDMA cell in the Site Database.
numchanspool	number(38)		The Number of Channels, defined on the General tab for a CDMA sector in the Site Database.
pncode	number(38)		The Short PN Code Offset, defined on the General tab for a CDMA sector in the Site Database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
secname	varchar(128)		The Cell Name or sector name, defined on the General tab for a cell or sector in the Site Database.
signallingoverhead	float		The Signalling Overhead percentage defined on the Carried Traffic tab for a CDMA sector in the Site Database.

**Foreign Keys:**

- FK1 (projectno + logcellfk) references the LOGCELL table
- FK2 (projectno + indoorschemafk) references the TGCLUTTERLOSSSCHEMA table

**Table LOGLTECAR**

This table shows the column list:

Name	DataType	Constraint	Description
carrierpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each LTE carrier in the database.
lognodefk	number(38)	not null	Stores a unique number, associating the logical LTE carrier with a particular logical node.
ltecarrierfk	number(38)	not null	Foreign key, identifying the carrier used from the enodeB.
lognodedtypefk	number(38)	not null	Foreign key referencing the MUNODE table.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.

**Foreign Keys:**

- FK1 (lognodefk + projectno + lognodedtypefk) references the MUNODE table
- FK2 (ltecarrierfk + projectno) references the LTECARRIER table

**Table LOGLTECELL**

This table shows the column list:

Name	DataType	Constraint	Description
activation	number(38)		Indicates whether the Active option is selected (1) or not (0) in the ASSET Design pane of the General tab for an LTE cell in the Site Database
actual_range	float		The Actual Range in km indicated on the RACH RSI tab for an LTE cell on the Site Database.
assigned_first_rsi	number(3)		The Assigned First RSI value indicated on the RACH RSI tab for an LTE cell on the Site Database.
assigned_num_rsi	number(2)		The Assigned Number of RSI indicated on the RACH RSI tab for an LTE cell on the Site Database.
auto_update_pre_fmt	number(1)		Indicates whether Auto-update preamble format is enabled (1) or not (0). Defined in the RSI Assignment pane of the RACH RSI tab for an LTE cell in the Site Database.
beamformarrayelems	number(38)		The number of beamforming array elements. Defined on the AAS Settings tab for an LTE cell in the Site Database.
beamformertype	number(38)		Indicates whether the Beamformer Type is Adaptive (0) or Switched Beam (1) in the Beamforming pane of the AAS Settings tab for an LTE cell in the Site Database.

Name	DataType	Constraint	Description
beamformingsupport	number(2)		Indicates whether Downlink is enabled (1) or not (0) in the Beamforming pane of the AAS Settings tab for an LTE cell in the Site Database.
beamformingsupport_ul	number(2)		Indicates whether Uplink is enabled (1) or not (0) in the Beamforming pane of the AAS Settings tab for an LTE cell in the Site Database.
beamformmethod_ul	number(38)		The UL Method (Max Signal or Max SINR) defined in the Beamforming pane of the AAS Settings tab for an LTE cell in the Site Database.
cellid	number(38)		The Cell Identity, defined on the General tab for an LTE cell in the Site Database.
celloverridecolorref			Indicates whether the Override option in the Service Area Colour pane of the General tab for an LTE cell in the Site Database is selected (1) or not (0).
cellparamspk	number(38)		<b>Primary key</b> , identifying cell parameters.
crangroup			The C-RAN Group ID defined in the C-RAN pane of the General tab for an LTE cell in the Site Database.
csarea			The Cell Service Area in square kilometres defined in the Cell Service pane of the General tab for an LTE cell in the Site Database.
csrange			The Cell Service Range in kilometres defined in the Cell Service pane of the General tab for an LTE cell in the Site Database.
delay_spread	float		The Delay Spread value defined on the RACH RSI tab for an LTE cell in the Site Database.
dli_rfactor	float		The beamforming downlink IR factor defined on the AAS Settings tab for an LTE cell in the Site Database.
high_speed_flag	number(1)		Indicates whether the High Speed (restricted Ncs) option on the RACH RSI tab for an LTE cell in the Site Database is selected (1) or not (0).
indoorschemafk			Stores a unique identifier for a schema listed in the Schema Name column of the Clutter Losses dialog box opened by selecting Indoor Loss under Clutter Parameters from the Configuration menu on the ASSET tab.
logcellfk			Foreign key, identifying the cell.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
mumimodlsupport	number(2)		Indicates whether MU-MIMO downlink is active (1) or not (0). Defined on the AAS Settings tab for an LTE cell in the Site Database.
mumimodlterms	float		Indicates the average number of co-scheduled terminals on the MU-MIMO downlink. Defined on the AAS Settings tab for an LTE cell in the Site Database.
mumimoulsupport	number(2)		Indicates whether MU-MIMO uplink is active (1) or not (0). Defined on the AAS Settings tab for an LTE cell in the Site Database.
mumimoulterms	float		Indicates the average number of co-scheduled terminals on the MU-MIMO uplink. Defined on the AAS Settings tab for an LTE cell in the Site Database.

Name	DataType	Constraint	Description
nbrlimitalltechs	number(38)		The Inter-Technology All Techs value defined in the Neighbour Limits pane on the Neighbours tab for an LTE cell in the Site Database.
nbrlimitinterfiveg	number(38)		FOR FUTURE USE
nbrlimitintercdma	number(38)		The Inter-Technology CDMA value defined in the Neighbour Limits pane on the Neighbours tab for an LTE cell in the Site Database.
nbrlimitintergsm	number(38)		The Inter-Technology GSM value defined in the Neighbour Limits pane on the Neighbours tab for an LTE cell in the Site Database.
nbrlimitinterumts	number(38)		The Inter-Technology UMTS value defined in the Neighbour Limits pane on the Neighbours tab for an LTE cell in the Site Database.
nbrlimitintrainter	number(38)		The Intra-Technology Inter Carrier value defined in the Neighbour Limits pane on the Neighbours tab for an LTE cell in the Site Database.
nbrlimitintraintra	number(38)		The Intra-Technology Intra value defined in the Neighbour Limits pane on the Neighbours tab for an LTE cell in the Site Database.
num_cyclic_shift	number(3)		The look-up table from which the Ncs value is derived: 1 = Ncs Unrestricted table 2 = Ncs Restricted table 3 = Ncs table
prach_config_index	number(2)		The PRACH Config Index value indicated on the RACH RSI tab for an LTE cell on the Site Database.
prach_freq_offset	number(2)		The PRACH Freq. Offset value indicated on the RACH RSI tab for an LTE cell on the Site Database.
preamble_format	number(2)		The Preamble Format value indicated on the RACH RSI tab for an LTE cell on the Site Database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
req_num_rsi	number(3)		The Required Number of RSI indicated on the RACH RSI tab for an LTE cell on the Site Database.
rsi_calc_method	number(1)		Indicates the RSI calculation method.
schema_fk	number(38)		The RSI Schema setting, Unknown (0) or All (1) indicated on the RACH RSI tab for an LTE cell on the Site Database.
secname	varchar(128)		The Cell Name or sector name, defined on the General tab for a cell or sector in the Site Database.
signallingoverhead	float		The percentage signalling overhead defined on the Carried Traffic tab for an LTE cell in the Site Database.
sumimodlspatialmode	number(38)		Indicates the SU-MIMO downlink spatial mode which can be Diversity (0), Multiplexing (1), or Adaptive Switching (2). Defined on the AAS Settings tab for an LTE cell in the Site Database.
sumimodlsupport	number(2)		Indicates whether SU-MIMO downlink is active (1) or not (0). Defined on the AAS Settings tab for an LTE cell in the Site Database.

Name	DataType	Constraint	Description
sumimorxelems	number(38)		The number of SU-MIMO uplink receiver elements defined on the AAS Settings tab for an LTE cell in the Site Database.
sumimotxelems	number(38)		The number of SU-MIMO downlink transmitter elements defined on the AAS Settings tab for an LTE cell in the Site Database.
sumimoulspatialmode	number(38)		Indicates the SU-MIMO uplink spatial mode which can be Diversity (0), Multiplexing (1), or Adaptive Switching (2). Defined on the AAS Settings tab for an LTE cell in the Site Database.
sumimoulsupport	number(2)		Indicates whether SU-MIMO uplink is active (1) or not (0). Defined on the AAS Settings tab for an LTE cell in the Site Database.
tac	number(38)		The Tracking Area Code defined on the General tab for an LTE cell in the Site Database.
ulirfactor	float		The beamforming uplink IR factor defined on the AAS Settings tab for an LTE cell in the Site Database.
zero_corrln_zone	number(2)		The Zero Correlation Zone Config value indicated on the RACH RSI tab for an LTE cell on the Site Database.

**Foreign Keys:**

- FK1 (project no + logcellfk) references the LOGCELL table
- FK2 (projectno + indoorschemafk) references the TGCLUTTERLOSSSCHEMA table
- FK3 (projectno + schema\_fk) references the LTERSISSCHEMA table

**Table LOGLTECELLCAR**

This table shows the column list:

Name	Data Type	Constraint	Description
admimothreshdltrafficsinr	float		The Adaptive SU-MIMO Download Traffic SINR value in dB defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
admimothreshenabled	number(2)		Indicates whether the Adaptive MIMO SNR option is selected (1) or not (0). Defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
admimothreshrssinr	number		The Adaptive SU-MIMO RS SINR value in dB defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
admimothreshrssnr	float		The Adaptive SU-MIMO RS SNR value in dB defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
admimothreshultrafficsinr	float		The Adaptive SU-MIMO Upload Traffic SINR value in dB defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.

Name	Data Type	Constraint	Description
bfthreshdltrafficssinr	float		The Beamforming Traffic Download Traffic SINR value in dB defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
bfthrethenabled	number(2)		Indicates whether the Beamforming option is selected (1) or not (0). Defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
bfthreshrssinr	float		The Beamforming RS SINR value in dB defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
bfthreshrssnr	float		The Beamforming RS SNR value in dB defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
bfthreshhultrafficssinr	float		The Beamforming Upload Traffic SINR value in dB defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
broadcastoffset	float		The Broadcast offset value in dB defined on the Power sub-tab of the LTE Params tab for an LTE cell on the Site Database.
cacellidentity	varchar2(128)		The value entered in the CA Cell Identity field in the Carrier Aggregation pane of the General sub-tab of the LTE Params tab for an LTE cell on the Site Database.
calculationmethod	number(3)		A number indicating the Auto-Calculate method defined on the Power sub-tab of the LTE Params tab for an LTE cell on the Site Database. 1 = Off, 2 = Max Tx Power, 3 = Ref Signal PPRE.
carrierfk	number(38)	not null	Foreign key, identifying the carrier used from the enodeB.
cellcaenabled	number(2)		Indicates whether the Enable CA option is selected (1) or not (0). Defined in the Carrier Aggregation pane of the General sub-tab of the LTE Params tab for an LTE cell on the Site Database.
cellcarrierpk	number(38)	not null	<b>Primary Key</b> , identifying the cell carrier.
celledgegethreshmode	number(2)		Indicates the Cell Centre - Cell Edge threshold mode RSRP (0) or Relative RSRP (1) defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
cellid	number(38)	not null	The Physical Cell ID defined on the General sub-tab of the LTE Params tab for an LTE cell on the Site Database.
cellparamsfk	number(38)	not null	Foreign key identifying cell parameters.
cellspecificfreqoffsets	number(2)		NOT USED.
channelprotection5G	float	not null	The Channel Protection value in dB specified in the 5G column of the Inter-technology pane on the Cell Load Levels sub-tab of the LTE parameters tab for an LTE cell on the Site Database.

Name	Data Type	Constraint	Description
channelprotectiongsm	float	not null	The Channel Protection value in dB specified in the GSM column of the Inter-technology pane on the Cell Load Levels sub-tab of the LTE parameters tab for an LTE cell on the Site Database.
channelprotectionumts	float	not null	The Channel Protection value in dB specified in the UMTS column of the Inter-technology pane on the Cell Load Levels sub-tab of the LTE parameters tab for an LTE cell on the Site Database.
channelprotectionwifi	float	not null	The Channel Protection value in dB specified in the Wi-Fi column of the Inter-technology pane on the Cell Load Levels sub-tab of the LTE parameters tab for an LTE cell on the Site Database.
codeschemakey	number(38)		Indicates the Schema setting, Unknown (0) or All (1) defined on the General sub-tab of the LTE Params tab for an LTE cell on the Site Database.
codeschematype	number(38)		Specifies the type of code schema used. Type(0) is unknown.
controloffset	float		The Control offset value in dB defined on the Power sub-tab of the LTE Params tab for an LTE cell on the Site Database.
dlicellcenterload	float		The Downlink Load Cell Centre percentage defined on the Cell Load Levels sub-tab of the LTE Params tab for an LTE cell on the Site Database.
dlicelledgeload	float		The Downlink Load Cell Centre percentage defined on the Cell Load Levels sub-tab of the LTE Params tab for an LTE cell on the Site Database.
dlicentreabscustommask	varchar2(128)		The string defined beneath the Cell Centre ABS Pattern drop-down in the Downlink Patterns pane of the ICIC sub-tab of the LTE Params tab for an LTE cell on the Site Database.
dlicentreabspattern_fk	number(38)		The Cell Centre ABS Pattern defined in the drop-down in the Downlink Patterns pane of the ICIC sub-tab of the LTE parameters tab for an LTE cell on the Site Database.
dledgeabscustommask	varchar2(128)		The string defined beneath the Cell Edge ABS Pattern drop-down in the Downlink Patterns pane of the ICIC sub-tab of the LTE Params tab for an LTE cell on the Site Database.
dledgeabspattern_fk	number(38)		The Cell Edge ABS Pattern defined in the drop-down in the Downlink Patterns pane of the ICIC sub-tab of the LTE parameters tab for an LTE cell on the Site Database.
dlnoiseriseterm5g	float	not null	The DL Noise Rise (Terminals) value in dB specified in the 5G column of the Inter-technology pane on the Cell Load Levels sub-tab of the LTE parameters tab for an LTE cell on the Site Database.
dlnoiserisetermgsm	float	not null	The DL Noise Rise (Terminals) value in dB specified in the GSM column of the Inter-technology pane on the Cell Load Levels sub-tab of the LTE parameters tab for an LTE cell on the Site Database.

Name	Data Type	Constraint	Description
dlnoiserisetermumts	float	not null	The DL Noise Rise (Terminals) value in dB specified in the UMTS column of the Inter-technology pane on the Cell Load Levels sub-tab of the LTE parameters tab for an LTE cell on the Site Database.
dlnoiserisetermwifi	float	not null	The DL Noise Rise (Terminals) value in dB specified in the Wi-Fi column of the Inter-technology pane on the Cell Load Levels sub-tab of the LTE parameters tab for an LTE cell on the Site Database.
dl_max_modulation	number(38)		The Highest Supported Modulation Order defined on the General sub-tab of the LTE Params tab for an LTE cell on the Site Database.
enhicicschemeenabled	number(2)		Indicates whether eICIC option is selected (1) or not (0) in the ICIC pane of the Scheduling sub-tab of the LTE Params tab for an LTE cell on the Site Database.
highsinrlocationenabled	number(2)		Indicates whether Apply in high SINR locations is selected (1) or not (0) on the Scheduling sub-tab of the LTE Params tab for an LTE cell on the Site Database.
icicschemesenabled	number(2)		Indicates whether the ICIC Schemes option is selected (1) or not (0). Defined on the General sub-tab of the LTE Params tab for an LTE cell on the Site Database.
lineofsightlocationenabled	number(2)		Indicates whether Apply in Line of Sight locations is selected (1) or not (0) on the Scheduling sub-tab of the LTE Params tab for an LTE cell on the Site Database.
logcellfk	number(38)	not null	Foreign key identifying the parent cell.
maxrange	float		The Max TA Range value in km defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
maxscheduledusers	number(38)		The Number of Scheduled Users defined on the General sub-tab of the LTE Params tab for an LTE cell on the Site Database.
maxta	float		The Max TA Timing Advance value in msec defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
maxtxpower	float		The Max Tx Power value in dBm defined on the General sub-tab of the LTE Params tab for an LTE cell on the Site Database.
mbsfnctrloffset	float		The Offset value in dB for the Control row of the Channel Settings pane defined on the eMBMS sub-tab of the LTE Params tab for an LTE cell on the Site Database.
mbsfnenabled	number(38)		Indicates whether the Enable option is selected (1) or not (0) on the eMBMS sub-tab of the LTE Params tab for an LTE cell on the Site Database.
mbsfnrsoffset	float		The Offset value in dB for the Reference Signal row of the Channel Settings pane defined on the eMBMS sub-tab of the LTE Params tab for an LTE cell on the Site Database.

Name	Data Type	Constraint	Description
mbsfnSyncarea	number(38)		The MBSFN Sync Area ID defined on the eMBMS sub-tab of the LTE Params tab for an LTE cell on the Site Database.
mbsfnTrafficOffset	float		The Offset value in dB for the Traffic row of the Channel Settings pane defined on the eMBMS sub-tab of the LTE Params tab for an LTE cell on the Site Database.
meanULCellCenterIntfLevel	float		The Mean UL Interference Level Cell Centre value in dB defined on the Cell Load Levels sub-tab of the LTE Params tab for an LTE cell on the Site Database.
meanULCellEdgeIntfLevel	float		The Mean UL Interference Level Cell Edge value in dB defined on the Cell Load Levels sub-tab of the LTE Params tab for an LTE cell on the Site Database.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
mpcmodelfk	number(38)		The Multipath Channel Model defined on the eMBMS sub-tab of the LTE Params tab for an LTE cell on the Site Database.
mumimoTHreshDLTrafficRSINR	float		The MU-MIMO Download Traffic SINR value in dB defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
mumimoTHreshEnabled	number(2)		Indicates whether the MU-MIMO SNR option is selected (1) or not (0). Defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
mumimoTHreshSSINR	float		The MU-MIMO RS SINR value in dB defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
mumimoTHreshRSSNR	float		The MU-MIMO RS SNR value in dB defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
mumimoTHreshULTrafficSINR	float		The MU-MIMO Upload Traffic SINR value in dB defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
noisefigure	float		The Noise Figure in dB defined on the General sub-tab of the LTE Params tab for an LTE cell on the Site Database.
nonRayleighAdjustment	float		The value of the MUG non-Rayleigh Adjustment entered on the Scheduling sub-tab of the LTE Params tab for an LTE cell on the Site Database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
referenceSignalPPRE	float		The Reference Signal PPRE value in dBm defined on the Power sub-tab of the LTE Params tab for an LTE cell on the Site Database.
refSignalSNRthresh	float		The Reference Signal SNR value in dB defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.

Name	Data Type	Constraint	Description
refsignalsnrthreshenabled	number(2)		Indicates whether the reference Signal SNR option is selected (1) or not (0). Defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
relsrusrp	float		The Relative RSRP Cell Centre - Cell Edge threshold value in dB defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
rsrp	float		The RSRP Cell Centre - Cell Edge threshold value in dBm defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
rsrpoffset	float		The value entered in the RSRP Offset (dB) field in the Cell Range Extension pane of the General sub-tab of the LTE Params tab for an LTE cell on the Site Database.
rsrpoffsetenabled	number(38)		Indicates whether the RSRP Offset (dB) option is selected (1) or not (0). Defined in the Cell Range Extension pane of the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
schedulerkey	number(38)		The Scheduler type, Round Robin (1), Max SINR (2), Proportional Fair (5) or Proportional Demand (6) defined on the General sub-tab of the LTE Params tab for an LTE cell on the Site Database.
sinrthreshold	float		The value of the SINR Threshold in dB entered on the Scheduling sub-tab of the LTE Params tab for an LTE cell on the Site Database.
syncoffset	float		The Synchronization offset value in dB defined on the Power sub-tab of the LTE Params tab for an LTE cell on the Site Database.
timingadvenceenabled	number(2)		Indicates whether the Timing Advance option is selected (1) or not (0). Defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
timingadvancemode	number(38)		Indicates whether the Timing Advance mode is Max TA (0), or Max Range (1). Defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
trafficoffset	float		The Traffic offset value in dB defined on the Power sub-tab of the LTE Params tab for an LTE cell on the Site Database.
ttibundlingenabled			Indicates whether the TTI Bundling option is selected (1) or not (0). Defined on the Scheduling sub-tab of the LTE Params tab for an LTE cell on the Site Database.
txpowerfixed	number(2)		Indicates whether the Fixed option for the Max DL Power per Connection has been selected (1) or not (0). This is defined on the Load&Power Ctrl tab for a Mobile WiMAX cell in the Site Database.
ulcentreabscustommask	varchar2(128)		The string defined beneath the Cell Centre ABS Pattern drop-down in the Uplink Patterns pane of the ICIC sub-tab of the LTE Params tab for an LTE cell on the Site Database.

Name	Data Type	Constraint	Description
ulcentreabspattern_fk	number(38)		The Cell Centre ABS Pattern defined in the drop-down in the Uplink Patterns pane of the ICIC sub-tab of the LTE parameters tab for an LTE cell on the Site Database.
uledgeabscustommask	varchar2(128)		The string defined beneath the Cell Edge ABS Pattern drop-down in the Uplink Patterns pane of the ICIC sub-tab of the LTE Params tab for an LTE cell on the Site Database.
uledgeabspatttern_fk	number(38)		The Cell Edge ABS Pattern defined in the drop-down in the Uplink Patterns pane of the ICIC sub-tab of the LTE parameters tab for an LTE cell on the Site Database.
ulnoiseriseceilterm5g	float	not null	The UL Noise Rise (Cells and Terminals) value in dB specified in the 5G column of the Inter-technology pane on the Cell Load Levels sub-tab of the LTE parameters tab for an LTE cell on the Site Database.
ulnoiseriseceiltermgsm	float	not null	The UL Noise Rise (Cells and Terminals) value in dB specified in the GSM column of the Inter-technology pane on the Cell Load Levels sub-tab of the LTE parameters tab for an LTE cell on the Site Database.
ulnoiseriseceiltermumts	float	not null	The UL Noise Rise (Cells and Terminals) value in dB specified in the UMTS column of the Inter-technology pane on the Cell Load Levels sub-tab of the LTE parameters tab for an LTE cell on the Site Database.
ulnoiseriseceiltermwifi	float	not null	The UL Noise Rise (Cells and Terminals) value in dB specified in the Wi-Fi column of the Inter-technology pane on the Cell Load Levels sub-tab of the LTE parameters tab for an LTE cell on the Site Database.
usemimothreshrssinr	number(2)		Indicates whether the RS SINR (dB) option is selected (1) or not (0). Defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database
usemimothreshrssnr	number(2)		Indicates whether the RS SNR (dB) option is selected (1) or not (0). Defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.
usemimothreshtrafficsinr	number(2)		Indicates whether the Traffic SINR (dB) option is selected (1) or not (0). Defined on the Thresholds sub-tab of the LTE Params tab for an LTE cell on the Site Database.

**Foreign Keys:**

- FK1 (projectno + logcellfk) references the LOGCELL table
- FK2 (projectno + carrierfk) references the LOGLTECELLCAR table
- FK3 (projectno + dlcentreabspattern\_fk) references the LTEEICICABSPATTERN table
- FK4 (projectno + dledgeabspattern\_fk) references the LTEEICICABSPATTERN table
- FK5 (projectno + ulcentreabspattern\_fk) references the LTEEICICABSPATTERN table
- FK6 (projectno + uledgeabspattern\_fk) references the LTEEICICABSPATTERN table
- FK7 (projectno + mpmodelfk) references the MULTIPATHCHANNELMODEL table
- FK8 (projectno + cellparamsfk) references the LOGLTECELL table

## Table LOGLTECELLCARMBSFN

This table shows the column list:

Name	Data Type	Constraint	Description
Itecarrierfk	number (38)	not null	Identifies the LTE carrier key in table LTECARRIER.
Itecarriermbsfnfk	number (38)	not null	Foreign key identifying the carrier mbsfn.
Itecellcarrierfk	number (38)	not null	Foreign key, identifying the cell carrier.
Itecellcarriermbsfnpk	number (38)	not null	<b>Primary key</b> , identifying the cell carrier mbsfn.
Itecellfk	number (38)	not null	Foreign key, identifying the cell.
mbsfnareastatus	number (38)	not null	Identifies the status in the Reserved column (0=N, 1=Y) of the Allocated List box on the eMBMS sub tab of the LTE Params tab for an LTE cell in the Site Database.
modifyuser	number (38)	not null	Stores a number indicating the last user who made changes to the table.
projectno	number (38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.

### Foreign Keys:

- FK1 (project no + Itecellfk) references the LOGCELL table
- FK2 (project no + Itecellcarrierfk) references the LOGLTECELLCAR table
- FK3 (project no + Itecarriermbsfnfk) reference the LTECARRIERMBSFN table

## Table LOGMME

This table shows the column list:

Name	DataType	Constraint	Description
lognodepk	number(38)	Not null	<b>Primary key</b> , storing a unique number for each MME node in the database.
lognodetypefk	number(38)	Not null	Stores a unique number, associating the MME with a particular logical node type.
modifyuser	number(38)	Not null	Stores a number indicating the last user who made changes to the table.
projectno	number(38)	Not null	<b>Primary key</b> , storing a unique number for each project in a database.

### Foreign Keys:

- FK1 (projectno + lognodepk) references the LOGNODE table
- FK2 (projectno + lognodetypefk) references the LOGNODETYPE table

## Table LOGNETWORK

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(128)	not null	The Network Identity, defined on the General tab for a logical network in the Site Database.
lognetworkpk	number(38)	not null	Primary key, stores a unique number for each logical network in the database.
mecontextid	varchar2(128)		Further field used to uniquely identify the elements in the network hierarchy.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
networktypefk	number(38)		Indicates the network type - logical (1100) or PLMN (1101).
parentfk	number(38)	not null	Foreign key that uniquely identifies the parent folder for the logical network.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
subnetid	varchar2(128)		Field used to uniquely identify the elements in the network hierarchy.
usercomment	varchar2(255)		Stores optional comments for the logical network.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.
visibility	number(38)		Three digit code that provides the read permissions for the user, the default group they belong to and all other users. For more information on this, see the ENTERPRISE Installation and Administration Guide.
visibilitygroup	number(38)		Stores a number indicating the user group associated with the user with read permissions for this object.

### Foreign Keys:

- FK1 - (projectno + parentfk) references the LOGNETWORK table
- FK2 - (networktypefk) references the LOGNODETYPE table

## Table LOGNODE

This table shows the column list:

Name	Data Type	Constraint	Description
addressfk	number(38)	not null	Stores a unique number, associating the logical node with a particular site.
constrflags	number(38)		Stores flags corresponding to grid planning and power planning load constraints (Fixed Configuration, Fixed Node B Type)
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
hasconstraints	number(38)		Indicates whether the constrflags option has been selected (1) or not (0).
idname	varchar2(128)	not null	The logical node Identity, defined on the General tab for a logical node in the Site Database.
lognetworkfk	number(38)	not null	Stores a unique number, associating the logical node with a particular logical network.
lognodepk	number(38)	not null	<b>Primary key</b> , storing a unique number for each logical node in the network.
lognodedtypefk	number(38)	not null	Stores a unique number, associating the logical node with a particular logical node type.
maxsectors	number(38)		Maximum number of sectors to be generated by the slot pattern generation algorithm.
minsectors	number(38)		Minimum number of sectors to be generated by the slot pattern generation algorithm.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
name	varchar2(128)		The 1st Name of the logical node, defined on the General tab for a logical node in the Site Database.
name2	varchar2(128)		The 2nd Name of the logical node, defined on the General tab for a logical node in the Site Database.
networklevel	number(38)		NOT USED.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
signallingoverhead	float		The Signalling Overhead percentage defined on the Carried Traffic tab for a logical node in the Site Database.
subtypefk	number(38)	not null	Foreign key referencing the LOGNODETYPE table.
usercomment	varchar2(255)		Stores any comments for the logical node.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

Name	Data Type	Constraint	Description
visibility	number(38)		Three digit code that provides the read permissions for the user, the default group they belong to and all other users. For more information on this, see the ENTERPRISE Installation and Administration Guide.
visibilitygroup	number(38)		Stores a number indicating the user group associated with the user with read permissions for this object.

**Foreign Keys:**

- FK1 (lognodepk) references the LOGNODETYPE table
- FK2 (projectno + addresskey) references the SITEADDRESS table
- FK3 (projectno + lognetworkfk) references the LOGNETWORK table
- FK4 (projectno + subtypefk) references the LOGNODETYPE table

**Table LOGNODETRAFFIC**

This table shows the column list:

Name	Data Type	Constraint	Description
bitratedirakbs	float		The UL Bit Rate (in kbps), defined on the Traffic tab for a logical node in Site Database.
bitratedirbkbs	float		The DL Bit Rate (in kbps), defined on the Traffic tab for a logical node in Site Database.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
logconnfk	number(38)	not null	Stores a unique number, associating a particular connection with the logical node traffic.
lognodefk	number(38)	not null	Stores a unique number, associating the traffic with a particular logical node.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
numsubscribers	float		The number of Subscribers for the traffic, defined on the Traffic tab for a logical node in the Site Database.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
symmetric	number(38)		Indicates whether the Symmetric Traffic option has been selected (1) or not (0). This is defined on the Traffic tab for a logical node in the Site Database.
trafficpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each logical node traffic in the database.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

**Foreign Keys:**

- FK1 (projectno + lognodefk) references the LOGNODE table

**Table LOGNODETYPE**

This table shows the column list:

Name	DataType	Constraint	Description
description	varchar2(30)		Description of the logical node type (for example NODEB, UMTS CELL or LTE NODE ANTENNA), used to impose referential integrity on the type fields in all tables.
fulldescription	varchar2(256)		List of child objects preventing deletion of parent object.
lognodekey	number	not null	<b>Primary key</b> that uniquely identifies each logical node type defined in the database.

**Table LOGPLMN**

This table shows the column list:

Name	DataType	Constraint	Description
lognetworkpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each PLMN network in the database.
mcc	varchar2(3)		The Mobile Country Code (MCC), defined on the General tab for a PLMN network in the Site Database.
mnc	varchar2(3)		The Mobile Network Code (MNC), defined on the General tab for a PLMN network in the Site Database.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.

**Foreign Keys:**

- FK1 (projectno + lognetworkpk) references the LOGNETWORK table

**Table LOGRNC**

This table shows the column list:

Name	DataType	Constraint	Description
functionid	varchar2(128)		The Function ID, defined on the General tab for a logical RNC in the Site Database.
lognodepk	number(38)	not null	<b>Primary key</b> , storing a unique number for each logical node in the database.
lognodekey	number(38)	not null	Stores a unique number, associating the logical RNC with a particular logical node type.
manelemid	varchar2(128)		The Managed Element ID, defined on the General tab for a logical RNC in the Site Database.

Name	DataType	Constraint	Description
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rncid	varchar2(10)		The RNC-Id, defined on the General tab for a logical RNC in the Site Database.
twoawayhandover	float		Indicates the 2-Way HO percentage defined on the Carried Traffic tab for a logical RNC in the Site Database.

**Foreign Keys:**

- FK1 (projectno + lognodepk + lognodetypefk) references the LOGNODE table
- FK2 (lognodetypefk) references the LOGNODETYPE table

**Table LOGSAEGW**

This table describes the column list:

Name	DataType	Constraint	Description
lognodepk	number(38)	Not null	<b>Primary key</b> , storing a unique number for each SAEGW node in the database.
lognodetypefk	number(38)	Not null	Stores a unique number, associating the SAEGW with a particular logical node type.
modifyuser	number(38)	Not null	Stores a number indicating the last user who made changes to the table.
projectno	number(38)	Not null	<b>Primary key</b> , storing a unique number for each project in a database.

**Foreign Keys:**

- FK1 (projectno + lognodepk) references the LOGNODE table
- FK2 (projectno + lognodetypefk) references the LOGNODETYPE table

**Table LOGUMTSCAR**

This table shows the column list:

Name	Data Type	Constraint	Description
lognodefk	number(38)		Stores a unique number, associating the logical UMTS carrier with a particular logical node.
lognodetypefk	number(38)		Foreign key referencing the MUNODE table.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
res1dlho	number(38)		DL Max # of Handover.
res2dlho	number(38)		DL Max # of Handover.

Name	Data Type	Constraint	Description
res3dlho	number(38)		DL Max # of Handover.
res1dlpri	number(38)		DL Max # of Primary.
res2dlpri	number(38)		DL Max # of Primary.
res3dlpri	number(38)		DL Max # of Primary.
res1dltot	number(38)		DL Total # of Resources.
res2dltot	number(38)		DL Total # of Resources.
res3dltot	number(38)		DL Total # of Resources.
res1ulho	number(38)		UL Max # of Handover.
res2ulho	number(38)		UL Max # of Handover.
res3ulho	number(38)		UL Max # of Handover.
res1ulpri	number(38)		UL Max # of Primary.
res2ulpri	number(38)		UL Max # of Primary.
res3ulpri	number(38)		UL Max # of Primary.
res1ultot	number(38)		UL Total # of Resources.
res2ultot	number(38)		UL Total # of Resources.
res3ultot	number(38)		UL Total # of Resources.
tgcarrierfk	number(38)		Stores a unique number, associating the UMTS carrier with a particular 3g carrier.
umtscarpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each UMTS carrier in the database.

#### Foreign Keys:

- FK1 (projectno + lognodefk + lognodeltypefk) references the MUNODE table
- FK2 (projectno + tgcarrierfk) references the TGCARRIER table

## Table LOGUMTSCELL

This table shows the column list:

Name	Data Type	Constraint	Description
activation	number(38)		Indicates whether the Active option is selected (1) or not (0) in the ASSET Design pane of the General tab for a UMTS cell in the Site Database.
celloverridecolorref	number(38)		Indicates whether the Override option in the Service Area Colour pane of the General tab for a UMTS cell in the Site Database is selected (1) or not (0).
cellparamspk	number(38)	not null	<b>Primary key</b> , identifying cell parameters.
coveragetype	number(38)		Indicates the Coverage type, either Outdoor (0) or Indoor (1), defined on the CI-RTT tab for a UMTS cell in the Site Database.
crangroup	varchar2(128)		The C-RAN Group ID defined in the C-RAN pane of the General tab for a UMTS cell in the Site Database.
csarea	float	not null	The Cell Service Area in square kilometres defined in the Cell Service pane of the General tab for a UMTS cell in the Site Database.

Name	Data Type	Constraint	Description
csrange	float	not null	The Cell Service Range in kilometres defined in the Cell Service pane of the General tab for a UMTS cell in the Site Database.
dlmaxblocksize	float	not null	Stores the value in the Max. Supported Block Size field on the HSPA tab for a UMTS cell in the Site Database.
dltrafpowbal	float		Load balancing downlink traffic power.
hspa_only_cell	number(38)	not null	Indicates whether or not the HSPA-Only Cell option is selected (1) or not (0). Defined on the HSPA tab for a UMTS cell in the Site Database.
indoorschemafk	number(38)	not null	Stores a unique identifier for a schema listed in the Schema Name column of the Clutter Losses dialog box opened by selecting Indoor Loss under Clutter Parameters from the Configuration menu on the ASSET tab.
lac	number(38)		The Location Area Code (LAC), defined on the General tab for a UMTS cell in the Site Database.
lcr	number(38)		NOT USED.
linkpowoffcet	float		The Link Power Offset (in dB), defined on the Load&Power Ctrl tab for a UMTS cell in the Site Database.
localcellid	number(38)		The Local Cell Id, defined on the General tab for a UMTS cell in the Site Database.
logcellfk	number(38)	not null	Foreign key, identifying the cell.
maxcellradiusback	float		The Maximum Cell Radius (Back) (in km) defined on the CI-RTT tab for a UMTS cell in the Site Database.
maxcellradiusfront	float		The Maximum Cell Radius (Front) (in km) defined on the CI-RTT tab for a UMTS cell in the Site Database.
maxtxpowconn	float		The Max DL Power per Connection (in dBm), defined on the Load&Power Ctrl tab for a UMTS cell in the Site Database.
mc_hspa_cell_id	varchar2(128)		Stores the MC-HSPA cell identity defined on the HSPA tab for a UMTS Node B template in the site database.
mc_hspa_enabled	number(38)	not null	Indicates whether MC-HSPA is enabled (1) or not (0). Defined on the HSPA tab for a UMTS Node B template in the site database.
mintxpowconn	float		The Min DL Power per Connection (in dBm), defined on the Load&Power Ctrl tab for a UMTS cell in the Site Database.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
modulation	number(38)	not null	Indicates the Max Supported Modulation, defined on the HSPA tab for a UMTS cell in the Site Database.
multipathtype	number(38)		Indicates the Multipath Environment Factor - Heavy Multipath(0), Light Multipath(1) or Mixed(2). This is defined on the CI-RTT tab for a UMTS cell in the Site Database.
nbrlimitalltechs	number(38)		The Inter-Technology All techs value defined in the Neighbour Limits pane on the Neighbours tab for a UMTS cell in the Site Database.

Name	Data Type	Constraint	Description
nbrlimitinterfiveg	number(38)		FOR FUTURE USE.
nbrlimitintergsm	number(38)		The Inter-Technology GSM value defined in the Neighbour Limits pane on the Neighbours tab for a UMTS cell in the Site Database.
nbrlimitinterlte	number(38)		The Inter-Technology LTE value defined in the Neighbour Limits pane on the Neighbours tab for a UMTS cell in the Site Database.
nbrlimitintrainter	number(38)		The Intra-Technology Inter Carrier value defined in the Neighbour Limits pane on the Neighbours tab for a UMTS cell in the Site Database.
nbrlimitintraintra	number(38)		The Intra-Technology Intra Carrier value defined in the Neighbour Limits pane on the Neighbours tab for a UMTS cell in the Site Database.
noiserisebal	float		The Noise Rise (in dB), defined on the Load&Power Ctrl tab for a UMTS cell in the Site Database.
otsrconfig	number(1)	not null	Indicates whether or not OTSR support is enabled (1) or not (0). Defined on the General tab for a UMTS cell in the Site Database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rac	number(38)		The Routing Area Code (RAC), defined on the General tab for a UMTS cell in the Site Database.
refbitrate	number(38)		The Reference DL Bitrate (bps), defined on the Load&Power Ctrl tab for a UMTS cell in the Site Database.
refdlebno	float		The Reference DL Eb/No (in dB), defined on the Load&Power Ctrl tab for a UMTS cell in the Site Database.
res1dlho	number(38)		The DL Max # of Handover channels, defined on the Resource tab for a UMTS cell in the Site Database.
res2dlho	number(38)		The DL Max # of Handover channels, defined on the Resource tab for a UMTS cell in the Site Database.
res3dlho	number(38)		The DL Max # of Handover channels, defined on the Resource tab for a UMTS cell in the Site Database.
res1dlpri	number(38)		The DL Max # of Primary channels, defined on the Resource tab for a UMTS cell in the Site Database.
res2dlpri	number(38)		The DL Max # of Primary channels, defined on the Resource tab for a UMTS cell in the Site Database.
res3dlpri	number(38)		The DL Max # of Primary channels, defined on the Resource tab for a UMTS cell in the Site Database.
res1dltot	number(38)		The DL Total # of Resources, defined on the Resource tab for a UMTS cell in the Site Database.
res2dltot	number(38)		The DL Total # of Resources, defined on the Resource tab for a UMTS cell in the Site Database.
res3dltot	number(38)		The DL Total # of Resources, defined on the Resource tab for a UMTS cell in the Site Database.
res1ulho	number(38)		The UL Max # of Handover channels, defined on the Resource tab for a UMTS cell in the Site Database.
res2ulho	number(38)		The UL Max # of Handover channels, defined on the Resource tab for a UMTS cell in the Site Database.

Name	Data Type	Constraint	Description
res3ulho	number(38)		The UL Max # of Handover channels, defined on the Resource tab for a UMTS cell in the Site Database.
res1ulpri	number(38)		The UL Max # of Primary channels, defined on the Resource tab for a UMTS cell in the Site Database.
res2ulpri	number(38)		The UL Max # of Primary channels, defined on the Resource tab for a UMTS cell in the Site Database.
res3ulpri	number(38)		The UL Max # of Primary channels, defined on the Resource tab for a UMTS cell in the Site Database.
res1ultot	number(38)		The UL Total # of Resources, defined on the Resource tab for a UMTS cell in the Site Database.
res2ultot	number(38)		The UL Total # of Resources, defined on the Resource tab for a UMTS cell in the Site Database.
res3ultot	number(38)		The UL Total # of Resources, defined on the Resource tab for a UMTS cell in the Site Database.
sac	number(38)		The Service Area Code (SAC), defined on the General tab for a UMTS cell in the Site Database.
secname	varchar2(128)		The Cell Name or sector name, defined on the General tab for a cell or sector in the Site Database.
signallingoverhead	float		The Signalling Overhead percentage defined on the Carried Traffic tab for a UMTS cell in the Site Database.
supcodemplx	number(38)	not null	Indicates whether or not the Code Multiplexing Support option is selected (1) or not (0). Defined in the HSDPA pane on the HSPA tab for a UMTS cell in the Site Database.
suphsdpa	number(38)	not null	Indicates whether or not the Enable HSDPA option is selected (1) or not (0). Defined on the HSPA tab for a UMTS cell in the Site Database.
suphsupa	number(38)	not null	Indicates whether or not the Enable HSUPA option is selected (1) or not (0). Defined on the HSPA tab for a UMTS cell in the Site Database.
supul2mstti	number(38)	not null	Indicates whether or not the Support 2ms TTI option is selected (1) or not (0). Defined in the HSUPA pane on the HSPA tab for a UMTS cell in the Site Database.
ulmaxcodes	number(38)	not null	Stores the value in the Max. HSUPA field on the HSPA tab for a UMTS cell in the Site Database.
ulminsfupported	number(38)	not null	Stores the value in the Min. SF field on the HSPA tab for a UMTS cell in the Site Database.
ulmodsupported	number(38)	not null	Indicates the MAX UL supported modulation: 64QAM (31), 16QAM (27), QPSK (25), 4PAM (24) BPSK (8). Defined on the HSPA tab for a UMTS cell in the Site Database.
umtscellid	number(38)		The UMTS Cell Id, defined on the General tab for a UMTS cell in the Site Database.
utranra1	number(38)		The URA 1 value, defined on the General tab for a UMTS cell in the Site Database.
... (and so on up to )			
utranra8	number(38)		The URA 8 value, defined on the General tab for a UMTS cell in the Site Database.

**Foreign Keys:**

- FK1 (logcellfk + project no) references the LOGCELL table

- FK2 (indoorschemafk + project no) references the TGCLUTTERLOSSSCHEMA table

## Table LOGUMTSCELLCAR

This table shows the column list:

Name	DataType	Constraint	Description
aichact	float	not null	The AICH Power Activity Factor, defined on the Cell Params tab for a UMTS cell in the Site Database.
aichon	integer	not null	Indicates whether the AICH Power Channel is ON (1) or OFF (0). This is defined on the Cell Params tab for a UMTS cell in the Site Database.
aichpwr	float	not null	The AICH Power (in dBm), defined on the Cell Params tab for a UMTS cell in the Site Database.
carrierfk	number(38)	not null	Foreign key, identifying the carrier used from the node.
cellbgrndnoise	float		Stores the value of the cell background noise.
cellcarrierpk	number(38)	not null	<b>Primary Key</b> , identifying the cell carrier.
channelprotectiongsm	float	not null	The Channel Protection - GSM value in dB specified in the Inter-technology pane on the Cell Params tab for a UMTS cell on the site database.
channelprotectionlte	float	not null	The Channel Protection - LTE value in dB specified in the Inter-technology pane on the Cell Params tab for a UMTS cell on the site database.
channelprotectionwifi	float	not null	The Channel Protection - Wi-Fi value in dB specified in the Inter-technology pane on the Cell Params tab for a UMTS cell on the site database.
chanpowfixed	number(2)		Indicates whether the UMTS Channel Power is fixed (1) or not (0). This is defined on the Cell Params tab for a UMTS cell in the Site Database.
codeschemakey	integer		Stores a unique number, associating a particular code schema with the UTMS cell.
codeschematype	integer		Specifies the type of code schema used. For a UMTS cell it will indicate ScramCode(2304). For a WiMAX cell it will indicate PNIndex(2305). Type(0) is unknown.
commonchanpwr	float		Stores the common channel power in dBms.
dlnoiserisetermgsm	float	not null	The DL Noise Rise (Terminals) - GSM value in dB specified in the Inter-technology pane on the Cell Params tab for a UMTS cell on the site database.
dlnoiserisetermlte	float	not null	The DL Noise Rise (Terminals) - LTE value in dB specified in the Inter-technology pane on the Cell Params tab for a UMTS cell on the site database.
dlnoiserisetermwifi	float	not null	The DL Noise Rise (Terminals) - Wi-Fi value in dB specified in the Inter-technology pane on the Cell Params tab for a UMTS cell on the site database.
dlpower	float		Downlink traffic power.
downlink-loadinglevel	float		Downlink Loading Level (%).
dschontdd	integer	not null	Indicates whether the DSCH channel is on (1) or not (0). This is defined on the Cell Params tab for a UMTS cell in the Site Database. TDD only.
dschpwrtdd	float	not null	The DSCH power (in dBm), defined on the WiMAX Params tab in the Site Database dialog box. TDD only.

Name	DataType	Constraint	Description
eagchact	float	not null	Stores the value in the E-AGCH Activity Factor field on the Cell Params tab for a UMTS cell in the Site Database.
eagchon	number	not null	Stores the value in the E-AGCH Power Channel On field on the Cell Params tab for a UMTS cell in the Site Database.
eagchpower	float	not null	Stores the value in the E-AGCH Power (dBm) field on the Cell Params tab for a UMTS cell in the Site Database.
ehichact	float	not null	Stores the value in the E-HICH Activity Factor field on the Cell Params tab for a UMTS cell in the Site Database.
ehichon	number	not null	Stores the value in the E-HICH Power Channel On field on the Cell Params tab for a UMTS cell in the Site Database.
ehichpower	float	not null	Stores the value in the E-HICH Power (dBm) field on the Cell Params tab for a UMTS cell in the Site Database.
ergchact	float	not null	Stores the value in the E-RGCH Activity Factor field on the Cell Params tab for a UMTS cell in the Site Database.
ergchon	number	not null	Stores the value in the E-RGCH Power Channel On field on the Cell Params tab for a UMTS cell in the Site Database.
ergchpower	float	not null	Stores the value in the E-RGCH Power (dBm) field on the Cell Params tab for a UMTS cell in the Site Database.
handovermargin	float		Handover Margin (dB).
HSDPAdltraffpwrdbm	float		Indicates the downlink HSDPA Traffic Power (in dBm) on the Cell Params tab in the Site Database.
HSDPAPowFixed	integer	not null	Indicates whether the HSDPA Power Fixed option is set to True (1) or False (0) on the Cell Params tab in the Site Database.
hsscchmeanpower	double	not null	Stores the value in the Mean HS-SCCH Power (dBm) field on the Cell Params tab for a UMTS cell in the Site Database.
hssccpower	double	not null	Stores the value in the HS-SCCH Power (dBm) field on the Cell Params tab for a UMTS cell in the Site Database.
maxactivesetsize	number(38)		The Active Set Size, defined on the Cell Params tab for a UMTS cell in the Site Database.
maxhsdpapwr	float	not null	The HSDPA Power (in dBm), defined on the Cell Params tab for a UMTS cell in the Site Database.
maxtxdlpowfixed	number(2)		Indicates whether the Max Tx Power is fixed (1) or not (0). This is defined on the Cell Params tab for a UMTS cell in the Site Database.
maxtxpower	float		The Max Tx Power (in dBm), defined on the Cell Params tab for a UMTS cell in the Site Database.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
multiuserdetectionfactor	float		Multi User Detection Factor (0-1). TDD only.
noiserise	float		The Noise Rise Limit (in dB), defined on the Cell Params tab for a UMTS cell in the Site Database.

Name	DataType	Constraint	Description
orthogfactor	float		The Orthogonality Factor, defined on the Cell Params tab for a UMTS cell in the Site Database.
otsrsplitterloss	float	not null	The OTSR Splitter Loss, defined on the Cell Params tab for a UMTS cell in the Site Database.
pccpchon	integer	not null	Indicates whether the P-CCPCH Power Channel is ON (1) or OFF (0). This is defined on the Cell Params tab for a UMTS cell in the Site Database.
pichact	float	not null	The PICH Power Activity Factor, defined on the Cell Params tab for a UMTS cell in the Site Database.
pichon	integer	not null	Indicates whether the PICH Power Channel is ON (1) or OFF (0). This is defined on the Cell Params tab for a UMTS cell in the Site Database.
pichpwr	float	not null	The PICH Power (in dBm), defined on the Cell Params tab for a UMTS cell in the Site Database.
pilotpower	float		The Pilot Power (in dBm), defined on the Cell Params tab for a UMTS cell in the Site Database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
pschon	integer	not null	Indicates whether the P-SCH Power Channel is ON (1) or OFF (0). This is defined on the Cell Params tab for a UMTS cell in the Site Database.
relpwrs	integer	not null	Indicates whether the CCCH Powers Relative To Pilot is set to YES (1) or NO (0). This is defined on the Cell Params tab for a UMTS cell in the Site Database.
sccpchact	float	not null	The S-CCPCH Power Activity Factor, defined on the Cell Params tab for a UMTS cell in the Site Database.
sccpchon	integer	not null	Indicates whether the S-CCPCH Power Channel is ON (1) or OFF (0). This is defined on the Cell Params tab for a UMTS cell in the Site Database.
scramblingcode	number(38)		The Scrambling Code, defined on the Cell Params tab for a UMTS cell in the Site Database.
scramcodegrp	number(38)		The Scrambling Code Group, defined on the Cell Params tab for a UMTS cell in the Site Database.
seccmnchpow	float		The secondary common channel power.
secsynchpow	float		The secondary synchronization channel power.
softhosrchwnd	float		The Soft Handover Window (in dB), defined on the Cell Params tab for a UMTS cell in the Site Database.
sschon	integer	not null	Indicates whether the S-SCH Power Channel is ON (1) or OFF (0). This is defined on the Cell Params tab for a UMTS cell in the Site Database.
suphsdpa	integer	not null	Indicates whether the HSDPA Support option has been selected (1) or not (0). This is defined on the HSDPA tab for a UMTS cell in the Site Database.
synchchanpwr	float		The synchronized channel power.
txpowfixed	number(2)		Indicates whether the Fixed option for the Max DL Power per Connection has been selected (1) or not (0). This is defined on the Load&Power Ctrl tab for a UMTS cell in the Site Database.
ulnoiserise	float		The Uplink Noise Rise (in dB), defined on the Cell Params tab for a UMTS cell in the Site Database.

Name	DataType	Constraint	Description
ulnoiserisecelltermgsm	float	not null	The UL Noise Rise (Cells and Terminals) - GSM value in dB specified in the Inter-technology pane on the Cell Params tab for a UMTS cell on the site database.
ulnoiserisecelltermlte	float	not null	The UL Noise Rise (Cells and Terminals) - LTE value in dB specified in the Inter-technology pane on the Cell Params tab for a UMTS cell on the site database.
ulnoiserisecelltermwifi	float	not null	The UL Noise Rise (Cells and Terminals) - Wi-Fi value in dB specified in the Inter-technology pane on the Cell Params tab for a UMTS cell on the site database.
umtscellfk	number(38)	not null	Foreign key identifying the parent cell.

**Foreign Keys:**

- FK1 (projectno + umtscellfk) references the LOGUMTSCELL table
- FK2 (projectno + carrierfk) references the LOGUMTSCAR table

**Table LOGWIFICAR**

This table shows the column list:

Name	Data Type	Constraint	Description
carrierpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each Wi-Fi carrier in the database.
lognodefk	number(38)		Stores a unique number, associating the logical Wi-Fi carrier with a particular logical node.
lognodedtypefk	number(38)	not null	Foreign key referencing the MUNODE table.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
wificarrierfk	number(38)	not null	Foreign key referencing the Wi-Fi carrier used.

**Foreign Keys:**

- FK1 (projectno + lognodefk + lognodedtypefk) references the MUNODE table
- FK2 (projectno + wificarrierfk) references the WIFICARRIER table

## Table LOGWIFICELL

This table shows the column list:

Name	Data Type	Constraint	Description
activation	number(38)		Indicates whether the Active option is selected (1) or not (0) in the ASSET Design pane of the General tab for a Wi-Fi cell in the Site Database.
cellid	number(38)		The Cell Identity, defined on the General tab for a Wi-Fi cell in the Site Database.
celloverridecolorref	number(38)		Indicates whether the Override option in the Service Area Colour pane of the General tab for a Wi-Fi cell in the Site Database is selected (1) or not (0).
cellparamspk	number(38)	not null	<b>Primary key</b> , identifying cell parameters.
crangroup	varchar(128)		The C-RAN Group ID defined in the C-RAN pane of the General tab for a Wi-Fi cell in the Site Database.
csarea	float	not null	The Cell Service Area in square kilometres defined in the Cell Service pane of the General tab for a Wi-Fi cell in the Site Database.
csrange	float	not null	The Cell Service Range in kilometres defined in the Cell Service pane of the General tab for a Wi-Fi cell in the Site Database.
indoorschemafk	number(38)	not null	Stores a unique identifier for a schema listed in the Schema Name column of the Clutter Losses dialog box opened by selecting Indoor Loss under Clutter Parameters from the Configuration menu on the ASSET tab.
logcellfk	number(38)	not null	Foreign key, identifying the cell.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
secname	varchar(128)		The Cell Name or sector name, defined on the General tab for a cell or sector in the Site Database.
signallingoverhead	float		The percentage signalling overhead defined on the Carried Traffic tab for a Wi-Fi cell in the Site Database.

### Foreign Keys:

- FK1 (project no + logcellfk) references the LOGCELL table
- FK2 (projectno + indoorschemafk) references the TGCLUTTERLOSSSCHEMA table

## Table LOGWIFICELLCAR

This table shows the column list:

Name	DataType	Constraint	Description
carrierfk	number(38)	not null	Foreign key, identifying the carrier used from the node.
cellcarrierpk	number(38)	not null	<b>Primary Key</b> , identifying the cell carrier.
dlcapacity	float		The Downlink Capacity in Mbps defined on the Wi-Fi Params tab for a Wi-Fi cell in the Site Database.
dlcvrgthold	float		The Downlink Coverage Threshold in dBm defined on the Wi-Fi Params tab for a Wi-Fi cell in the Site Database.
dldistancethold	float		The Downlink Distance Threshold in metres defined on the Wi-Fi Params tab for a Wi-Fi cell in the Site Database.
dlresvdcapacity	float		The Downlink Reserved Capacity in Mbps defined on the Wi-Fi Params tab for a Wi-Fi cell in the Site Database.
maxusers	float		The maximum number of users defined on the Wi-Fi Params tab for a Wi-Fi cell in the Site Database.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
txpower	float		The TX Power in dBm defined on the Wi-Fi Params tab for a Wi-Fi cell in the Site Database.
ulcapacity	float		The Uplink Capacity in Mbps defined on the Wi-Fi Params tab for a Wi-Fi cell in the Site Database.
ulresvdcapacity	float		The Uplink Reserved capacity in Mbps defined on the Wi-Fi Params tab for a Wi-Fi cell in the Site Database.
wificellfk			Foreign key identifying the parent cell.

### Foreign Keys:

- FK1 (projectno + wificellfk) references the LOGWIFICELL table
- FK2 (projectno + carrierfk) references the LOGWIFICAR table

## Table LOGWIMAXCELLCAR

This table shows the column list:

Name	DataType	Constraint	Description
carrierfk	number(38)	not null	Foreign key, identifying the carrier used from the node.
cellbgrndnoise	float		Stores the value of the cell background noise.
cellcarrierpk	number(38)	not null	<b>Primary Key</b> , identifying the cell carrier.

Name	DataType	Constraint	Description
controlact	float	not null	The control activity, defined on the WiMAX Params tab for a WiMAX cell in the Site Database.
controlpwr	float	not null	The control power (in dBm) (WiMAX).
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
noiserise	float		The Noise Rise Limit (in dB), defined on the Cell Params tab for a UMTS cell in the Site Database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rxsens	float	not null	The receiver sensitivity (in dBm) defined on the WiMAX Params tab for a Fixed WiMAX cell in the Site Database.
subchannel	integer	not null	Sub-Channelisation
wimaxcellfk			Foreign key identifying the parent cell.
wimaxdltraff_pwrddm	float		Indicates the downlink Traffic Power (in dBm) for WiMAX on the WiMAX Params tab in the Site Database.
wimaxtxpowfixed	number(2)		Indicates whether the Fix Tx Power option has been selected (1) or not (0). This is defined on the Mobile WiMAX Params tab for a Mobile WiMAX cell in the Site Database.
wimaxtxpwr	float		The WiMAX transmitter power (in dBm), defined on the WiMAX Params tab for a WiMAX cell in the Site Database.

**Foreign Keys:**

- FK1 (projectno + wimaxcellfk) references the LOGWIMAXCELL table
- FK2 (projectno + carrierfk) references the LOGWIMAXCAR table

**Table LOGWIMAXMOBCAR**

This table shows the column list:

Name	DataType	Constraint	Description
carrierpk	number(38)	not null	<b>Primary key</b> , identifying the carrier.
lognodefk	number(38)	not null	Foreign key referencing the logical node used.
lognodedtypefk	number(38)	not null	Foreign key referencing the MUNODE table.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
preamblefreq	number(38)		Indicates the preamble frequency reuse on the Carriers tab of the Site Database dialog box for a node.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
subchandlamc	number(38)		Indicates the resource pooling method for the downlink AMC on the Carriers tab of the Site Database dialog box for a node: Node Carrier(0), Sector(1).

Name	DataType	Constraint	Description
subchandlfusc	number(38)		Indicates the resource pooling method for the downlink FUSC on the Carriers tab of the Site Database dialog box for a node: Node Carrier(0), Sector(1).
subchandlopusc	number(38)		Indicates the resource pooling method for the downlink OPUSC on the Carriers tab of the Site Database dialog box for a node: Node Carrier(0), Sector(1).
subchandlpusc	number(38)		Indicates the resource pooling method for the downlink PUSC on the Carriers tab of the Site Database dialog box for a node: Node Carrier(0), Sector(1).
subchanulamc	number(38)		Indicates the resource pooling method for the uplink AMC on the Carriers tab of the Site Database dialog box for a node: Node Carrier(0), Sector(1).
subchanulopusc	number(38)		Indicates the resource pooling method for the uplink OPUSC on the Carriers tab of the Site Database dialog box for a node: Node Carrier(0), Sector(1).
subchanulpusc	number(38)		Indicates the resource pooling method for the uplink PUSC on the Carriers tab of the Site Database dialog box for a node: Node Carrier(0), Sector(1).
wimaxmobcarrierfk	number(38)	not null	Foreign key referencing the mobile WiMAX carrier used.

**Foreign Keys:**

- FK1 (projectno + lognodefk + lognodeltypefk) references the MUNODE table
- FK2 (projectno + wimaxmobcarrierfk) references the WIMAXMOBCARRIER table

**Table LOGWIMAXCAR**

This table shows the column list:

Name	Data Type	Constraint	Description
carrierpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each Fixed WiMAX carrier in the database.
lognodefk	number(38)		Stores a unique number, associating the logical WiMAX carrier with a particular logical node.
lognodeltypefk	number(38)	not null	Foreign key referencing the MUNODE table.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
wimaxcarrierfk	number(38)	not null	Foreign key referencing the Fixed WiMAX carrier used.

**Foreign Keys:**

- FK1 (projectno + lognodefk + lognodeltypefk) references the MUNODE table
- FK2 (projectno + wimaxcarrierfk) references the WIMAXCARRIER table

## Table LOGWIMAXCELL

This table shows the column list:

Name	Data Type	Constraint	Description
activation	number(38)		Indicates whether the Active option is selected (1) or not (0) in the ASSET Design pane of the General tab for a WiMAX cell in the Site Database.
cellid	number(38)		The Cell Identity, defined on the General tab for a Fixed WiMAX cell in the Site Database.
celloverridecolorref	number(38)		Indicates whether the Override option in the Service Area Colour pane of the General tab for a WiMAX cell in the Site Database is selected (1) or not (0).
cellparamspk	number(38)	not null	<b>Primary key</b> , identifying cell parameters.
csarea	float	not null	The Cell Service Area in square kilometres defined in the Cell Service pane of the General tab for a WiMAX cell in the Site Database.
csrange	float	not null	The Cell Service Range in kilometres defined in the Cell Service pane of the General tab for a WiMAX cell in the Site Database.
indoorschmefk	number(38)	not null	Stores a unique identifier for a schema listed in the Schema Name column of the Clutter Losses dialog box opened by selecting Indoor Loss under Clutter Parameters from the Configuration menu on the ASSET tab.
logcellfk	number(38)		Foreign key, identifying the cell.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
secname	varchar2(128)		The Cell Name or sector name, defined on the General tab for a cell or sector in the Site Database.
signallingoverhead	float		The Signalling Overhead percentage defined on the Carried Traffic tab for a logical Fixed WiMAX cell in the Site Database.

### Foreign Keys:

- FK1 (project no + logcellfk) references the LOGCELL table
- FK2 (projectno + indoorschmefk) references the TGCLUTTERLOSSSCHEMA table

## Table LOGWIMAXMOBCELL

This table shows the column list:

Name	Data Type	Constraint	Description
activation	number(38)		Indicates whether the Active option is selected (1) or not (0) in the ASSET Design pane of the General tab for a Mobile WiMAX cell in the Site Database.
cellid	number(38)		The Cell Identity, defined on the General tab for a Mobile WiMAX cell in the Site Database.

Name	Data Type	Constraint	Description
celloverridecolorref	number(38)		Indicates whether the Override option in the Service Area Colour pane of the General tab for a Mobile WiMAX cell in the Site Database is selected (1) or not (0).
cellparamspk	number(38)	not null	<b>Primary key</b> , identifying cell parameters.
csarea	float	not null	The Cell Service Area in square kilometres defined in the Cell Service pane of the General tab for a Mobile WiMAX cell in the Site Database.
csrange	float	not null	The Cell Service Range in kilometres defined in the Cell Service pane of the General tab for a Mobile WiMAX cell in the Site Database.
indoorschemafk	number(38)	not null	Stores a unique identifier for a schema listed in the Schema Name column of the Clutter Losses dialog box opened by selecting Indoor Loss under Clutter Parameters from the Configuration menu on the ASSET tab.
logcellfk	number(38)		<b>Primary key</b> , identifying the cell.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
secname	varchar2(128)		The Cell Name or sector name, defined on the General tab for a cell or sector in the Site Database.
signallingoverhead	float		The Signalling Overhead percentage defined on the Carried Traffic tab for a Mobile WiMAX cell in the Site Database.

**Foreign Keys:**

- FK1 (project no + logcellfk) references the LOGCELL table
- FK2 (projectno + indoorschemafk) references the TGCLUTTERLOSSSCHEMA table

**Table LOGWIMAXMOBCELLCAR**

This table shows the column list:

Name	Data Type	Constraint	Description
carrierfk	number(38)	not null	Foreign key, identifying the carrier used from the node.
cellbgrndnoise	float		Stores the value of the cell background noise.
cellcarrierpk	number(38)	not null	<b>Primary Key</b> , identifying the cell carrier.
codeschemakey	integer		Stores a unique number, associating a particular code schema with the Mobile WiMAX cell.
codeschematype	integer		Specifies the type of code schema used. For a WiMAX cell it will indicate PNIndex(2305). Type(0) is unknown.
dlttrafficload	float	not null	The downlink traffic load percentage defined on the Mobile WiMAX Parameters tab of the Site Database for a WiMAX Mobile cell.
maxtxpower	float		The Max Tx Power (in dBm), defined on the Cell Params tab for a Mobile WiMAX cell in the Site Database.

Name	Data Type	Constraint	Description
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
modulation	integer	not null	Stores a number no greater than 7 representing a combination of the following modulation types (added together): QPSK(1), QAM16(2), QAM64(4).
pilotboosting	float		The pilot boosting factor (in dB) on the Mobile WiMAX Params tab for a Mobile WiMAX cell in the Site Database.
pilotpowfixed	number(2)		Indicates whether the Fix Pilot Power option has been selected (1) or not (0). This is defined on the Mobile WiMAX Params tab for a Mobile WiMAX cell in the Site Database.
preambleboosting	float		The preamble boosting factor (in dB) on the Mobile WiMAX Params tab for a Mobile WiMAX cell in the Site Database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rxmlobsens	float		The receiver sensitivity (in dBm) defined on the Mobile WiMAX Params tab for a Mobile WiMAX cell in the Site Database.
txpowfixed	number(2)		Indicates whether the Fixed option for the Max DL Power per Connection has been selected (1) or not (0). This is defined on the Load&Power Ctrl tab for a Mobile WiMAX cell in the Site Database.
ulnoiserise	float		The Uplink Noise Rise (in dB), defined on the Cell Params tab for a UMTS cell in the Site Database.
wimaxmobcarrierfreq	float	not null	The carrier assigned to a cell on the Mobile WiMAX Params tab for a Mobile WiMAX cell in the Site Database.
wimaxmobcellfk	number(38)	not null	Foreign key identifying the parent cell.
wimaxmobpuscsectors	number(38)	not null	The PUSC groups allocated to a cell on the Mobile WiMAX Params tab for a Mobile WiMAX cell in the Site Database.
wimaxpnindex	number(38)	not null	The PN Code Index assigned to a cell on the Mobile WiMAX Params tab for a Mobile WiMAX cell in the Site Database.

**Foreign Keys:**

- FK1 (projectno + wimaxmobcellfk) references the LOGWIMAXMOBCELL table
- FK2 (projectno + carrierfk) references the LOGWIMAXMOBCAR table

## Table MUNODE

This table shows the column list:

Name	Data Type	Constraint	Description
aggregatecapacity	number(38)		Indicates whether the Aggregate Capacity? option is selected (1) or not (0) in the Capacity Status pane of the Carried Traffic tab for an MU node in the Site Database.
btsfixed	number(38)		NOT USED.
btskey	number(38)		Stores a unique number associating the node with a particular BTS.
cabinkey	number(38)		Stores a unique number associating a particular cabin with the node.
dc_identity	varchar2(128)		The value in the DC Identity field of the Dual Connectivity pane on the General tab for an MU node in the Site Database.
dc_support_en	number(38)		Indicates whether the EN-DC option is selected (1) or not (0) in the Dual Connectivity pane of the General tab for an MU node in the Site Database.
dc_support_inter	number(38)		Indicates whether the Enable Inter-Node DC option is selected (1) or not (0) in the Dual Connectivity pane of the General tab for an MU node in the Site Database.
dc_support_lte	number(38)		Indicates whether the LTE-DC option is selected (1) or not (0) in the Dual Connectivity pane of the General tab for an MU node in the Site Database.
dc_support_ne	number(38)		Indicates whether the NE-DC option is selected (1) or not (0) in the Dual Connectivity pane of the General tab for an MU node in the Site Database.
dc_support_nr	number(38)		Indicates whether the NR-DC option is selected (1) or not (0) in the Dual Connectivity pane of the General tab for an MU node in the Site Database.
elteflag	number(38)		Indicates whether the eLTE Mode option is selected (1) or not (0) in the Node pane of the General tab for an MU node in the Site Database.
gnodebid	number(38)		The NR gNB ID defined in the Node pane of the General tab for an MU node in the Site Database.
grdcstrntflags	number(38)		Indicates whether the Site Always Active and Fixed Site DB Sector Configuration options are selected on the Grid Constraints tab for an MU node in the Site Database: Neither (0) Fixed Site DB Sector Configuration only (1) Site Always Active only (4) Both (5)
hexradius	float		The Radius in metres defined in the Hexagon Display Radius pane of the General tab for an MU node in the Site Database.
lognodepk	number(38)	not null	<b>Primary key</b> , storing a unique number associating the node with a particular logical node type.
lognodetypefk	number(38)	not null	Stores a unique number associating the node with a particular logical node type.

Name	Data Type	Constraint	Description
ltenodebid	number(38)		The LTE eNB ID defined in the Node pane of the General tab for an MU node in the Site Database. -1 = unknown.
maxsectors	number(38)		The Max. Sectors defined in the Sectors Configuration Generator pane of the Grid Constraints tab for an MU node in the Site Database.
minsectors	number(38)		The Min. Sectors defined in the Sectors Configuration Generator pane of the Grid Constraints tab for an MU node in the Site Database.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
networklevel	number(38)		NOT USED.
nfvelement	number(38)		Indicates whether the Virtual Network Element (VNE) option is selected (1) or not (0) in the Network Function Virtualisation pane of the General tab for an MU node in the Site Database.
nfvhostid	varchar2(128)		The Host Server ID defined in the Network Function Virtualisation pane on the General tab for an MU node in the Site Database.
nodebtypefk	number(38)		Stores a unique number, associating the MU node with a particular Node B type.
nodeid	number(38)		The Node-id defined in the Node ID pane on the General tab for an MU node in the Site Database.
numchanspool	number(38)		The Number of Channels. Defined on the Channel Pool subtab of the Params tab for a CDMA sector on an MU node in the Site Database.
projectno	number(38)		<b>Primary key</b> , storing a unique number for each project in a database.
res1dhlo	number(38)		The DL Max # of Handover defined on the Resource: Limits sub-tab of the UMTS tab for an MU node in the Site Database.
res1dlpri	number(38)		The DL Max # of Primary defined on the Resource: Limits sub-tab of the UMTS tab for an MU node in the Site Database.
res1dltot	number(38)		The DL Total # of Resources defined on the Resource: Limits sub-tab of the UMTS tab for an MU node in the Site Database.
res1ulho	number(38)		The UL Max # of Handover defined on the Resource: Limits sub-tab of the UMTS tab for an MU node in the Site Database.
res1ulpri	number(38)		The UL Max # of Primary defined on the Resource: Limits sub-tab of the UMTS tab for an MU node in the Site Database.
res1ultot	number(38)		The UL Total # of Resources defined on the Resource: Limits sub-tab of the UMTS tab for an MU node in the Site Database.
res2dhlo	number(38)		The DL Max # of Handover defined for a node, carrier or cell according to the Resource 2 type specified in the Node Types dialog box.
res2dlpri	number(38)		The DL Max # of Primary defined for a node, carrier or cell according to the Resource 2 type specified in the Node Types dialog box.

Name	Data Type	Constraint	Description
res2dltot	number(38)		The DL Total # of Resources defined for a node, carrier or cell according to the Resource 2 type specified in the Node Types dialog box.
res2ulho	number(38)		The UL Max # of Handover defined for a node, carrier or cell according to the Resource 2 type specified in the Node Types dialog box.
res2ulpri	number(38)		The UL Max # of Primary defined for a node, carrier or cell according to the Resource 2 type specified in the Node Types dialog box.
res2ultot	number(38)		The UL Total # of Resources defined for a node, carrier or cell according to the Resource 2 type specified in the Node Types dialog box.
res3dhlo	number(38)		The DL Max # of Handover defined for a node, carrier or cell according to the Resource 3 type specified in the Node Types dialog box.
res3dlpri	number(38)		The DL Max # of Primary defined for a node, carrier or cell according to the Resource 3 type specified in the Node Types dialog box.
res3dltot	number(38)		The DL Total # of Resources defined for a node, carrier or cell according to the Resource 3 type specified in the Node Types dialog box.
res3ulho	number(38)		The UL Max # of Handover defined for a node, carrier or cell according to the Resource 3 type specified in the Node Types dialog box.
res3ulpri	number(38)		The UL Max # of Primary defined for a node, carrier or cell according to the Resource 3 type specified in the Node Types dialog box.
res3ultot	number(38)		The UL Total # of Resources defined for a node, carrier or cell according to the Resource 3 type specified in the Node Types dialog box.
supportedtechnology	number(38)	not null	Indicates which technologies are selected with the Enable Technology option on their respective technology tabs for an MU node in the Site Database.
supportedtechnologydata	number(38)	not null	Indicates unremoved technologies not currently selected with the Enable Technology option on their respective technology tabs for an MU node in the Site Database.
towerkey	number(38)		<b>Primary key</b> , storing a unique number for each mast in the database.

#### Foreign Keys:

- FK1 (projectno + lognodepk + lognodeltypefk) references the LOGNODE table
- FK2 (lognodeltypefk) references the LOGNODETYPE table
- FK3 (projectno + cabinkey) references the CABIN table
- FK4 (projectno + towerkey) references the TOWER table
- FK5 (projectno + btskey) references the BTS table

## Table PHYANTENNA

This table shows the column list:

Name	Data Type	Constraint	Description
addressfk	number(38)		Foreign key storing the ID of the Property to which the Physical Antenna belongs.
availsyncret groups	number(38)	not null	The RET Groups defined on the Physical Antennas tab for a property on the Site Database.
azimuth	float		The Azimuth (in degrees), defined on the Physical Antennas tab for a property in the Site Database.
azimuthfixed	number(38)		Indicates whether the azimuth has been fixed (1) or not (0) on the Physical Antennas tab for a property in the Site Database.
custom1	varchar2(255)		NOT USED
custom2	varchar2(255)		NOT USED
custom3	varchar2(255)		NOT USED
custom4	number(38)		NOT USED
custom5	number(38)		NOT USED
custom6	number(38)		NOT USED
devicefixed	number(38)		The Device Fixed value defined on the Physical Antennas tab for a property in the Site Database.
devicefk	number(38)		Foreign key indicating which antenna device is associated with this Physical Antenna.
height	float		The antenna Height (in m), defined on the Physical Antennas tab for a property in the Site Database.
heightfixed	number(38)		Indicates whether the height has been fixed (1) or not (0) on the Physical Antennas tab for a property in the Site Database.
heightoffset	float		The Height-Pred Offset in metres defined on the Physical Antennas tab for a property in the Site Database.
instanceid	varchar2(128)		The Instance ID defined on the Physical Antennas tab for a property in the Site Database.
location	sdo_geometry		Coordinates giving the location of the antenna, defined on the Physical Antennas tab for a property in the Site Database.
masterpattern1fk to masterpattern8fk	numbers(38)	not null	Represent the masterpattern 1 to 8 values defined on the Physical Antennas tab for a property in the Site Database.
maxforbidden azmth	number(38)		The Forbidden Azimuth Max value defined on the Physical Antennas tab for a property in the Site Database.
maxmechtilt	number(38)		Indicates the enabled Max Mechanical Downtilt, defined on the Physical Antennas tab for a property in the Site Database.  If the Max Mechanical Downtilt has not been enabled, but still has a value, then the value shown will be equal to:  270 + Value

Name	Data Type	Constraint	Description
maxmechtiltfixed	number(38)		Indicates whether the Max Mechanical Downtilt has been fixed (1) or not (0) on the Physical Antennas tab for a property in the Site Database.
mechdownfixed	number(38)		Indicates whether the Mechanical Downtilt has been fixed (1) or not (0) on the Physical Antennas tab for a property in the Site Database.
mechtiltstep	number(38)		Indicates the enabled Mechanical Downtilt Step value, defined on the Physical Antennas tab for a property in the Site Database.  If the Mechanical Downtilt Step has not been enabled, but still has a value, then the value shown will be equal to:  180 + Step Value
mechtiltstepfixed	number(38)		Indicates whether the Mechanical Downtilt step has been fixed (1) or not (0) on the Physical Antennas tab for a property in the Site Database.
minforbiddenazmth	number(38)		The Forbidden Azimuth Min value defined on the Physical Antennas tab for a property in the Site Database.
minmechtilt	number(38)		Indicates the enabled Min Mechanical Downtilt, defined on the Physical Antennas tab for a property in the Site Database.  If the Min Mechanical Downtilt has not been enabled, but still has a value, then the value shown will be equal to:  270 + Value
minmechtiltfixed	number(38)		Indicates whether the Min Mechanical Downtilt has been fixed (1) or not (0) on the Physical Antennas tab for a property in the Site Database.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
phyantennapk	number(38)	not null	<b>Primary key</b> , identifying the Physical Antenna.
phyindex	number(38)		The Index number defined on the Physical Antennas tab for a property in the Site Database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
relative	number(38)		Indicates whether Absolute has been selected (0), or not (1), on the Physical Antennas tab for a property in the Site Database.
spatialdiv	number(38)		Indicates whether Spatial Diversity has been selected (1), or not (0), on the Physical Antennas tab for a property in the Site Database.
tilt	float		The Tilt value defined on the Physical Antennas tab for a property in the Site Database.
Upgradeunit	number(38)		Indicates the coordinate unit when EPSG is not set.
Useforbidden	number(38)		Indicates whether Use Forbidden has been selected (1), or not (0), on the Physical Antennas tab for a property in the Site Database.

**Foreign Keys:**

- FK1 (projectno + addressfk) references the SITEADDRESS table

## Table PHYANTENNAPORT

This table shows the column list:

Name	Data Type	Constraint	Description
addressfk	number		Foreign key storing the ID of the Property to which the Physical Antenna Port belongs.
custom1	varchar(1000)		The SpareField1 value defined on the Physical Antennas tab for a property in the Site Database.
custom2	varchar(1000)		The SpareField2 value defined on the Physical Antennas tab for a property in the Site Database.
custom3	varchar(1000)		The SpareField3 value defined on the Physical Antennas tab for a property in the Site Database.
custom4	varchar(1000)		The SpareField4 value defined on the Physical Antennas tab for a property in the Site Database.
custom5	varchar(1000)		The SpareField5 value defined on the Physical Antennas tab for a property in the Site Database.
custom6	varchar(1000)		The SpareField6 value defined on the Physical Antennas tab for a property in the Site Database.
custom7	varchar(1000)		The SpareField7 value defined on the Physical Antennas tab for a property in the Site Database.
custom8	varchar(1000)		The SpareField8 value defined on the Physical Antennas tab for a property in the Site Database.
diplexid1	varchar(255)		The DiplexerId1 identifier defined on the Physical Antennas tab for a property in the Site Database.
diplexid2	varchar(255)		The DiplexerId2 identifier defined on the Physical Antennas tab for a property in the Site Database.
diplexid3	varchar(255)		The DiplexerId3 identifier defined on the Physical Antennas tab for a property in the Site Database.
diplexid4	varchar(255)		The DiplexerId4 identifier defined on the Physical Antennas tab for a property in the Site Database.
diplexinfo1	varchar(2000)		The DiplexerConn1 information defined on the Physical Antennas tab for a property in the Site Database.
diplexinfo2	varchar(2000)		The DiplexerConn2 information defined on the Physical Antennas tab for a property in the Site Database.
diplexinfo3	varchar(2000)		The DiplexerConn3 information defined on the Physical Antennas tab for a property in the Site Database.
diplexinfo4	varchar(2000)		The DiplexerConn4 information defined on the Physical Antennas tab for a property in the Site Database.
feederinfo	varchar(255)		The FeederInfo information defined on the Physical Antennas tab for a property in the Site Database.
feederlength	float		The FeederLength information defined on the Physical Antennas tab for a property in the Site Database.
feedertype	varchar(255)		The FeederType information defined on the Physical Antennas tab for a property in the Site Database.
mhagain	float		The MHAGain value defined on the Physical Antennas tab for a property in the Site Database.

Name	Data Type	Constraint	Description
mhainfo	varchar(255)		The MHAIInfo value defined on the Physical Antennas tab for a property in the Site Database.
mhatype	varchar(255)		The MHAType value defined on the Physical Antennas tab for a property in the Site Database.
modifyuser	number		Stores a number indicating the last user who made changes to the table.
phyantennafk	number		Foreign key, identifying the Physical Antenna.
phyantportpk	number	not null	<b>Primary key</b> , identifying the Physical Antenna.
portindex	number		The Index value defined on the Physical Antennas tab for a property in the Site Database.
portinfo	varchar(255)		The Info data defined on the Physical Antennas tab for a property in the Site Database.
projectno	number	not null	<b>Primary key</b> , storing a unique number for each project in a database.
retid	varchar(255)		The RETId value defined on the Physical Antennas tab for a property in the Site Database.
rruelements	number		The RRUElements defined on the Physical Antennas tab for a property in the Site Database.
rruinfo	varchar(255)		The RRUIInfo defined on the Physical Antennas tab for a property in the Site Database.

**Foreign Keys:**

- FK1 (projectno + phyantennafk) references the PHYANTENNA table

**Table SITEADDRESS**

This table shows the column list:

Name	DataType	Constraint	Description
address1	varchar2(128)		Address line 1, defined on the Address tab for a Property in the Site Database.
address2	varchar2(128)		Address line 2, defined on the Address tab for a Property in the Site Database.
addresskey	integer	not null	<b>Primary key</b> , storing a unique number for each Property in the database.
antcolocation	integer		NOT USED.
antheightlist	varchar2(1024)		NOT USED.
antheightrule	integer		NOT USED.
antsamecell	integer		NOT USED.
antstepsize	float		NOT USED.
assocmast	integer		NOT USED.
buildingheight	integer		NOT USED.
comments	varchar2(255)		Optional description that can be added to each Property.
coords	mdsys.sdo_geometry		Stores the coordinates of the Property, which are defined on the General tab for a Property in the Site Database.

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
directkey	integer		NOT USED.
flagvalue	varchar2(255)		Stores a unique value, associating a particular field with the object.
gndheight	float(64)		The Ground Height of the Property (in m), defined on the General tab for a Property in the Site Database.
gridconstrflags	integer		Indicates if grid planning constraints have been selected on this Property - None (0), Location Fixed (1), Always Consider (2) or both (3).
idname	varchar2(128)	not null	The Property ID, defined on the General tab for a Property in the Site Database.
locksearcharea	integer		Indicates whether the Prevent changes to search area option is selected (0) or not (1). This is defined on the Search Area tab for a Property in the Site Database.
mastexcluded	varchar2(512)		NOT USED.
mastspace	float		NOT USED.
maxheight	float		NOT USED.
minazimdiff	integer		NOT USED.
minheight	float		NOT USED.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
mounting	integer		NOT USED.
mttr	float(64)		NOT USED.
nominalid	integer		Stores the id of the nominal property.
optimisationstatus	integer		The optimization status, either Nominal (0) or Candidate (1).
panfile	varchar2(255)		NOT USED.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
personkey	integer		Stores a unique number, associating the Property with a particular contact person.
postcode	varchar2(16)		The Post Code, defined on the Address tab for a Property in the Site Database.
precandidatename	varchar2(128)		Stores the previous name of a candidate property (this name is used when candidate status is removed).
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
propertycode	varchar2(32)		The Property Code, defined on the General tab for a Property in the Site Database.

Name	DataType	Constraint	Description
province	varchar2(128)		The County, defined on the Address tab for a Property in the Site Database.
srchoverrideview	integer		Stores the unique property code assigned to each siteaddress
srchrad	float		The Search Area Radius (in m), defined on the Search Area tab for a Property in the Site Database.
state	varchar2(128)		The State, defined on the Address tab for a Property in the Site Database.
targetstatus	integer		Indicates the status of property - Candidate (0), Nominal (1), Preferred Candidate (2) or Not Used (3).
town	varchar2(128)		The Town, defined on the Address tab for a Property in the Site Database.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
visibility	integer		Three digit code that provides the read permissions for the user, the default group they belong to and all other users. For more information on this, see the ENTERPRISE Installation and Administration Guide.
visibilitygroup	integer		Stores a number indicating the user group associated with the user with read permissions for this object.

## Table SITEADDRESS\_GEO

This table describes the column list:

Name	DataType	Constraint	Description
addresskey_fk	number	Not null	Foreign key referencing a property in the SITEADDRESS table.
geocoords	sdo_geometry		Identifies the coordinates of a matching property in the SITEADDRESS table using a single coordinate system for the purpose of spatial operations.
projectno	number	Not null	<b>Primary key</b> , storing a unique number for each project in a database.

## 7 GSM Network Database Tables

The following table describes the analog network database tables:

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + ...)	Diff Table?
BCF	BCFs, defined in the Site Database	bcfkey projectno	FK1 - bcftypekey	YES
BSC	BSCs, defined in the Site Database	projectno sitekey	FK1 - sitekey FK2 - addresskey	YES
BSICSCHEMA	Which combination of colour codes has been used for the BSIC schema	bsicschemapk idname projectno		NO
CARLAYDATA	Carrier layers allocated to each cell layer or subcell in the Site Database	carlaykey cellaydatafk projectno	FK1 - carlaykey FK2 - cellaykey FK3 - cellaydatafk FK4 - cellkey	YES
CELLAYDATA	Cell layers or subcells allocated to cells in the Site Database	cellaydatapk projectno	FK1 - cellaykey FK2 - cellkey	YES
CELLEXCEPT	Exception separation requirements between cells, defined on a cell-by-cell basis in the Site Database	cellkey excellkey projectno	FK1 - cellkey	YES
DISTRIBUTION	Distribution nodes, defined in the Site Database	projectno sitekey	FK1 - sitekey FK2 - addresskey	YES
GSMCELL	Cells associated with BTS sites, created in a GSM or AMPS/TDMA network	cellkey projectno	FK1 - logcellfk FK2 - indoorschemafk	YES
MSC	MSCs, defined in the Site Database	projectno sitekey	FK1 - addresskey	YES

## Table BCF

This table shows the column list:

Name	DataType	Constraint	Description
address	varchar2(128)		Stores the ID of the Property that contains the BCF.
bcfid	integer		The ID code used to identify the BCF.
bcfkey	integer	not null	<b>Primary key</b> , storing a unique value for each BCF in the database.
bcftypekey	integer		Foreign key that describes the BCFTYPE to which a particular BCF is linked.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(128)		Stores the names provided for each BCF in the database.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
name	varchar2(128)		Stores the name of the BCF.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
sitekey	integer	not null	Stores a unique number, associating the BCF with a particular site.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

### Foreign Keys:

- FK1 (projectno + bcftypekey) references the BCFTYPE table

## Table BSC

This table shows the column list:

Name	DataType	Constraint	Description
bscnetworkid	integer		Field that stores an identification value for each BSC.
directkey	integer		NOT USED.
flagvalue	varchar2(255)		Stores a unique value, associating a particular field with the object.
gndheight	float		The Ground Height of the BSC (in m), defined on the General tab for a BSC in the Site Database.
lognodepk	number(38)	not null	<b>Primary key</b> , storing a unique number for each logical node in the network.

Name	DataType	Constraint	Description
lognodepk	number(38)	not null	Stores a unique number, associating the BSC with a particular logical node type.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
photofile	varchar2(260)		Stores the file path to a site photo associated with the BSC, defined on the General tab for a BSC in the Site Database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
smlcid	varchar2(32)	not null	The SMLC Identity, defined on the SMLC tab for a BSC in the Site Database.
srchrad	float		Stores the search radius defined for each network element.

#### Foreign Keys:

- FK1 (projectno + lognodepk + lognodepk) references the LOGNODE table
- FK2 (lognodepk) references the LOGNODETYPE table

## Table BSICSCHEMA

This table shows the column list:

Name	DataType	Constraint	Description
bsic00	integer	not null	<p>Indicates which combination of color codes has been used for the BSIC schema.</p> <p>A BSIC schema is made up of 2 values, an NCC and BCC. To calculate which NCC/BCC combination is used, divide the integer by 8, to the nearest whole number.</p> <p>The nearest whole number is the NCC, while the remainder is the BCC. For example, bsic05 indicates a BSIC schema of NCC0, BCC5, bsic14 indicates a BSIC schema of NCC1, BCC6, bsic41 indicates a BSIC schema of NCC5, BCC1 and so on.</p>
... (and so on up to)			
bsic63	integer	not null	
bsicschemapk	integer	not null	<b>Primary key</b> , storing a unique number for each BSIC schema in a database.
createdate	date	not null	The date when the object was created.
createuser	integer	not null	Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar(128)	not null	<b>Primary key</b> , storing the name of the BSIC schema.
modifydate	date	not null	The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer	not null	Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.

Name	DataType	Constraint	Description
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	integer	not null	Stores a number indicating the user group associated with the user who created the object.

## Table CARLAYDATA

This table shows the column list:

Name	DataType	Constraint	Description
carlaykey	integer	not null	<b>Primary key</b> , storing a unique number for each carrier layer in the database.
cellaydatafk	integer	not null	<b>Primary key</b> , referencing a particular CELLAYDATA table.
cellaykey	integer	not null	Stores a unique number associating the carrier layers to a particular cell layer.
cellkey	integer	not null	Stores a unique number associating the carrier/cell layer to a particular cell.
channeltype	varchar2 (256)		Field storing the channel type value.
maxcarriers	integer		The maximum number of carriers, defined on the Carriers tab for a cell layer in the Site Database.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
required	integer		The number of carriers required, defined on the Carriers tab for a cell layer in the Site Database.
trxids	varchar2(64)		Stores the IDs of the TRXs set for the carrier layer.
trxrequired	integer		The number of TRXs required for the carrier layer, defined on the Carriers tab for a cell layer in the Site Database.
type	integer		Indicates whether the carrier layer is non-hopping (0), hopping (1), associated MA list (2) or allocated MA list (3).

### Foreign Keys:

- FK1 (projectno + carlaykey) references the CARLAY table
- FK2 (projectno + cellaykey) references the CELLAY table
- FK3 (projectno + cellaydatafk) references the CELLAYDATA table
- FK4 (projectno + cellkey) references the GSMCELL table

## Table CELLAYDATA

This table shows the column list:

Name	DataType	Constraint	Description
activationthresh	float		The HR (Half Rate) Activation Threshold (in % of TS allocated), defined on the General tab for a cell layer in the Site Database.
averdrts	float		Stores the Average Data Rate per Timeslot. This value is generated when a user creates a GPRS data rate array, and is used in the traffic analysis calculations. It is displayed in the traffic analysis report.
bcfkey	integer		Stores a unique number associating a particular BCF with the cell layer.
btsid	integer		Stores the BTS ID for the cell layer.
ccs	integer		The Channel Coding Scheme(s) supported by the cell - CCS1 (1), CCS2 (2), and so on. This is defined on the (E)GPRS tab for a cell layer in the Site Database.
cellaydatapk	integer	not null	<b>Primary key</b> , referencing a particular CELLAYDATA table.
cellaykey	integer	not null	Stores a unique number for each cell layer in the database.
cellid	varchar2(128)		NOT USED.
cellkey	integer	not null	Stores a unique number associating the cell layer with a particular cell.
channelprotection_lte	float	not null	The Channel Protection value in dB specified in the LTE column of the Inter-technology pane on the General tab for a GSM cell on the site database.
channelprotection_umts	float	not null	The Channel Protection value in dB specified in the UMTS column of the Inter-technology pane on the General tab for a GSM cell on the site database.
channelprotectionw_ifi	float	not null	The Channel Protection value in dB specified in the Wi-Fi column of the Inter-technology pane on the General tab for a GSM cell on the site database.
comparison	integer		Indicates whether the coverage boundaries of the cell layer are set based on the signal strength (SS) of the signal (0) or the path loss (PL) from the antenna (1). This is defined on the General tab for a cell layer in the Site Database.
createdate	date		The date when the object was created.
dedicatedpbccch	integer		Indicates whether a Dedicated Packet BCCH is used (1) or not (0). This is defined on the (E)GPRS tab for a cell layer in the Site Database.
dlnoiserisetermlte	float	not null	The DL Noise Rise (Terminals) value in dB specified in the LTE column of the Inter-technology pane on the General tab for a GSM cell on the site database.
dlnoiseriseterm_umts	float	not null	The DL Noise Rise (Terminals) value in dB specified in the UMTS column of the Inter-technology pane on the General tab for a GSM cell on the site database.
dlnoiserisetermwifi	float	not null	The DL Noise Rise (Terminals) value in dB specified in the Wi-Fi column of the Inter-technology pane on the General tab for a GSM cell on the site database.

Name	DataType	Constraint	Description
dynamic	integer		Indicates whether the user has chosen to dynamically set the size of the overlaid coverage (1) or use a set path loss (0). This is defined on the General tab for a cell layer in the Site Database.
ecsdenabled	integer		NOT USED.
edgeapd	float		Stores the 8-PSK Average Power Decrease (APD), defined on the Antenna/TRX tab for a cell layer in the Site Database.
edgeaverdrts	float		Stores the Average Data Rate per Timeslot for EDGE. This value is generated when a user creates an EGPRS data rate array, and is used in the traffic analysis calculations. It is displayed in the traffic analysis report.
edgeenabled	integer		Indicates whether the cell layer is EGPRS enabled (1) or not (0). This is defined on the (E)GPRS tab for a cell layer in the Site Database.
edgegprsmix	float		The proportion (in %) of EGPRS traffic to GPRS traffic in the cell layer.
edgehscsdmix	float		NOT USED.
edgemcs	integer		Mask number, which indicates which families of MCS curves are enabled.
egprstraffic	float		The EGPRS traffic value (in kbit/s), defined on the (E)GPRS tab for a cell layer in the Site Database.
gprsenabled	integer		Indicates whether the cell layer is GPRS enabled (1) or not (0). This is defined on the (E)GPRS tab for a cell layer in the Site Database.
gprstraffic	float		The GPRS traffic value (in kbit/s), defined on the (E)GPRS tab for a cell layer in the Site Database.
hoppingstate	integer		Indicates whether frequency hopping on the cell layer has been enabled (1) or not (0). This is defined on the Hopping tab for a cell layer in the Site Database.
hoppingtype	integer		If frequency hopping has been enabled, indicates whether the hopping type is Baseband (0) or Synthesised (1). This is defined on the Hopping tab for a cell layer in the Site Database.
hscsdtraffic	float		NOT USED.
hsn	integer		If frequency hopping is enabled, this is the Hopping Sequence Number for the cell layer. This is defined on the Hopping tab for a cell layer in the Site Database.
maio	integer		If frequency hopping is enabled, this is the MAIO value for the cell layer. This is defined on the Hopping tab for a cell layer in the Site Database.
maiooffset	integer		If frequency hopping is enabled, this is the MAIO Offset value for the cell layer. This is defined on the Hopping tab for a cell layer in the Site Database.
malid	integer		If frequency hopping is enabled, this stores the MA List ID for the cell layer. This is defined on the Hopping tab for a cell layer in the Site Database.
master_bts	integer		Indicates whether the BTS on the cell layer is the master BTS (1) or not (0). This is defined on the BCF tab for a cell layer in the Site Database.
modelkey	integer		NOT USED.
modifydate	date		The date when the object was last modified.

Name	DataType	Constraint	Description
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
non_bcch_offset	integer		The Non BCCH Offset, defined on the BCF tab for a cell layer in the Site Database.
outpowfixed	integer		Specifies the TRX output power for the various cell layers defined within the database.
outputpower	float		The Transmitter PA output power in dBm defined on the Antenna/TRX tab for a cell layer in the Site Database.
overflowloadthresh	float		The overflow load threshold (in % of TS allocated), defined on the General tab for a cell layer in the Site Database.
predstate	integer		Indicates whether the prediction model assigned to the cell layer has been overridden (1) or not (0).
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
signaloffset	float		The Signal Offset (in dB) for the cell layer, defined on the General tab for a cell layer in the Site Database.
signalthreshold	float		The Signal Threshold (in dBm) for the cell layer, defined on the General tab for a cell layer in the Site Database.
subcellid	varchar(128)		The SubCell ID, defined on the General tab for a cell layer in the Site Database.
subcellname	varchar(128)		The SubCell Name, defined on the General tab for a cell layer in the Site Database.
tthreshold	integer		The Timing Advance (TA) Threshold, defined on the General tab for a cell layer in the Site Database.  Positive integer values are interpreted in ENTERPRISE at their face value; negative values are re-interpreted from integer to floating point by dividing by -1000.
totaltrxalloc	integer		The total number of TRXs allocated to a cell, across all carrier layers.
trafdes	float		The Traffic Weight percentage defined on the General tab for a cell layer in the Site Database.
traffic	float		Traffic value that suggests how many subscribers are using the coverage of this particular cell layer.
trugroup	integer		Stores the percentage of traffic to be handled by the overlaid coverage of the overall total.

**Foreign Keys:**

- FK1 (projectno + cellkey) references the CELLAY table
- FK2 (projectno + cellkey) references the GSMCELL table

## Table CELLEXCEPT

This table shows the column list:

Name	DataType	Constraint	Description
cellkey	integer	not null	<b>Primary key</b> , storing a unique number associating the exception with a particular cell.
excellkey	integer	not null	<b>Primary key</b> , storing a unique number associating the exception with the Exception Cell, defined on the Exceptions tab for a cell in the Site Database.
exsitekey	integer	not null	Stores a unique number that associates the Exception cell with a particular site.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
separation	integer		The separation value for the Exception Cell, defined on the Exceptions tab for a cell in the Site Database.
sitekey	integer	not null	Stores a unique number, associating the exception to a particular site.

### Foreign Keys:

- FK1 (projectno + cellkey) references the GSMCELL table

## Table DISTRIBUTION

This table shows the column list:

Name	Data Type	Constraint	Description
btsfixed	integer		NOT USED
btskey	integer		Stores a unique number, associating the distribution node with a particular BTS.
cabinkey	integer		Stores a unique number, associating a particular cabin with the distribution node.
flagvalue	varchar2(255)		Stores a unique value, associating a particular field with the object.
gndheight	float		The Ground Height of the distribution node (in m), defined on the General tab for a distribution node in the Site Database.
hexradius	integer		NOT USED
lognodepk	number(38)	not null	<b>Primary key</b> , storing a unique number for each logical node in the network.
lognodedtypefk	number(38)	not null	Stores a unique number, associating the distribution node with a particular logical node type.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
photofile	varchar2(260)		Stores the file path to a site photo associated with the distribution node, defined on the General tab for a distribution node in the Site Database.

Name	Data Type	Constraint	Description
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
srchrad	float		Stores the search radius defined for each network element.
towerkey	integer		Stores a unique number, associating a particular mast with the distribution node.

**Foreign Keys:**

- FK1 (projectno + lognodepk + lognodedtypefk) references the LOGNODE table
- FK2 (projectno + bsckey) references the BSC table
- FK3 (lognodedtypefk) references the LOGNODETYPE table

**Table GSMCELL**

This table shows the column list:

Name	Data Type	Constraint	Description
activation	number(38)		Indicates whether the Active option is selected (1) or not (0) in the ASSET Design pane of the General tab for a GSM cell in the Site Database.
bscc	number(38)		The Base Station Color Code (BSCC), defined on the General tab for a GSM cell in the Site Database.
cellequipmentkey	number(38)		Stores a unique number, associating a particular piece of equipment with the GSM cell. This is defined on the Cell Config tab for a GSM cell in the Site Database.
celloverridecolorref	number(38)		Indicates the colour defined in the Override field of the Service Area Colour pane on the General tab for a GSM cell on the Site Database.
cellparamspk	number(38)	not null	<b>Primary key</b> , identifying cell parameters.
celltype	number(38)		Indicates the technology that this cell uses, GSM(1) or TETRA (3).
citytype	number(38)		Indicates the City Type (or environment) in which the GSM cell is located, either Urban(0), Suburban(1) or Open-Rural(2). This is defined on the CI+TA+RX tab for a GSM cell in the Site Database.
codeschemakey	number(38)		Stores a unique number, associating a particular code schema with the GSM cell.
codeschematype	number(38)		Specifies the type of code schema used. For a GSM cell it will indicate BSIC (0).
commonbcch	number(38)		NOT USED
configkey	number(38)		Stores a unique number, associating the GSM cell with a particular ARCHITECT configuration.
corrfactor	float		The cell equipment correction value (in dB), defined on the Cell Config tab for a GSM cell in the Site Database.
csarea			The Cell Service Area in square kilometres defined in the Cell Service pane of the General tab for a GSM cell in the Site Database.

Name	Data Type	Constraint	Description
csrange			The Cell Service Range in kilometres defined in the Cell Service pane of the General tab for a GSM cell in the Site Database.
dtxfactor	float		The DTX Voice Activity Factor, defined on the Cell Config tab for a GSM cell in the Site Database.
dtxstate	number(38)		Indicates whether DTX has been enabled on the downlink (1) or not (0).
enablelsce	number(38)		NOT USED
fcccategory	number(38)		The FCC category, defined on the Cell Config tab for a GSM cell in the Site Database.
gsmcelltype	number(38)		Specifies the type of GSM used.
gsmid	number(38)		The GSM ID, defined on the General tab for a GSM cell in the Site Database.
indoorschemafk			Stores a unique identifier for a schema listed in the Schema Name column of the Clutter Losses dialog box opened by selecting Indoor Loss under Clutter Parameters from the Configuration menu on the ASSET tab.
lac	number(38)		The Local Area Code (LAC), defined on the General tab for a GSM cell in the Site Database.
logcellfk	number(38)	not null	Foreign key, identifying the cell.
maxcellradiusback	float		The Maximum Cell Radius Back (km), defined on the CI+TA+RX tab for a GSM cell in the Site Database.
maxcellradiusfront	float		The Maximum Cell Radius Front (km), defined on the CI+TA+RX tab for a GSM cell in the Site Database.
mcc	number(38)		The Mobile Country Code (MCC), defined on the General tab for a GSM cell in the Site Database.
mnc	number(38)		The Mobile Network Code (MNC), defined on the General tab for a GSM cell in the Site Database.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
nbrlimitalltechs	number(38)		The Inter-Technology All techs value defined in the Neighbour Limits pane on the Neighbours tab for a GSM cell in the Site Database.
nbrlimitinterfiveg	number(38)		FOR FUTURE USE.
nbrlimitinterlte	number(38)		The Inter-Technology LTE value defined in the Neighbour Limits pane on the Neighbours tab for a GSM cell in the Site Database.
nbrlimitinterumts	number(38)		The Inter-Technology UMTS value defined in the Neighbour Limits pane on the Neighbours tab for a GSM cell in the Site Database.
nbrlimitintragsm	number(38)		The Intra-Technology GSM value defined in the Neighbour Limits pane on the Neighbours tab for a GSM cell in the Site Database.
ncc	number(38)		The Network Color Code (NCC), defined on the General tab for a GSM cell in the Site Database.
nsei	number(38)	not null	The Network Service Entity Identifier (NSEI), defined on the General tab for a GSM cell in the Site Database. This is for information purposes only.

Name	Data Type	Constraint	Description
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rac	number(38)		The Routing Area Code (RAC), defined on the General tab for a GSM cell in the Site Database.
secname			The Cell Name or sector name, defined on the General tab for a cell or sector in the Site Database.
segment_id	number(38)		The Segment ID, defined on the BCF tab for a GSM cell in the Site Database.
segment_name	varchar2(128)		The Segment Name, defined on the BCF tab for a GSM cell in the Site Database.
signallingoverhead	float		The Signalling Overhead percentage defined on the Carried Traffic tab for a GSM cell in the Site Database.
supportamr	number(38)		Indicates whether the Enable AMR option has been selected (1) or not (0). This is defined on the Cell Config tab for a cell in the Site Database.
useantgain	number(38)		Indicates whether antenna hopping on the cell has been enabled (1) or not (0). This is defined on the Cell Config tab for a cell in the Site Database.

#### Foreign Keys:

- FK1 (project no + logcellfk) references the LOGCELL table
- FK2 (projectno + indoorschemafk) references the TGCLUTTERLOSSSCHEMA table

## Table MSC

This table shows the column list:

Name	Data Type	Constraint	Description
directkey	integer		NOT USED.
flagvalue	varchar2(255)		Stores a unique value, associating a particular field with the object.
gndheight	float		The Ground Height of the MSC (in m), defined on the General tab for a MSC in the Site Database.
lognodepk	number(38)	not null	<b>Primary key</b> , storing a unique number for each logical node in the network.
lognodedtypefk	number(38)	not null	Stores a unique number, associating the MSC with a particular logical node type.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
photofile	varchar2(260)		Stores the file path to a site photo associated with the MSC, defined on the General tab for a MSC in the Site Database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
srchrad	float		Stores the search radius defined for each network element.

**Foreign Keys:**

- FK1 (projectno + lognodepk + lognodetypefk) references the LOGNODE table
- FK2 (lognodetypefk) references the LOGNODETYPE table

## 8 Project Database Tables

The following table describes the project database tables:

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + ...)	Diff Table?
CARRIERS	Carriers assigned to different carrier layers on subcells in the Site Database	carlaykey carriernumber cellaydatafk projectno	FK1 - carlaykey FK2 - cellaykey FK3 - cellaydatafk FK4 - cellkey	YES
CIXLAT	Cell information, for use in both ASSET and OPTIMA	assetpno key		NO
COMPOUNDARRAYEXP	Compound Array Expressions, defined in the Compound Arrays dialog box	compound-arrayexpkey projectno		NO
COMPOUNDARRAYTERM	Compound Array Terms, defined in the Compound Arrays dialog box	compound-arrayexpkey compound-arraytermkey projectno	FK1 - compoundarrayexpkey	NO
CONTACTPERSON	Contact details, defined in the Contact Persons dialog box	personkey projectno		NO
FAXNUMBER	Contact fax numbers, defined in the Contact Persons dialog box	faxkey projectno		NO
FOLDERS	User-defined folders used in the projects	folderkey foldertype projectno		NO
GRAPH	The co-ordinates for any 2.5g graphs	abscissa graphkey graphlisttype ordinate projectno		NO
GRAPHLIST	Any 2.5g graph curves	graphkey graphlisttype projectno		NO
HDRDLKPARAMS	EV-DO downlink parameters, used in ASSET	hdrdlkparamspk projectno		YES
PHONE NUMBER	Contact telephone numbers for contacts defined in the Contact Persons dialog box	phonekey projectno	FK1 - personkey	NO

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + ...)	Diff Table?
TERMMMOBSPEED	The speed of the terminal mobile	code projectno termtypekey	FK1 - termtypekey	YES
VECPROJECT	Any vectors defined in the projects	projectno vecid		NO

## Table CARRIERS

This table shows the column list:

Name	DataType	Constraint	Description
carlaykey	integer	not null	<b>Primary key</b> , storing a unique number associating each carrier with a particular carrier layer.
carriernumber	integer	not null	<b>Primary key</b> , referencing and storing the ARFCN numbers that have been allocated as forbidden, allocated or fixed to each cell layer.
cellaydatafk	integer	not null	<b>Primary key</b> , referencing a particular CELLAYDATA table.
cellaykey	integer	not null	Stores a unique number associating each carrier (layer) with a particular cell layer.
cellkey	integer	not null	Stores a unique number associating each carrier/cell layer with a particular cell.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
state	integer		Indicates whether the carriers selected on the cell layer are allocated (0), forbidden (1) or fixed (2). See About States in the CARRIERS Table on page 258 for more information.

### Foreign Keys:

- FK1 (projectno + carlaykey) references the CARLAY table
- FK2 (projectno + cellaykey) references the CELLAY table
- FK3 (projectno + cellaydatafk) references the CELLAYDATA table
- FK4 (projectno + cellkey) references the GSMCELL table

## About States in the CARRIERS Table

In the Site Database, the carriers available to the project can be set in one of three states on each cell layer. When this has been set, a new entry appears in the **Carriers** table.

The state is calculated by dividing the carrier number by 256, the remainder equals the state. For example:  $513/256 = 2$  remainder 1.

This table shows the codes for states:

Code	State	
1	Allocated	
2	Forbidden	
3	Allocated and Forbidden	INVALID STATE.
4	Fixed	INVALID STATE.
5	Allocated and Fixed	
6	Forbidden and Fixed	INVALID STATE.
7	Forbidden, Fixed and Allocated	INVALID STATE.

The carrier state is found by dividing the carrier number by 256. For example:  $512/256 = 2$ .

This table shows the codes for carrier states:

Code	Carrier State
0	Active
1	Idle
2	Released
3	Locked
4	Deleted

You can set the default carrier state by using your own registry key DefaultCarrierState set to Active, Idle, Released, Locked or Deleted (case sensitive). If none of these is found or the registry key does not exist, ENTERPRISE will use a default carrier status of Active.

## Table CIXLAT

This table shows the column list:

Name	DataType	Constraint	Description
assetci	varchar2(32)		The ASSET Cell Id
assetcli	varchar2(32)		The ASSET Cell Layer
assetpno	number	not null	<b>Primary key</b> , storing the ASSET project number.
key	number	not null	<b>Primary key</b> , storing the ASSET project key.
optimaci	varchar2(32)		The OPTIMA Cell Id.
tgci	varchar2(32)		The 3g Cell Id.

## Table COMPOUNDARRAYEXP

This table shows the column list:

Name	DataType	Constraint	Description
compoundarrayexpkey	integer	not null	<b>Primary key</b> , storing a unique number for each compound array expression in the database.
createdate	date		The date when the object was created.

Name	DataType	Constraint	Description
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(256)	not null	The name of the compound array expression, defined in the Compound Arrays dialog box.
lofarrrdispname	varchar2(64)		The FALSE Array display name, defined in the Output Arrays for Logical Expressions pane of the Compound Arrays dialog box.
lofarrgenrcname	varchar2(64)		FOR INTERNAL USE.
lofinstdispname	varchar2(256)		The FALSE Instance display name, defined in the Output Arrays for Logical Expressions pane of the Compound Arrays dialog box.
lofinstintnlname	varchar2(256)		FOR INTERNAL USE.
lofsrcdispname	varchar2(128)		The FALSE Source display name, defined in the Output Arrays for Logical Expressions pane of the Compound Arrays dialog box.
lofsrcintnlname	varchar2(128)		FOR INTERNAL USE.
lotarrdispname	varchar2(64)		The TRUE Array display name, defined in the Output Arrays for Logical Expressions pane of the Compound Arrays dialog box.
lotarrgenrcname	varchar2(64)		FOR INTERNAL USE.
lotinstdispname	varchar2(256)		The TRUE Instance display name, defined in the Output Arrays for Logical Expressions pane of the Compound Arrays dialog box.
lotinstintnlname	varchar2(256)		FOR INTERNAL USE.
lotsrcdispname	varchar2(128)		The TRUE Source display name, defined in the Output Arrays for Logical Expressions pane of the Compound Arrays dialog box.
lotsrcintnlname	varchar2(128)		FOR INTERNAL USE.
modifydate	date		The date when the object was last modified.
modifyuser	integer		Stores a number indicating the last user who made changes to the table.
parentkey	integer	not null	Stores a unique number, associating the compound array expression with a particular parent.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
reserved1	varchar2(256)		FOR FUTURE USE.
reserved2	varchar2(256)		FOR FUTURE USE.
reserved3	integer		FOR FUTURE USE.
reserved4	integer		FOR FUTURE USE.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

## Table COMPOUNDARRAYTERM

This table shows the column list:

Name	DataType	Constraint	Description
compound-arrayexpkey	integer	not null	<b>Primary key</b> , storing a unique number associating the compound array term with a particular compound array expression.
compound-arraytermkey	integer	not null	<b>Primary key</b> , storing a unique number for each compound array term in the database.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
larrdispname	varchar2(64)		The Array display name for the left side of the equation, defined in the top half of the term in the Compound Arrays dialog box.
larrgenrcname	varchar2(64)		FOR INTERNAL USE.
linstdispname	varchar2(256)		Instance display name for the left side of the equation, defined in the top half of the term in the Compound Arrays dialog box.
linstintnlname	varchar2(256)		FOR INTERNAL USE.
loper	integer		The operator, defined in the Compound Arrays dialog box.
lsrcdispname	varchar2(128)		Source display name for the left side of the equation, defined in the top half of the term in the Compound Arrays dialog box.
lsrcintnlname	varchar2(128)		FOR INTERNAL USE.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rarrdispname	varchar2(64)		The Array display name for the right side of the equation, defined in the bottom half of the term in the Compound Arrays dialog box.
rarrgenrcname	varchar2(64)		FOR INTERNAL USE.
rinstdispname	varchar2(256)		The Instance display name for the right side of the equation, defined in the bottom half of the term in the Compound Arrays dialog box.
rintintnlname	varchar2(256)		FOR INTERNAL USE.
roper	integer		The logical operator, defined in the Compound Arrays dialog box.
rsrcdispname	varchar2(128)		Source display name for the right side of the equation, defined in the bottom half of the term in the Compound Arrays dialog box.
rsrcintnlname	varchar2(128)		FOR INTERNAL USE.

Name	DataType	Constraint	Description
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

**Foreign Key:**

- FK1 (projectno + compoundarrayexpkey) references the COMPOUNDARRAYEXP table

**Table CONTACTPERSON**

This table shows the column list:

Name	DataType	Constraint	Description
comments	varchar2(225)		Optional description that can be added to each contact person, defined in the Contact Person dialog box.
company	varchar2(128)		The company of the contact person, defined in the Contact Person dialog box.
createuser	integer	not null	Stores a number indicating the user who created the object. The number is based on the order users were created in.
forename	varchar2(128)		The forename of the contact person, defined in the Contact Person dialog box.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
personkey	integer	not null	<b>Primary key</b> , storing a unique number for each contact person in the database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
surname	varchar2(128)		The surname of the contact person, defined in the Contact Person dialog box.
title	varchar2(128)		The title of the contact person, defined in the Contact Person dialog box.

**Table FAXNUMBER**

This table shows the column list:

Name	DataType	Constraint	Description
faxkey	integer	not null	<b>Primary key</b> storing the unique number for each facsimile number in the database.
faxnumber	varchar2(32)		The Facsimile Number, defined in the Contact Person dialog box.
personkey	integer		Stores a unique number, associating the facsimile number with a particular contact person.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

## Table FOLDERS

This table shows the column list:

Name	DataType	Constraint	Description
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
folderkey	integer	not null	<b>Primary key</b> , storing a unique number for each folder in the database.
foldername	varchar2(128)		The name of the folder.
foldertype	integer	not null	<b>Primary key</b> that uniquely identifies the type of folder.
modifyuser	integer		Stores a number indicating the last user who made changes to the table.
parentkey	integer		Stores a unique number identifying the parent of a sub-folder.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

## Table GRAPH

This table shows the column list:

Name	DataType	Constraint	Description
abscissa	float	not null	<b>Primary key</b> , storing the relative x co-ordinate for the curve.
graphkey	integer	not null	<b>Primary key</b> , storing a unique number for each graph curve.
graphlisttype	integer	not null	<b>Primary key</b> , storing a unique number indicating the type of graph - coding scheme (0) or Occupancy (1).
modifyuser	integer	not null	NOT USED.
ordinate	float	not null	<b>Primary key</b> , storing the relative y co-ordinate for the curve.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

## Table GRAPHLIST

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		NOT USED.
createuser	integer		NOT USED.
graphenabled	integer		Indicates whether the graph option is available (1) or not (0).
graphkey	integer	not null	<b>Primary key</b> , storing a unique number for each graph in the database.

Name	DataType	Constraint	Description
graphlisttype	integer	not null	<b>Primary key</b> stores a number indicating the type of graph - coding scheme (0) or occupancy (1).
idname	varchar(32)	not null	The name of the curve.
modifydate	date		NOT USED.
modifyuser	integer	not null	NOT USED.
permission	integer		NOT USED.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	integer		NOT USED.

## Table HDRDLKPARAMS

This table shows the column list:

Name	Data Type	Constraint	Description
bitrate	number(38)		The bitrate (in bps), defined in the EV-DO Downlink Parameters dialog box.
bits	number(38)		The Number of Bits, defined in the EV-DO Downlink Parameters dialog box.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
ebno	float		The Ior/loc (in dB), defined in the EV-DO Downlink Parameters dialog box.
ebnt0	float		The first Eb/Nt (in dB) value, defined in the EV-DO Downlink Parameters dialog box.

And so on to...

ebnt4	float		The last Eb/Nt (in dB) value, defined in the EV-DO Downlink Parameters dialog box.
hdrdlkparamspk	number(38)	not null	<b>Primary key</b> , storing a unique number for each set of EV-DO downlink parameters in the database.
idname	varchar(32)		NOT USED.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
oheadbits	number(38)		The Number of Overhead Bits, defined in the EV-DO Downlink Parameters dialog box.
per0	float		The first PER (Packet Error Rate) value, defined in the EV-DO Downlink Parameters dialog box.

And so on to...

per4	float		The last PER (Packet Error Rate) value, defined in the EV-DO Downlink Parameters dialog box.
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Name	Data Type	Constraint	Description
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
slots	number(38)		The number of (time) Slots used, defined in the EV-DO Downlink Parameters dialog box.
spare0	float		NOT USED.
And so on to...			
spare4	float		NOT USED.
traffchips	float		The number of Chips per Traffic Bit, defined in the EV-DO Downlink Parameters dialog box.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table PHONENUMBER

This table shows the column list:

Name	Data Type	Constraint	Description
personkey	integer		Stores a unique number, associating the telephone number with a particular contact person.
phonekey	integer	not null	<b>Primary key</b> , storing a unique number for each telephone number in the database.
phonenumber	varchar2(32)		The telephone number, defined in the Contact Person dialog box.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

### Foreign Keys:

- FK1 (projectno + personkey) references the CONTACTPERSON table

## Table TERMMMOBSPEED

This table shows the column list:

Name	DataType	Constraint	Description
avgspeed	float	not null	Mean Mobile Speed (km/h) per clutter type, defined on the Mobile Speed tab of the Terminal Types dialog box. (GSM/UMTS and EV-DO Terminal Types only)
code	varchar2(128)	not null	<b>Primary key</b> , associating the mobile speed values with a particular clutter type.
maxspeed	float	not null	Max Mobile Speed (km/h) per clutter type, defined on the Mobile Speed tab of the Terminal Types dialog box.

Name	DataType	Constraint	Description
minspeed	float	not null	Min Mobile Speed (km/h) per clutter type, defined on the Mobile Speed tab of the Terminal Types dialog box.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
percentin	float	not null	Percentage of mobiles considered to be in buildings. This is defined on the Clutter tab (using the Density option) of the Terminal Types dialog box.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
stdspeed	float	not null	Standard Deviation in Speed per clutter type defined on the Mobile Speed tab of the Terminal Types dialog box.
termtypekey	integer	not null	<b>Primary key</b> , storing a unique number for each terminal type in the database.

**Foreign Keys:**

- FK1 (projectno + termtypekey) references the TERMTYPE table

**Table VECPROJECT**

This table shows the column list:

Name	DataType	Constraint	Description
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
vecid	integer	not null	<b>Primary key</b> , storing a unique number associating a particular vector with the project.

## 9 ASSET Backhaul Database Tables

This table describes the tables in the database that relate to ASSET Backhaul:

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + ...)	Diff Table?
AMCRECEIVER THRESHOLD	The maximum receiver threshold at particular bandwidth, frequency and power settings	projectno typekey		NO
AMCTRANSMITPOWER	The maximum transmit power at particular bandwidths and modulation types	projectno typekey		NO
BACKTOBACKANTENNA	Back to back passive repeater antennas	backtoback-antenna_pk prlinkend_fk projectno	FK1 - linkfk FK2 - prlinkend_fk FK3 - prlinkfk	YES
BAND	The frequency Bands and channels available for microwave links, defined in the Band Channels dialog box	bandkey projectno		YES
CARRIERAMCTHRESHOLD	Modulation type power thresholds for carriers	modtypekey projectno	FK1 - pmpcarrierfk	YES
CARRIERFEED	The feeders defined for the carriers	carrierfeeder-settingskey pmpcarrierkey projectno	FK1 - pmpcarrierkey	YES
CHANNEL	The channels in each frequency band	bandkey lofreq projectno	FK1 - bandkey	YES
CIOBJ	T/I Objectives tables for Carrier and Interferer bandwidths, defined in the T/I Objectives dialog box	cobjkey projectno		YES
CIOBJENTRY	Required C/I values for frequency separations between the carrier and Interferer in each T/I Objective table	cobjkey freqsep projectno	FK1 - cobjkey	YES

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + ...)	Diff Table?
LINK	Links, defined in the Links Database	projectno linkkey		YES
LINKAMCTHRESHOLD	Modulation type power thresholds for links	linkkey modtypekey projectno radioequip radioflag	FK1 - ptplinkendfk	YES
LINKATTACH	The location of files that have been attached to each of the links defined in the Link Database	attachkey projectno	FK1 - linkkey	YES
LINKENDANTENNA	Linkend antennas, defined on the Antenna tab of a PmP Hub	linkend-antennakey projectno ptplinkendkey		YES
LINKENDFEED	Linkend feeders, defined on the Feeder tab of a PmP Hub Carrier	linkendfeeder-settingskey projectno ptplinkendkey	FK1 - ptplinkendkey	YES
LINKLOSVALUES	Link Status values, defined in the Link LOS Editor	linkloskey projectno		NO
LINKTERMEQUIP	Link terminal equipment, defined in the Link Terminal Equipment dialog box	linkterm-equipmentkey projectno		YES
LINKTYPE	Link types, defined in the Link Types dialog box	linktypekey projectno		YES
LINKUDH	User defined heights used in the Height Profile window	distance linkkeypk projectno	FK1 - linkkeypk	YES
LINKUDPROF	User defined profiles created in the User Defined Profile dialog box	linkkeypk projectno	FK1 - linkkeypk	YES

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + ...)	Diff Table?
MODULATIONTYPE	Modulation types, defined in the Modulation Types dialog box	modtypepk projectno		YES
MWANTENNATYPE	Microwave antennas, defined in the Antennas Database	mwantennakey projectno		YES
PMPCARRIER	PmP carriers, defined in the Link Database	pmpcarrierkey projectno	FK1 - pmpsectorkey	YES
PMPHUB	PmP hubs, defined in the Link Database	pmphubkey projectno	FK1 - siteaddrkey	YES
PMPHUBLINKEND	PmP hub linkends, defined in the Link Database	pmphub-linkendkey projectno	FK1 - linkkey FK2 - pmphubkey	YES
PMSECTOR	PmP sectors, defined in the Link Database	pmpsectorkey projectno	FK1 - pmphubkey	YES
PRLINKEND	Linkends connecting passive repeaters	prlinkend_pk projectno	FK1 - linkfk FK2 - prlinkfk	YES
PRLLINK	Links connecting back-to-back passive repeaters	prlpk projectno		YES
PRLREF	Links connecting reflector passive repeaters	linkpk prlpk projectno	FK1 - linkpk FK2 - prlpk	YES
PTPLINKEND	PtP linkends defined in the Links Database	projectno ptplinkendkey	FK1 - linkkey FK2 - siteaddrkey	YES
RADIOAMCTHRESHOLD	Modulation type power thresholds for radio equipment	modtypekey projectno	FK1 - radioequippk	YES
RADIOEQUIP	Radio equipment, defined in the Radio Equipment dialog box	projectno radioequipkey		YES

This Table	Stores Information On	Primary Keys	Foreign Keys (projectno + ...)	Diff Table?
RADIOMASK	Any radio masks that you have defined on the Tx Spectrum and Rx Selectivity tabs of the Radio Equipment dialog box	masktype offsetvalue projectno radioequippk	FK1 - radioequippk	YES
REFLECTOR	Reflector passive repeaters	projectno reflectorpk	FK1 - linkfk FK2 - prlinkendfk FK3 - prlinkfk	YES
SECTORANTENNA	Sector antennas	pmpsectorkey projectno sectorantenna-key	FK1 - pmpsectorkey	YES
SHAREDLINKTEMPRANGE	System ranges for use in link templates	projectno rangekey		YES
SPLITTER	Splitters	projectno splitterkey		YES
SPURLINK	Routes taken by a signal travelling between sites and a BSC	projectno spurpk		YES
SPURREF	Routes taken by a signal travelling along a reflected route between sites and a BSC	linkpk projectno spurpk	FK1 - spurpk	YES
USERLINKTEMPRANGE	User ranges for use in link templates	projectno rangekey		YES

## Table AMCRECEIVERTHRESHOLD

This table shows the column list:

Name	DataType	Constraint	Description
bandwidth	float		The radio frequency bandwidth in MHz. This is specified on the Configuration tab of the Radio Equipment dialog box and is used along with the modulation type to determine the maximum receiver threshold at the required frequency.
bitspersymbol	float		The bits per symbol for the bandwidth and modulation type combination.
modulationtype	varchar2(512)		The modulation type specified on the Configuration tab of the Radio Equipment dialog box. This is used along with the bandwidth to determine the maximum receiver threshold at the required frequency.

Name	DataType	Constraint	Description
powmaxghz/ powminghz	number		Defines the frequency range for the receiver threshold value in terms of minimum and maximum power in GHz.
powvalueghz	float		The receiver threshold value in dBm for this bandwidth and modulation type combination.
projectno	number	not null	<b>Primary key</b> , storing a unique number for each project in a database.
typekey	number		<b>Primary key</b> , a unique identifier for each threshold value stored in the database.
type_bw	number		Indicates whether the bandwidth is ETSI (0) or FCC (1).

## Table AMCTRANSMITPOWER

This table shows the column list:

Name	DataType	Constraint	Description
bitspersymbol	float		The bits per symbol for the bandwidth and modulation type combination.
modulationtype	varchar2(512)		The modulation type specified on the Configuration tab of the Radio Equipment dialog box. This is used along with the bandwidth to determine the maximum receiver threshold at the required frequency.
powmaxghz/ powminghz	number		Define the frequency range for the receiver threshold value in terms of minimum and maximum power in GHz. This is specified in the AMC Thresholds dialog box for a radio.
powvalueghz	float		The receiver threshold value in dBm for this bandwidth and modulation type combination. This is specified in the AMC Thresholds dialog box for a radio.
project no	number	not null	<b>Primary key</b> , storing a unique number for each project in a database.
typekey	number		<b>Primary key</b> , a unique identifier for each transmit power value stored in the database.

## Table BACKTOBACKANTENNA

This table shows the column list:

Name	DataType	Constraint	Description
actualelevation	float		The Actual Elevation defined on the Antenna A/B subtab of the Linkend Settings tab for a back to back passive repeater.
antennaheight	float		The height of the antenna in m, defined on the Antenna A/B subtab of the Linkend Settings tab for a back to back passive repeater.
backtobackantenna_pk	integer	not null	<b>Primary Key</b> , storing a unique number for each back to back passive repeater antenna.
coords	sdo_geometry		Stores the coordinates of the back to back passive repeater antenna, which are defined on the Antenna A/B subtab of the Linkend Settings tab.

Name	DataType	Constraint	Description
coordtype	number		Indicates whether the coordinates are stored as a relative location (1) or an absolute location (0). Defined on the Antenna A/B subtab of the Linkend Settings tab for a back to back passive repeater.
direction	float		The Direction defined on the Antenna A/B subtab of the Linkend Settings tab for a back to back passive repeater.
dryradomeloss	float(64)		The Dry Radome Loss (in dB) for the antenna, defined on the Antenna A/B subtab of the Linkend Settings tab for a back to back passive repeater.
linkfk	integer	not null	Stores a unique number, associating the back to back passive repeater antenna to a particular link.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
mwantenna_fk	integer		References an instance of a microwave antenna.
overrideactelev	integer		Indicates whether the Actual Elevation of the antenna has been overridden (1) or not (0).
overrideantdir	integer		Indicates whether the antenna Direction has been overridden (1) or not (0).
prlinkend_fk	integer	not null	<b>Primary key</b> , associating the back to back antenna with a particular linkend.
prlinkfk	integer	not null	References an instance of a passive repeater.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
tilt	float		NOT USED.
useractelev	float		The user defined Active Elevation, defined on the Antenna A/B subtab of the Linkend Settings tab for a back to back passive repeater.
userantdir	float		The user defined antenna Direction, defined on the Antenna A/B subtab of the Linkend Settings tab for a back to back passive repeater.
wetradomeloss	float(64)		The Wet Radome Loss (in dB) for the antenna, defined on the Antenna A/B subtab of the Linkend Settings tab for a back to back passive repeater.

**Foreign Keys:**

- FK1 (projectno + linkfk) references the LINK table
- FK2 (projectno + prlinkend\_fk) references the PRLINKEND table
- FK3 (projectno + prlinkfk) references the PRLLINK table

## Table BAND

This table shows the column list:

Name	DataType	Constraint	Description
bandduplexmethod	integer	not null	Stores a number indicating the band duplex method.
bandkey	integer	not null	<b>Primary key</b> , storing a unique number for each band in the database.
bandwidth	float		The Bandwidth (in MHz) of the band, defined in the Channel Editor dialog box.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(128)	not null	The band ID, defined in the Channel Editor dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		NOT USED.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

## Table CARRIERAMCTHRESHOLD

This table shows the column list:

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**Note:** For details of parameters not listed here because they also appear in the LINKAMCTHRESHOLD, PMPHUBLINKEND and PTPLINKEND tables, see Common Link Database Parameters on page 322.

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Name	DataType	Constraint	Description
atpcrange	float		The ATPC range in dB for the associated modulation type defined in the Modulation Parameters dialog box for a carrier in the LInk Database.
maxtxpower	float		The maximum transmit power in dBm for the associated modulation type. This is defined in the Modulation Parameters dialog box for the carrier.
mintxpower	float		The minimum transmit power in dBm for the associated modulation type. This is defined in the Modulation Parameters dialog box for the carrier.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
modtypekey	number(38)	not null	<b>Primary key</b> , identifying the modulation type defined in the appropriate (Capacity, Modulation Parameters or Signature Parameters) dialog box.
nominalpower	float		The Nominal Power in dBm defined on the Radio tab for a carrier in the database.

Name	DataType	Constraint	Description
pmpcarrierfk	number(38)		A unique number identifying the point to multi-point carrier.
pmpsectorkey	number(38)		A unique number identifying the point to multi-point sector.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
radioequip	number(38)	not null	A unique number identifying the radio assigned to this carrier link end. This is defined on the Radio sub tab of the Linkend Settings tab for a carrier in the database.
radioflag	number(38)	not null	A unique number identifying the radio type.
rpower	float		The received threshold in dBm for the associated modulation type. This is defined in the Modulation Parameters dialog box for the carrier.
threshold1	float		The threshold1 value in dBm for the associated modulation type. This is defined in the Modulation Parameters dialog box for the carrier.
threshold2	float		The threshold2 value in dBm for the associated modulation type. This is defined in the Modulation Parameters dialog box for the carrier.
xpifrange	float		The XPIF range in dB defined on the Radio tab for a carrier in the Link Database.

**Foreign Keys:**

- FK1 (projectno + pmpcarrierfk) references the PMPCARRIER table

**Table CARRIERFEED**

This table shows the column list:

Name	DataType	Constraint	Description
carrierfeedersettingskey	integer	not null	<b>Primary key</b> used to uniquely identify each feeder setting in the table.
feederkey	integer		Stores a unique number for each feeder in the database.
feederlength	float		The length of feeder (in m), defined on the Feeders subtab of the Linkend Settings tab for a Link in the Link Database.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
overridefeederloss	integer		Indicates whether the Override Total Feeder Loss option has been selected (1) or not (0). This is defined on the Feeders subtab of the Linkend Settings tab for a Link in the Link Database.
pmpcarrierkey	integer	not null	<b>Primary key</b> , storing a unique number associating the feeder with a particular PmP carrier.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

Name	DataType	Constraint	Description
radioflag	integer		Indicates the type of antenna that the feeder is attached to - main Tx(0), main Rx(1), diversity Tx(2) or diversity Rx(3).
sectorantennakey	integer	not null	Stores a unique number, associating the feeder with a particular sector antenna.
userfeederloss	float		The Total Feeder Loss (in dB), defined on the Feeder subtab of the Linkend Settings tab for a Link in the Link Database.

**Foreign Keys:**

- FK1 (projectno + pmpcarrierkey) references the PMPCARRIER table

**Table CHANNEL**

This table shows the column list:

Name	DataType	Constraint	Description
bandkey	integer	not null	<b>Primary key</b> , storing a unique number associating the channel with a particular band.
channame	varchar2(32)		The Channel Name, defined in the Channel Editor dialog box.
hifreq	float		The High Frequency (in MHz) for the channel, defined in the Channel Editor dialog box.
lofreq	float	not null	<b>Primary key</b> , storing the Low Frequency (in MHz) of the channel, defined in the Channel Editor dialog box.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

**Foreign Keys:**

- FK1 (projectno + bandkey) references the BAND table

**Table CIOBJ**

This table shows the column list:

Name	DataType	Constraint	Description
cobjkey	integer	not null	<b>Primary key</b> , storing a unique number for each T/I Objective in the database.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(32)	not null	The T/I Objective ID, defined in the T/I Objectives Editor dialog box.
intfcarrierbw	float		The Interferer Radio Settings Carrier Bandwidth (in MHz) for the T/I Objective, defined in the T/I Objectives Editor dialog box.

Name	DataType	Constraint	Description
ciobjkey	integer	not null	<b>Primary key</b> , storing a unique number for each T/I Objective in the database.
intfchannelcpctytype	integer		Intfchannelcpctytype is the enumerated value that corresponds to a interferer radio capacity type (such as E1 or STM16). In the code each capacity type has a corresponding numerical value (for example, the label E1 corresponds to 1 and T1 to 6). These values are stored in the database so if a link or radio equipment is set to use T1 - it's database entry will be 6. This can be translated back to T1. Defined in the T/I Objectives Editor dialog box.
intfmotype	integer		A number corresponding to the Interferer Radio Settings Modulation Type for the T/I Objective, defined in the T/I Objectives Editor dialog box. A value of 0 indicates that the modulation type is Undefined.
intfnoofchannels	integer		The number of channels in the interferer radio capacity. This works in conjunction with the intfchannelcpctytype to give the capacity. It is defined in the T/I Objectives Editor dialog box.
intfradioequip	integer		A number corresponding to the Interferer Radio Settings Radio Equipment for the T/I Objective, defined in the T/I Objectives Editor dialog box. A value of 0 indicates that the radio equipment is Unknown.
intfsinglevalue	float		The capacity of the interferer radio defined as a single value in Kbps. This is defined in the T/I Objectives Editor dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		NOT USED.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
victimcarrierbw	float		The Victim Radio Settings Carrier Bandwidth (in MHz) for the T/I Objective, defined in the T/I Objectives Editor dialog box.
victimchannelcpctytype	integer		Victimchannelcpctytype is the enumerated value that corresponds to a victim radio capacity type (such as E1 or STM16). In the code each capacity type has a corresponding numerical value (for example, the label E1 corresponds to 1 and T1 to 6). These values are stored in the database so if a link or radio equipment is set to use T1 - it's database entry will be 6. This can be translated back to T1. Defined in the T/I Objectives Editor dialog box.
victimmodtype	integer		A number corresponding to the Interferer Radio Settings Modulation Type for the T/I Objective, defined in the T/I Objectives Editor dialog box. A value of 0 indicates that the modulation type is Undefined.

Name	DataType	Constraint	Description
ciobjkey	integer	not null	<b>Primary key</b> , storing a unique number for each T/I Objective in the database.
victimnoofchannels	integer		The number of channels in the victim radio capacity. This works in conjunction with the intfchannelcpctytype to give the capacity. It is defined in the T/I Objectives Editor dialog box.
victimradioequip	integer		A number corresponding to the Interferer Radio Settings Radio Equipment for the T/I Objective, defined in the T/I Objectives Editor dialog box. A value of 0 indicates that the radio equipment is Unknown.
victimsinglevalue	float		The capacity of the victim radio defined as a single value in Kbps. This is defined in the T/I Objectives Editor dialog box.

## Table CIOBJENTRY

This table shows the column list:

Name	DataType	Constraint	Description
ciobjective	float		Field that stores the T/I ratio required for each particular carrier and interference separation specified.
ciobjkey	integer	not null	<b>Primary key</b> , used to relate each particular T/I Objective table to the actual values aimed to be achieved, as specified in this table.
freqsep	float	not null	<b>Primary key</b> that specifies the various channel separations encountered when working with each particular carrier bandwidth.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

### Foreign Keys:

- FK1 (projectno + ciobjkey) references the CIOBJ table

## Table LINK

This table shows the column list:

Name	Data Type	Constraint	Description
actuallatency	float		NOT USED.
alpha	float		The alpha value set for an ITU-R P.530-7 or 530-12 link. This is defined on the Propagation Prediction subtab of the Calculation tab for a link in the Link Database.
bbermonthvalue	float		For report only.

Name	Data Type	Constraint	Description
bberobjectivevalue	float		The BBER value defined in the Objectives column of the PDH/SDH pane on the Objectives subtab of the Performance tab for a link on the Link database.
calcmethod	integer		Indicates the calculation method used: ITU-R P.530-12 (0), ITU-R P.530-7 (1), Vigants (2) or ITU-R P.530-15 (3).
capacitytype	integer		The capacity type defined in the top right hand drop down list of the Select Input Method pane on the Type subtab of the General tab for a link in the Link Database. Values (0-14) correspond to the options listed if PDH is selected. Values (15-29) correspond to the options listed if SDH is selected.
channelbased	integer		Indicates whether the Channel Based option has been selected (1) or not (0). This is defined on the Frequency subtab of the Linkend Settings tab for a link in the Link Database.
channelkey	integer	not null	A key that uniquely identifies a channel.
class	integer		The Link Class, set for a ITU-T G.821 link. This is defined on the Objectives Settings subtab of the Calculation tab for a link in the Link Database: None(0) Class 1(1), Class2,(2), Class3(3), Class4(4).
climatefactor	float(64)		A numerical constant used when the Climate Factor is set for a Vigants link. This is defined on the Propagation Prediction subtab of the Calculation tab for a link in the Link Database.
climatemodel			NOT USED.
climateterrain	integer		Stores a unique number indicating the Climate/Terrain Factor selected for a Vigants link - Wet & Humid (0), Average Terrain & Climate (1), Mountain Dry (2), User Define Terrain & Climate (3) or Terrain & Climate Factor (4).  This is defined on the Propagation Prediction subtab of the Calculation tab for a link in the Link Database.
climaticregioncrane	integer		The Rainzone used for the Crane Model Calculation Method. This is defined on the Rainfall subtab of the Calculation tab for a link in the Link Database: A(0), B(1), B1(2), B2(3), C(4), D1(5), D2(6), D3(7), E(8), F(9), G(10), H(11).
climaticregionitu	integer		The Rainzone used for the ITU-R Model Calculation Method. This is defined on the Rainfall subtab of the Calculation tab for a link in the Link Database: A(0), B(1), C(2), D(3), E(4), F(5), G(6) H(7), J(8), K(9), L(10), M(11), N(12), P(13), Q(14).

Name	Data Type	Constraint	Description
cliterfactorc	float(64)		A numerical constant used when the Climate/Terrain Factor is set for a Vigants link. This is defined on the Propagation Prediction subtab of the Calculation tab for a link in the Link Database
coastalarea	integer		Indicates the Description of the Coastal Area for an ITU-R P.530-7 link - Inland (0), Over Large Bodies (1), Over Medium Bodies (2), Indeterminate (3) or Area of Many Lakes (4). This is defined on the Propagation Prediction subtab of the Calculation tab for a link in the Link Database.
coastalprop	float(64)		The proportion of path length over coastal area for an ITU-R P.530-7 link. This is defined on the Propagation Prediction subtab of the Calculation tab for a link in the Link Database.
comments	varchar2(255)		Stores optional comments for a link, defined on the Mappings tab for a link in the Link Database.
coverscoastal	integer		Indicates whether the Does the path cross over coastal areas option for a ITU-R P.530-7 link has been selected (1) or not (0). This is defined on the Propagation Prediction subtab of the Calculation tab for a link in the Link Database.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
directradiocap	varchar2(32)		NOT USED.
directradiofamily	varchar2(64)		NOT USED.
divchannelbased	integer		Indicates whether the Channel Based option has been selected (1) or not (0) Used for the diversity frequency only.  This is defined on the Frequency subtab of the Linkend Settings tab for a link in the Link Database.
divchannelkey	integer	not null	A key that uniquely identifies a channel. Used for the frequency diversity only.
divfreqbandkey	integer		Stores a unique number, associating a particular frequency band with the link.  Used for the diversity frequency only.
divfreqchannel	varchar2(32)		The name of the channel used by the frequency band, defined on the Frequency subtab of the Linkend Settings tab for a link in the Link Database.  Used for the diversity frequency only.
divpolarisation	integer		Indicates the polarisation for the link, which can be horizontal (0) or vertical (1). Defined on the Frequency subtab of the Link Database dialog box.  Used for diversity frequency only.
divpredmodelkey	integer		Stores a number indicating the Prediction Model selected.  Used for diversity frequency only.

Name	Data Type	Constraint	Description
divreqfmagainstrain	float		The Required CFM against rain 0.01, 00 mm/h in dBm defined on the Fade Margin subtab of the Performance tab for a link in the Link Database. Used for diversity frequency only.
divtotalantennagain	float		The Total antenna gain (Tx+Rx) in dBi defined on the Link Budget subtab of the Performance tab for a link on the Link Database. Used for diversity frequency only.
divtotalfeederloss	float		The Total Waveguide/Feeder Loss (Tx+Rx) in dB defined on the Link Budget subtab of the Performance tab for a link on the Link Database. Used for diversity frequency only.
duplexmethod	integer		Indicates the Duplex Method defined on the Type subtab of the General tab for a link in the Link Database. Values are FDD (0) or TDD (1).
errorperformance	float		The A1, B or C parameter value (in %) for the ITU-R F.1668-1 Calculation Method. This is defined on the Objective Settings subtab of the Calculation tab for a link in the Link Database.
esmonthvalue	float		For report only.
esrobjectivevalue	float		The ESR value defined in the Objectives column of the PDH/SDH pane on the Objectives subtab of the Performance tab for a link on the Link database.
excess	float		The Percentage of time the rainfall is exceeded, defined on the Rainfall subtab of the Calculation tab for a link in the Link Database.
flagvalue	varchar2(255)		Stores a unique value, associating a particular field with the object.
freqbandkey	integer		Stores a unique number associating a particular frequency band with the link.
freqchannel	varchar2(32)		The name of the channel used by the frequency band, defined on the Frequency subtab of the Linkend Settings tab for a link in the Link Database.
grade	integer		The Link Grade, defined on the Objectives Settings subtab of the Calculation tab for a link in the Link Database: high(0), medium(1), local(2).
headersize	integer		The header size for a link in bytes defined on the Type sub-tab of the General tab for a link in the Link Database.
idname	varchar2(128)	not null	The Link ID, defined on the Info subtab of the General tab for a link in the Link Database.
infocomments	varchar2(255)		Stores any comments related to the link, defined on the Info subtab of the General tab for a link in the Link Database.
islinkreverse	integer		Stores a number indicating the link reverse status.
istemplate	integer		Indicates whether the link is a template (1) or not (0).

Name	Data Type	Constraint	Description
kfactor	float(64)		The Geoclimatic factor k for an ITU-R 530-7 or 530-12 link, defined on the Propagation Prediction subtab of the Calculation tab for a link in the Link Database.
linkkey	integer	not null	<b>Primary key</b> , storing a unique number for each link in the database.
linklength	float		The link length (in km) defined on the Objectives subtab of the Performance tab for a link in the Link Database.
linkparentkey	integer		Stores a unique number identifying the parent link. This is used for dual polar and multi-radio links.
linktypekey	integer		Stores a unique number associating the link with a particular link type.
losreqdate	varchar2(32)		The LOS Request sent date, defined on the Type subtab of the General tab for a link in the Link Database.
losstatus	integer		Indicates the LOS/Link Status - Unknown (0), LOS (1), No LOS (2), Confirmed LOS (3), Confirmed No LOS (4). This is defined on the Type subtab of the General tab for a link in the Link Database.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
name1	varchar2(32)		The 1st Name of the link, defined on the Info subtab of the General tab for a link in the Link Database.
name2	varchar2(32)		The 2nd name of the link, defined on the Info subtab of the General tab for a link in the Link Database.
objectvecalcmethod	varchar2 (255)		The Calculation Method defined on the Objectives Settings subtab of the Calculation tab for a link on the Link Database.
objecttype	integer		Indicates the link type - Point to point (511), Point to Multi-point (512), Back to Back PR (514) or Reflector PR (515).
overhead	integer		The Control Overhead (in kbps), defined on the Type subtab of the General tab for a link in the Link Database.
overrideobsloss	integer		Indicates whether you have overriden the obstruction loss (1) or not (0).
packetsize	integer		The packet Size in bytes defined on the Type subtab of the General tab for a link in the Link Database.
packettype	integer		The Packet Type, IPv4(0) or IPv6(1), defined on the Type subtab of the General tab for a link in the Link Database. Values are FDD (0) or TDD (1).
pdhsdhwmultiple	integer		The number of trunks for a link, defined on the Type subtab of the General tab for a link in the Link Database.

Name	Data Type	Constraint	Description
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
plvalue	float(64)		The pL Value for an ITU-R P.530-7 link, defined on the Propagation Prediction subtab of the Calculation tab for a link in the Link Database.
pointrefrgrad	float(64)		The Point refractivity gradient (in N-unit/km) for an ITU-R P.530-12 link, defined on the Propagation Prediction subtab of the Calculation tab for a link in the Link Database.
polarisation	integer		Indicates the polarisation for the link, which can be horizontal (0) or vertical (1). Defined on the Frequency subtab of the Link Database dialog box.
predmodelkey	integer		Stores a number indicating the Prediction Model selected.
projectno	float	not null	<b>Primary key</b> , storing a unique number for each project in a database.
propeffect	integer		Indicates the Propagation effect used -Rain effect terrestrial(0), Rain effect slant path(1), Rain rate(2), Multipath(3), Trans horizon land(4), Trans horizon sea(5).  This is defined on the Outage Period subtab of the Calculation tab for a link in the Link Database.
ptpfreqdiv	integer		Indicates whether the frequency diversity option has been selected (1) or not (0) (Point to point links only).  This is defined on the Frequency subtab of the Linkend Settings tab for a link in the Link Database.
radioconfigm	integer		Indicates whether or not the link is protected (1) or not (0), defined by the M setting of the Select Radio Configuration Field on the General tab of the Link Database dialog box.
radioconfign	integer		Indicates the maximum number of traffic links possible for a multi-radio link, defined by the N setting of the Select Radio Configuration Field on the General tab of the Link Database dialog box.
rainrate	float(64)		The Rain Rate for 0.01% (in mm/h), defined on the Rainfall subtab of the Calculation tab for a link in the Link Database.
rangepk	integer		The range of the link, if one has been set.
reflinklength	integer		The reference link length.
reflinklengthover	integer		Indicates whether the reference link length has been overridden (1) or not (0).
reflossA	float(64)		The calculated reflection loss at Linkend A, in dB.  This is displayed on the Link Budget subtab of the Calculation tab for a link in the Link Database.

Name	Data Type	Constraint	Description
reflossB	float(64)		The calculated reflection loss at Linkend A, in dB.  This is displayed on the Link Budget subtab of the Calculation tab for a link in the Link Database.
region	integer		Indicates the link Region.  This is defined on the Outage Period subtab of the Calculation tab for a link in the Link Database:  Global(0), Europe North West(1), [North West] [1.3GHz](2), [North West] [11GHz](3), [Mediterranean](4), [Nordic](5), [Alpine](6), [Poland](7), [Russia](8), [UK] [40 and 50 GHz](9), Congo(10), Canada [Prairie and North](11), [Coast and Great Lake](12) [Central and Mountains](13) United [States of America Virginia](14) Russia [North European Region](15) [Central and West European Region](16) [Middle Volga Region & South Urals](17) [Central Steppe & South European](18) [West Siberian Region](19) [Middle Siberian Plateau & Jakut](20) [South Far East](21) Australia [Temperate/Coastal](22) [Subtropical/Coastal](23) [Tropical/Arid](24) Brazil [Equatorial](25) [Tropical Maritime](26) [Tropical Inland](27) [Subtropical](28) Indonesia(29) Japan [Tokyo](30) [Yamaguchi](31) [Kashima](32) South Korea(33)
reqfmagainstrain	integer		The Required CFM against rain 0.01, 00 mm/h in dBm defined on the Fade Margin subtab of the Performance tab for a link in the Link Database.
sesrmonthvalue	float		For report only.
sesrobjectivevalue	float		The SESR value defined in the Objectives column of the PDH/SDH pane on the Objectives subtab of the Performance tab for a link on the Link database.
shortperiodtype	integer		The terrain type used for short worst period of time unit: Relatively Flat Path (0), Hilly Path (1), Mountainous Path (2).
shortperiodunit	integer		The unit used for short worst period of time unit: Hours (0), Days (1), Weeks (2), Month (3).
shortperiodvalue	integer		The value for the short worst period of time.
singlecapacityvalue	integer		The Single Capacity Value (in Kbps), defined on the Type subtab of the General tab for a link in the Link Database.

Name	Data Type	Constraint	Description
symmetry	integer		The number of frames out of 100 used for forward traffic shown in the left-hand Symmetry field on the Type subtab of the General tab for a link in the Link Database.
symmetrymp	integer		The number of frames out of 100 used for reverse traffic shown in the right-hand Symmetry field on the Type subtab of the General tab for a link in the Link Database.
syncdelay	float(64)		The Delay in ms defined on the Frequency subtab of the Linkend Settings tab for a link in the Link Database.
syncmode	integer		Indicates whether the TDD link is synchronised at End A (0), End B (1) or is Asynchronized (2). Defined on the Frequency subtab of the Linkend Settings tab for a link in the Link Database.
tempraturefactor	float(64)		Stores a unique number indicating the temperature factor selected for a Vigants link – Southern Temperature(0), Average Temperature(1), Northern Temperature(2). This is defined on the Propagation Prediction sub-tab of the Calculation tab for a link in the Link Database.
terrain5307	integer		Indicates the Terrain Type for an ITU-R P.530-7 link - Unknown (0), Plains (1), Hills (2) or Mountains (3). This is defined on the Propagation Prediction subtab of the Calculation tab for a link in the Link Database.
terrainrough	float(64)		Indicates the Terrain Roughness for a Vigants link. This is defined on the Propagation Prediction subtab of the Calculation tab for a link in the Link Database.
terrainroughfactor	float(64)		The Terrain Roughness Factor (in m) for a ITU-R P.530-12 link, defined on the Propagation Prediction subtab of the Calculation tab for a link in the Link Database.
totalantennagain	float		The Total antenna gain (Tx+Rx) in dBi defined on the Link Budget subtab of the Performance tab for a link on the Link Database.
totalfeederloss	float		The Total Waveguide/Feeder Loss (Tx+Rx) in dB defined on the Link Budget subtab of the Performance tab for a link on the Link Database.
useautocalcrainrate	integer		Indicates whether the Auto Calc Rain Rate option has been selected (1) or not (0). This is defined on the Rainfall subtab of the Calculation tab for a link in the Link Database.
useclimregion	integer		Indicates whether the Rain Rate for 0.01% has been defined (0) or the Use Rainzone option has been selected (1). This is defined on the Rainfall subtab of the Calculation tab for a link in the Link Database.
useitu_826	integer		Indicates whether the Objectives Calculation Method is set to ITU-R F.1668-1 (0) or ITU-T G.826 (1).

Name	Data Type	Constraint	Description
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
userobsloss	float(64)		Stores the user defined obstruction loss.
usesinglevalue	integer		Indicates whether a Single Frequency Value is being used (1) or not (0). This is defined on the Type subtab of the General tab for a link in the Link Database.
visibility	integer		Three digit code that provides the read permissions for the user, the default group they belong to and all other users. For more information on this, see the ENTERPRISE Installation and Administration Guide.
visibilitygroup	integer		Stores a number indicating the user group associated with the user with read permissions for this object.

## Table LINKAMCTHRESHOLD

This table shows the column list:

Name	DataType	Constraint	Description
atpcrange	float		The ATPC range in dB for the associated modulation type defined in the Modulation Parameters dialog box.
linkkey	number(38)	not null	<b>Primary key</b> , a unique number identifying the link.
maxtxpower	float		The maximum transmit power in dBm for the associated modulation type. This is defined in the Modulation Parameters dialog box for the link.
mintxpower	float		The minimum transmit power in dBm for the associated modulation type. This is defined in the Modulation Parameters dialog box for the link.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
modtypekey	number(38)	not null	<b>Primary key</b> , identifying the modulation type defined in the appropriate (Capacity, Modulation Parameters or Signature Parameters) dialog box.
nominalpower	float		The Nominal Power in dBm defined on the Radio A subtab of the Linkend Settings tab for a link in the database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
ptplinkendfk	number(38)	not null	A unique number associating the AMC Thresholds table with a particular link in the database.
radioequip	number(38)	not null	<b>Primary key</b> , a unique number identifying the radio assigned to this link. This is defined on the Radio sub tab of the Linkend Settings tab for a link in the database.
radioflag	number(38)		<b>Primary key</b> , a unique number identifying the radio type.
rpower	float		The received threshold in dBm for the associated modulation type. This is defined in the Modulation Parameters dialog box for the link.

Name	DataType	Constraint	Description
threshold1	float		The threshold1 value in dBm for the associated modulation type. This is defined in the Modulation Parameters dialog box for the link.
threshold2	float		The threshold2 value in dBm for the associated modulation type. This is defined in the Modulation Parameters dialog box for the link.
xpifrange	float		The XPIF range in dB defined on the Info tab of the Radio Equipment dialog box for a carrier in the database.

**Foreign Keys:**

- FK1 (projectno + ptplinkendfk) references the PTPLINKEND table

**Table LINKATTACH**

This table shows the column list:

Name	DataType	Constraint	Description
attachkey	integer	not null	<b>Primary key</b> , storing a unique number for each attached file in the database.
comments	varchar2(255)		Stores the optional description that can be added to each attachment.
filename	varchar2(255)		The file path to the attached file.
linkkey	integer	not null	Indicates the link(s) associated with each attachment.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

**Foreign Keys:**

- FK1 (projectno + linkkey) reference the LINK table

**Table LINKENDANTENNA**

This table shows the column list:

Name	Data Type	Constraint	Description
antennagroundheight	float		The ground height of the antenna.
antennaheight	float		The Height (in m) of the antenna, defined on the Antenna A (or B) subtab of the Linkend Settings tab for a link in the Link Database.
coords	mdsys.gdo_geometry		Stores the coordinates of the antenna, which are defined on the Antenna A (or B) subtab of the Linkend Settings tab for a link in the Link Database.

Name	Data Type	Constraint	Description
coordtype	integer		Indicates whether the coordinates are stored as a relative location (1) or an absolute location (0). Defined on the Antenna A (or B) subtab of the Linkend Settings tab for a link in the Link Database.
dryradomeloss	float		The Dry Radome Loss (in dB) of the antenna, defined on the Antenna A (or B) subtab of the Linkend Settings tab for a link in the Link Database.
eirp	float		The User EiRP in dBm Defined on the Antenna A (or B) subtab of the Linkend Settings tab for a link in the Link Database.
idname	varchar2(32)	not null	The Antenna ID for the antenna.
linkendantennakey	integer	not null	<b>Primary key</b> , storing a unique number for each linkend antenna in the database.
maxeirp	float		The Max EiRP in dBm Defined on the Antenna A (or B) subtab of the Linkend Settings tab for a link in the Link Database.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
mwantennakey	integer		Stores a unique number, associating a particular Antenna Type with the linkend antenna.
overrideactelev	integer		Indicates whether the Override Active Elevation option has been selected (1) or not (0). This is defined on the Antenna A/B subtab of the Linkend Settings tab for a link in the Link Database.
overrideantdir	integer		Indicates whether the Override antenna Direction option has been selected (1) or not (0). This is defined on the Antenna A/B subtab of the Linkend Settings tab for a link in the Link Database.
overrideeirp	integer		Indicates whether the Override EiRP option has been selected (1) or not (0). This is defined on the Antenna A (or B) subtab of the Linkend Settings tab for a link in the Link Database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
ptplinkendkey	integer	not null	<b>Primary key</b> , storing a unique number associating the linkend antenna with a particular linkend.
tilt	float		The User Defined Tilt (in degrees), defined on the Antenna A/B subtab of the Linkend Settings tab for a link in the Link Database.  This is for information purposes only, and is not used in any calculations.
useractelev	float		The Actual Elevation (in degrees), defined on the Antenna A/B subtab of the Linkend Settings tab for a link in the Link Database.
userantdir	float		The antenna Direction (in degrees), defined on the Antenna A/B subtab of the Linkend Settings tab for a link in the Link Database.
wetradomeloss	float		The Wet Radome Loss (in dB), defined on the Antenna A/B subtab of the Linkend Settings tab for a link in the Link Database.

## Table LINKENDFEED

This table shows the column list:

Name	DataType	Constraint	Description
feederkey	integer		Stores a unique number associating a particular feeder type with the linkend.
feederlength	float		The Feeder Length (in m), defined on the Feeders subtab of the Linkend Settings tab for a link in the Link Database.
linkendantennakey	integer	not null	Stores a unique number, associating a particular antenna with the linkend.
linkendfeedersettingskey	integer	not null	<b>Primary key</b> , storing a unique number for each set of linkend feeder settings in the database.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
overridefeederloss	integer		Indicates whether the Total Feeder Loss has been overridden (1) or not (0). This is defined on the Feeders subtab of the Linkend Settings tab for a link in the Link Database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
ptplinkendkey	integer	not null	<b>Primary key</b> , storing a unique number associating the feeder setting with a particular linkend.
radioflag	integer		Indicates which type of antenna the feeder is attached to - Antenna A Main, Antenna B Main, Antenna A Diversity or Antenna B Diversity.
userfeederloss(64)	float		The Total Feeder Loss (in dB), defined on the Feeders subtab of the Linkend Settings tab for a link in the Link Database.

### Foreign Key:

- FK1 (projectno + ptplinkendkey) references the PTPLINKEND table

## Table LINKLOSVALUES

This table shows the column list:

Name	DataType	Constraint	Description
linkloskey	number(38)	not null	<b>Primary Key</b> , storing a unique number for each link status value in a database.
linklosvalue	varchar2(512)		The name of the link status value, for example Critical LOS.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.

## Table LINKTERMEQUIP

This table shows the column list:

Name	Data Type	Constraint	Description
cost	float		The Unit cost of the link terminal equipment, defined on the Costing tab of the Link Terminal Equipment dialog box.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
description	varchar2(128)		Stores an optional description of the link terminal equipment.
idname	varchar(32)	not null	The Part ID of the link terminal equipment.
inputtype	varchar2(128)		A user specified number denoting the Input Type, defined on the Info tab of the Link Terminal Equipment dialog box.
linktermequipkey	integer	not null	<b>Primary key</b> , storing a unique number for each link terminal equipment in the database.
manufacturer	varchar2(128)		The name of the manufacturer of the link terminal equipment, defined on the Info tab of the Link Terminal Equipment dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
outputtype	varchar2(128)		A user specified number denoting the Output Type, defined on the Info tab of the Link Terminal Equipment dialog box.
parentkey	integer		Indicates the folder in which the equipment is stored, in the Link Terminal Equipment dialog box. 60000 = All projects folder 60001 = First created project folder 60002 = Second created project folder and so on.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
photofile	varchar2(128)		Stores the file path to a photo associated with the link terminal equipment, specified on the General tab of the Link Terminal Equipment dialog box.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
supplierkey	integer		Stores a number for the link terminal equipment supplier, defined on the Costing tab of the Link Terminal Equipment dialog box.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
weight	float		Stores the associated weight of the link terminal equipment.

## Table LINKTYPE

This table shows the column list:

Name	Data Type	Constraint	Description
bearer	integer		Stores a unique number indicating the bearer - microwave (0), fibre optic (1), copper (2) or satellite (3).
comments	varchar2(256)		Stores any optional comments for the link type.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
fibres	integer		The Number of Fibres for a Fibre Optic link type, defined on the Link Types dialog box.
idname	varchar2(32)	not null	The link type ID, defined in the Link Types dialog box.
installcost	float		The Installation Cost, defined in the Link Types dialog box.
linktypekey	integer	not null	<b>Primary key</b> , storing a unique number for each link type in the database.
maintencost	float		The Annual Maintenance Cost, defined in the Link Types dialog box.
manufacturer	varchar2(64)		The Manufacturer, defined in the Link Types dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		NOT USED.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rentalcostkm	float		The Annual Rental Cost/Km, defined in the Link Types dialog box.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

## Table LINKUDH

This table shows the column list:

Name	DataType	Constraint	Description
buildingraster	float		The building raster height at the point, based on the map data. This is displayed in the User Defined Profile dialog box.
buildingvector	float		The building vector height at the point, based on the map data. This is displayed in the User Defined Profile dialog box.
cluttervalue	float		The clutter height at the point, based on the map data. This is displayed in the User Defined Profile dialog box.
distance	float	not null	<b>Primary key</b> , storing the Distance (km) from End A. This is displayed in the User Defined Profile dialog box.

Name	DataType	Constraint	Description
dtm	float		The DTM height at the point, based on the map data. This is displayed in the User Defined Profile dialog box.
fresclear	float		The fresnel clearance (in m). This is displayed in the User Defined Profile dialog box.
linkkeypk	number(38)	not null	<b>Primary key</b> , storing a unique number for each link in a database.
losclear	float		The LOS clearance (in m). This is displayed in the User Defined Profile dialog box.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
theight	float		The total height (in metres). This is displayed in the User Defined Profile dialog box.
ucluttervalue	float		The clutter height at the point, based on the user-defined data. This is displayed in the User Defined Profile dialog box.
udtmvalue	float		The DTM height at the point, based on the user-defined data. This is displayed in the User Defined Profile dialog box.
uobstruction-value	float		The obstruction height at the point, based on the user-defined data. This will be either the building vector or building raster height, whichever is greater. This is displayed in the User Defined Profile dialog box.

#### Foreign Keys:

- FK1 (projectno + linkkeypk) references the LINKUDPROF table

## Table LINKUDPROF

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
linkkeypk	number(38)	not null	<b>Primary key</b> , indicating the link used for the user defined profile.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

**Foreign Keys:**

- FK1 (projectno + linkkeypk) references the LINK table

**Table MODULATIONTYPE**

This table shows the column list:

Name	DataType	Constraint	Description
bitspersymbol	float		The bits per symbol for the modulation type, defined in the Modulation Types dialog box.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
defaultkn	float		The default Kn value, defined in the Modulation Types dialog box.
idname	varchar2(64)	not null	The name of the modulation type, defined in the Modulation Types dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
modtypepk	number(38)	not null	<b>Primary key</b> , storing a unique number for each modulation type in the database.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

**Table MWANTENNATYPE**

This table shows the column list:

Name	Data Type	Constraint	Description
cost	float		The Unit cost of the antenna, defined on the Costing tab of the Microwave Antennas dialog box.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
description	varchar2(128)		Stores an optional description for a microwave antenna. This is defined on the General tab of the Microwave Antennas dialog box.
diameter	float		The Diameter (in m), defined on the Info tab of the Microwave Antennas dialog box.
equipiconkey	integer		Indicates the particular ARCHITECT symbol associated with each microwave antenna.

Name	Data Type	Constraint	Description
fccid	varchar2(20)		The FCC/ETSI id defined on the Info tab of the Microwave Antennas dialog box. This is only used for NSMA antennas.
frequency	float		The Frequency Band (in MHz), defined on the Info tab of the Microwave Antennas dialog box.
fronttobackratio	float		The Front to Back Ratio (in dB), defined on the Info tab of the Microwave Antennas dialog box.
gain	float		The Gain Value, defined on the Info tab of the Microwave Antennas dialog box (in dBi or dBd).
gaintype	integer		Indicates whether the gain is measured in dBi (0) (isotropic antennas) or dBd (1) (dipole antennas).
halfpowerbeamwidth	float		The half power beam width id defined on the Info tab of the Microwave Antennas dialog box. This is only used for NSMA antennas.
idname	varchar2(128)	not null	The Part ID, defined on the General tab of the Microwave Antennas dialog box.
manufacturer	varchar2(64)		The name of the manufacturer of the microwave antenna.
mask	clob		Stores pattern data, particularly the Pattern Type and Mask Type and the horizontal and vertical angle loss data.
maskstyle	integer		Indicates the mask style defined on the Info tab of the Microwave Antennas dialog box which can be symmetrical (0) or non symmetrical (1).
maxopfreq	float		The Max Oper Frequency (in MHz), defined on the Info tab of the Microwave Antennas dialog box.
minopfreq	float		The Min Oper Frequency (in MHz), defined on the Info tab of the Microwave Antennas dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
mwantennakey	integer	not null	<b>Primary key</b> , storing a unique number for each microwave antenna in the database.
parentkey	integer		Stores a unique number, identifying the parent folder of the microwave antenna.
patternid	varchar2(20)		The pattern id defined on the Info tab of the Microwave Antennas dialog box. This is only used for NSMA antennas.
permission	integer		NOT USED.
photofile	varchar2(128)		Stores the file path to a photo associated with the microwave antenna, specified on the General tab of the Microwave Antennas dialog box.
polarisation	integer		The type of polarisation supported on the antenna, single horizontal (0), single vertical (1), single crosspolar (2) or dual polarisation (3). This is defined on the Info tab of the Microwave Antennas dialog box.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
supplierkey	integer		Stores a number identifying the microwave antenna supplier, defined on the Costing tab of the Microwave Antennas dialog box.

Name	Data Type	Constraint	Description
tilttype	integer		Specifies the type of tilt associated with the antenna, either mechanical (1) or electrical (0).
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
weight	float		The Weight (in kg) associated with ms antenna type.

## Table PMPCARRIER

This table shows the column list:

Name	Data Type	Constraint	Description
additionalcarriertraffic	float		The Additional Carrier Traffic in kbps defined on the Type tab for a PmP Carrier in the Link Database.
capacitytype	integer		If the PDH/SDH Capacity option has been selected, this number corresponds to a particular carrier capacity type.  For PDH, possible values are 0 to 5 (for E0 to E5 respectively), 6 to 9 (for T1 to T4 respectively) and 10-14 (for J1 to J5 respectively).  For SDH, possible values are 15 to 19 (for STM1 , STM4, STM16, STM64 and STM264 respectively) and 20 to 28 (for STS1, STS3, STS9, STS12, STS18, STS36, STS48, STS192, STS768).  This is stored on the Type tab for a PmP Carrier in the Link Database.
carrieroccupancy	float		The Link Occupancy (%), defined on the Type tab for a PmP Carrier in the Link Database.
carrierusedcapacity	float		The amount of capacity used on the carrier, calculated as Routed Traffic + Control Overhead (as defined on the Type tab for a carrier in the Link Db).
channelbased	integer		Indicates whether the Channel Based option has been selected (1) or not (0). This is defined on the Radio tab for a PmP Carrier in the Link Database.
channelkey	integer	not null	A key that uniquely identifies a channel.
comments	varchar2(255)		Stores optional comments, defined on the General tab for a PmP Carrier in the Link Database.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
divchannelbased	integer		Indicates whether the Channel Based option has been selected (1) or not (0). This is defined on the Radio tab for a PmP Carrier in the Link Database.  Used for the diversity frequency only.
divchannelkey	integer	not null	A key that uniquely identifies a channel. Used for the diversity frequency only.
divableamc	integer	not null	Indicates whether the Enable AMC option is selected (1) or not (0) for this carrier. Defined on the Modulation/Capacity tab for a carrier in the Link Database.  Used for the diversity frequency only.

Name	Data Type	Constraint	Description
divenableatpc	integer		Indicates whether the enable Enable ATPC option has been selected (1) or not (0). This is defined on the Radio tab for a PmP Carrier in the Link Database. Used for the diversity frequency only.
divenablenompower	integer		Indicates whether or not the nominal power (Pnom) is enabled (1) or not (0). This is defined on the Radio tab for a PmP Carrier in the Link Database. Used for the diversity frequency only.
divenablexpic	integer		Indicates whether the enable Use XPIC option has been selected (1) or not (0). This is defined on the Radio tab for a PmP Carrier in the Link Database. Used for the diversity frequency only.
divfreqbandkey	integer		Stores a unique number associating a particular frequency band with the link. Used for the diversity frequency only.
divfreqbw	float		The Frequency Bandwidth (in MHz), defined on the Radio tab for a PmP Carrier in the Link Database. Used for the diversity frequency only.
divfreqcentre	float		The Centre Frequency (in GHz), defined on the Radio tab for a PmP Carrier in the Link Database. Used for the diversity frequency only.
divfreqchannel	varchar2(32)		The name of the channel used by the frequency band, defined on the Radio tab for a PmP Carrier in the Link Database. Used for the diversity frequency only.
divfreqdesig	integer		The Frequency Designation, either High (0) or Low (1), defined on the Radio tab for a PmP Carrier in the Link Database. Used for the diversity frequency only.
divhighpriority availability	float		The High Priority Availability percentage defined on the Modulation/Capacity tab for a PmP Carrier in the Link Database. Used for the diversity frequency only.
divhighprioritythroughput	float		The High Priority Throughput in Mbps defined on the Modulation/Capacity tab for a PmP Carrier in the Link Database. Used for the diversity frequency only.
divoverrideamc	integer	not null	Indicates whether the suggested modulation type has been overridden (1) or not (0). Defined on the Modulation/Capacity tab for a carrier in the Link Database. Used for the diversity frequency only.
divoverrideatpcrange	integer		Indicates whether the ATPC Range Override option is selected (1) or not (0). This is defined on the Radio tab for a PmP Carrier in the Link Database. Used for the diversity frequency only.
divoverride modulationtype	integer	not null	If the suggested modulation type has been overridden, this number is the primary key for the chosen modulation type as defined in the modulation type table. Used for the diversity frequency only.

Name	Data Type	Constraint	Description
divoverrideexpifvalue	integer		Indicates whether the Override XPIF Value option is selected (1) or not (0). This is defined on the Radio tab for a PmP Carrier in the Link Database.  Used for the diversity frequency only.
divpolarisation	integer		Indicates the type of polarisation on the Radio tab of the Link Database which can be horizontal (1) or vertical (2).  Used for the diversity frequency only.
divradioequip	integer		Stores a unique number identifying the radio equipment assigned to the PmP carrier. This is defined on the Radio tab for a PmP Carrier in the Link Database.  Used for the diversity frequency only.
divradmou	integer		Indicates the Operating Mode - Single (0), HotSB (1), HotSB + Space div. (2), 1+1 (single ant.) (3), 1+1 (2 ant.) (4).  This is defined on the Radio tab for a PmP Carrier in the Link Database.  Used for the diversity frequency only.
divradthresh	integer		The Threshold - either the 1st specified (0) or the 2nd (1) - defined on the Radio tab for a PmP Carrier in the Link Database.  Used for the diversity frequency only.
divrequiredavailability	float		The Required Availability percentage defined on the Modulation/Capacity tab for a PmP Carrier in the Link Database.  Used for the diversity frequency only.
divrequired throughput	float	not null	The required throughput value in Mbps defined on the Modulation/Capacity tab for a carrier in the Link Database.  Used for the diversity frequency only.
divrxattenuator	float		The Rx Atten. Losses (in dB), defined on the Radio tab for a PmP Carrier in the Link Database.  Used for the diversity frequency only.
divrxbranchloss	float		The Rx Branching Loss (in dB), defined on the Radio tab for a PmP Carrier in the Link Database.  Used for the diversity frequency only.
divrxmisloss	float		The Rx Misc Loss (in dB), defined on the Radio tab for a PmP Carrier in the Link Database.  Used for the diversity frequency only.
divsuggested modulationtype	integer	not null	The primary key of the suggested modulation type chosen by ASSET Backhaul. This references the MODULATIONTYPE table.  Used for the diversity frequency only.
divtxattenuator	float		The Tx Atten. Losses (in dB), defined on the Radio tab for a PmP Carrier in the Link Database.  Used for the diversity frequency only.
divtxbranchloss	float		The Tx Branching Loss (in dB), defined on the Radio tab for a PmP Carrier in the Link Database.  Used for the diversity frequency only.

Name	Data Type	Constraint	Description
divtxmloss	float		The Tx Misc Loss (in dB), defined on the Radio tab for a PmP Carrier in the Link Database. Used for the diversity frequency only.
duplexmethod	integer		Indicates the Duplex Method defined on the Type tab for a PmP Carrier in the Link Database. Values are FDD (0) or TDD (1).
enableamc	integer	not null	Indicates whether the Enable AMC option is selected (1) or not (0) for this carrier. Defined on the Modulation/Capacity tab for a carrier in the Link Database.
enableatpc	integer		Indicates whether the Enable ATPC option has been selected (1) or not (0). This is defined on the Radio tab for a PmP Carrier in the Link Database.
enablenompower	integer		Indicates whether or not the nominal power (Pnom) is enabled (1) or not (0). This is defined on the Radio tab for a PmP Carrier in the Link Database.
enablexpic	integer		Indicates whether the enable Use XPIC option has been selected (1) or not (0). This is defined on the Radio tab for a PmP Carrier in the Link Database.
freqbandkey	integer		Stores a unique number associating a particular frequency band with the link.
freqbw	float		The Frequency Bandwidth (in MHz), defined on the Radio tab for a PmP Carrier in the Link Database.
freqcentre	float		The Centre Frequency (in GHz), defined on the Radio tab for a PmP Carrier in the Link Database.
freqchannel	varchar2(32)		The name of the channel used by the frequency band, defined on the Radio tab for a PmP Carrier in the Link Database.
freqdesig	integer		The Frequency Designation, either High (0) or Low (1), defined on the Radio tab for a PmP Carrier in the Link Database.
freqdiv	integer		Indicates whether the Frequency Diversity option has been selected (1) or not (0). This is defined on the Radio tab for a PmP Carrier in the Link Database.
headersize	integer		The header size for a link in bytes defined on the Type tab for a carrier in the Link Database.
highpriorityavailability	float		The High Priority Availability percentage defined on the Modulation/Capacity tab for a PmP Carrier in the Link Database.
highprioritythroughput	float		The High Priority Throughput in Mbps defined on the Modulation/Capacity tab for a PmP Carrier in the Link Database.
idname	varchar2(128)	not null	The Carrier ID, defined on the General tab for a PmP Carrier in the Link Database.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
name1	varchar2(32)		The 1st Name, defined on the General tab for a PmP Carrier in the Link Database.
name2	varchar2(32)		The 2nd Name, defined on the General tab for a PmP Carrier in the Link Database.

Name	Data Type	Constraint	Description
overhead	integer		The Carrier Overhead (in Kbps), stored on the Type tab for a PmP Carrier in the Link Database.
overrideamc	integer	not null	Indicates whether the suggested modulation type has been overridden (1) or not (0). Defined on the Modulation/Capacity tab for a carrier in the Link Database.
overrideatpcrange	integer		Indicates whether the ATPC Range Override option is selected (1) or not (0). This is defined on the Radio tab for a PmP Carrier in the Link Database.
overridedivspacing	integer		Indicates whether the Optimum Diversity Spacing option is selected (1), or not (0). This is defined on the Radio tab for a PmP Carrier in the Link Database.
override modulationtype	integer	not null	If the suggested modulation type has been overridden, this number is the primary key for the chosen modulation type as defined in the modulation type table.
override xpivalue	integer		Indicates whether the Override XPIF Value option is selected (1) or not (0). This is defined on the Radio tab for a PmP Carrier in the Link Database.
packetsize	integer		The Packet Size in bytes defined on the Type tab for a PmP Carrier in the Link Database.
packettype	integer		The Packet Type, IPv4(0) or IPv6(1), defined on the Type tab for a PmP carrier in the Link Database. Values are FDD (0) or TDD (1).
pdhsdhmultiple	integer		The multiplier used along with the capacity type to calculate the carrier capacity - for example, if the carrier capacity was 2 x E1, the pdhsdhmultiple value would be 2.  This value is used when the PDH/SDH option has been selected on the Type tab for a PmP Carrier in the Link Database.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
pmpcarrierkey	integer	not null	<b>Primary key</b> , storing a unique number for each PmP carrier in the database.
pmpchannellist	varchar2(256)		Indicates user specified values defined in the PDH/SDH drop-down list on the Type tab for a hybrid in the Link Database.
pmpsectorkey	integer	not null	Stores a unique number associating the PmP carrier with a particular PmP sector.
polarisation	integer		Indicates the type of polarisation on the Radio tab of the Link Database which can be horizontal (1) or vertical (2).
predmodelkey	integer	not null	Stores a number indicating the Primary Prediction Model.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
radioequip	integer		Stores a unique number identifying the radio equipment assigned to the PmP carrier. This is defined on the Radio tab for a PmP Carrier in the Link Database.

Name	Data Type	Constraint	Description
radmou	integer		Indicates the Operating Mode - Single (0), HotSB (1), HotSB + Space div. (2), 1+1 (single ant.) (3), 1+1 (2 ant.) (4). This is defined on the Radio tab for a PmP Carrier in the Link Database.
radthresh	integer		The Threshold - either the 1st specified (0) or the 2nd (1) - defined on the Radio tab for a PmP Carrier in the Link Database.
required availability	float		The Required Availability percentage defined on the Modulation/Capacity tab for a PmP Carrier in the Link Database.
required throughput	float	not null	The required throughput value in Mbps defined on the Modulation/Capacity tab for a carrier in the Link Database.
rxattenuator	float		The Rx Atten. Losses (in dB), defined on the Radio tab for a PmP Carrier in the Link Database.
rxbranchloss	float		The Rx Branching Loss (in dB), defined on the Radio tab for a PmP Carrier in the Link Database.
rxmliscloss	float		The Rx Misc Loss (in dB), defined on the Radio tab for a PmP Carrier in the Link Database.
singlecapacityvalue	integer		The carrier capacity in Kbps. This value is used when the Single Value option has been selected on the Type tab for a PmP Carrier in the Link Database.
suggested modulationtype	integer	not null	The primary key of the suggested modulation type chosen by ASSET Backhaul. This references the MODULATIONTYPE table.
symmetry	integer		The number of frames out of 100 used for forward traffic shown in the left-hand Symmetry field on the Type tab for a PmP Carrier in the Link Database.
symmetrymp	integer		The number of frames out of 100 used for reverse traffic shown in the right-hand Symmetry field on the Type tab for a PmP Carrier in the Link Database.
syncdelay	float		The Delay in ms defined on the Type tab for a PmP Carrier in the Link Database.
txattenuator	float		The Tx Atten. Losses (in dB), defined on the Radio tab for a PmP Carrier in the Link Database.
txbranchloss	float		The Tx Branching Loss (in dB), defined on the Radio tab for a PmP Carrier in the Link Database.
txmliscloss	float		The Tx Misc Loss (in dB), defined on the Radio tab for a PmP Carrier in the Link Database.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
usesinglevalue	integer		Indicates whether the carrier capacity is stored as a single value (1) or not (0).

**Foreign Keys:**

- FK1 (projectno + pmpsectorkey) references the PMPSECTOR table

## Table PMPHUB

This table shows the column list:

Name	Data Type	Constraint	Description
comments	varchar2(255)		Stores optional comments, defined on the General tab for a PmP Hub in the Link Database.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(128)	not null	The Hub ID, defined on the General tab for a PmP Hub in the Link Database.
istemplate	integer		Indicates whether the PmP hub is a template (1) or not (0).
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
name1	varchar2(32)		The 1st Name, defined on the General tab for a PmP Hub in the Link Database.
name2	varchar2(32)		The 2nd Name, defined on the General tab for a PmP Hub in the Link Database.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
pmphubkey	integer	not null	<b>Primary key</b> , storing a unique number for each PmP Hub in the database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
siteaddrkey	integer	not null	Stores a unique number, associating the PmP hub with a particular Property.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
visibility	integer		Three digit code that provides the read permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
visibilitygroup	integer		A number representing the group defined in the Group field of the Object Read Permissions pane on the Admin tab for a PmP Hub in the Link Database.

### Foreign Keys:

- FK1 (projectno + siteaddrkey) references the SITEADDRESS table

## Table PMPHUBLINKEND

This table shows the column list:

Name	Data Type	Constraint	Description
annualavail	float		The annual availability percentage defined on the Reliability subtab of the Performance tab for a Point to Multi Point (PMP) link in the Link Database.
annualreliab	float		The total annual reliability percentage defined on the Reliability subtab of the Performance tab for a PMP link in the Link Database.
avgrefractivity	float(64)		The average refractivity value at the linkend.
bearing	float		The orientation of each of the antennas mounted on the sites in the database.
cmpfademargin	float		The composite fade margin (in dB) defined on the Fade Margin subtab of the Performance tab for a PMP link in the Link Database.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
divcmpfademargin	float		The composite fade margin (in dB) defined on the Fade Margin subtab of the Performance tab for a PMP link in the Link Database. Used for the diversity frequency only.
divrxlevel	float		The link length (in km) defined on the Objectives subtab of the Performance tab for a PMP link in the link database. Used for the diversity frequency only.
inclination	float		The tilting calculated by the tool to ensure the antenna dishes on either side of the link are directly facing each other. A positive value represents a downtilt and a negative one an up tilt.
linkkey	integer	not null	Key used to uniquely identify each link in the table.
linktermequipkey	integer		Key used to uniquely identify each link termination equipment in the table.
minantheight	float		The minimum antenna height.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
pmpcarrierkey	integer		Key used to uniquely identify each pmp carrier in the table.
pmphubkey	integer	not null	Key used to identify each pmp hub in the table.
pmphublinkendkey	integer	not null	<b>Primary key</b> , storing a unique number for each PmP hub linkend in the table.
pmpsectorkey	integer		Key used to uniquely identify each pmp sector in the table.

Name	Data Type	Constraint	Description
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rxlevel	float		The Rx Level (in dBm) defined on the Link Budget subtab of the Performance tab for a PMP link in the Link Database.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

**Foreign Keys:**

- FK1 (projectno + linkkey) references the LINK table
- FK2 (projectno + pmphubkey) references the PMPHUB table

**Table PMPSECTOR**

This table shows the column list:

Name	Data Type	Constraint	Description
comments	varchar2(255)		Stores optional comments, defined on the General tab for a PmP sector in the Link Database.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(128)	not null	The Sector ID, defined on the General tab for a PmP sector in the Link Database.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
name1	varchar2(32)		The 1st Name of the sector, defined on the General tab for a PmP sector in the Link Database.
name2	varchar2(32)		The 2nd Name of the sector, defined on the General tab for a PmP sector in the Link Database.
overridenbwdeg	float		If the Override Sector BW option has been selected, this field stores the Sector BW value in degrees.
overridebw	integer		Indicates whether the Override Sector BW option has been selected (1) or not (0). This is defined on the General tab for a PmP sector in the Link Database.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
pmphubkey	integer	not null	Stores a unique number, associating the PmP sector with a particular PmP hub.
pmpsectorkey	integer	not null	<b>Primary key</b> , storing a unique number for each PmP sector in the database.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rangemtr	float		The sector range (in m), defined on the General tab for a PmP sector in the Link Database.

Name	Data Type	Constraint	Description
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

**Foreign Keys:**

- FK1 (projectno + pmphubkey) references the PMPHUB table

**Table PRLINKEND**

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
distancetositea	float		The Dist. To Property(1) (in km) defined on the Passive Repeater subtab of the Frequency tab for a PR link in the Link Database.
distancetositb	float		The Dist. To Property(2) (in km) defined on the Passive Repeater subtab of the Frequency tab for a PR link in the Link Database.
linkendtype	integer	not null	Indicates the type of PR, either back to back (524) or reflector (525).
linkfk	integer	not null	Stores a unique number, associating the PR linkend with a particular link.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
prlinkend_pk	integer	not null	<b>Primary key</b> , storing a unique number for each PR linkend in the database.
prlinkfk	integer	not null	Stores a unique number associating the PR linkend with a particular PR link.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
siteaddressfk	integer		Stores a unique number, associating the PR linkend with a particular Property.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
waveguidelength	float		The Waveguide Length (in m), defined on the Passive Repeater subtab of the Frequency tab for a PR link in the Link Database.
waveguideloss	float		The Waveguide Loss (in dB), defined on the Passive Repeater subtab of the Frequency tab for a PR link in the Link Database.
waveguidelossperm	float		The Waveguide Loss/m (in dB), defined on the Passive Repeater subtab of the Frequency tab for a PR link in the Link Database.

**Foreign Keys:**

- FK1 (projectno + linkfk) references the LINK table
- FK2 (projectno + prlinkfk) references the PRLLINK table

## Table PRLLINK

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
idname	varchar2(128)	not null	The Link ID, defined on the Info subtab of the General tab for a Passive Repeater (PR) link in the Link Database.
istemplate	number(38)		Indicates whether or not the PR link is a template (1) or not (0).
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
objecttype	integer		Indicates the type of PR, Back to Back (514) or Reflector (515).
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
prlpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each PR link in the database.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.
visibility	number(38)		Three digit code that provides the read permissions for the user, the default group they belong to and all other users. For more information on this, see the ENTERPRISE Installation and Administration Guide.
visibilitygroup	number(38)		Stores a number indicating the user group associated with the user with read permissions for this object.

## Table PRLREF

This table shows the column list:

Name	DataType	Constraint	Description
legno	integer		Field representing the joining section for the passive repeater link.
linkpk	integer	not null	<b>Primary key</b> , uniquely identifying the link.

Name	DataType	Constraint	Description
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
objecttype	integer	not null	Indicates the type of PR link, either Back to Back (514) or Reflector (515).
prlpk	integer	not null	<b>Primary key</b> storing the passive repeater link identifier
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.

#### Foreign Keys:

- FK1 (projectno + linkpk) references the LINK table
- FK2 (projectno + prlpk) references the PRLLINK table

## Table PTPLINKEND

This table shows the column list:

Name	DataType	Constraint	Description
additionallinktraffic	float (64)		The Additional Link Traffic value (kbps), defined on the Routes tab for a link in the Link Database.
annualavail	float(64)		The annual availability (%), displayed on the Reliability subtab of the Performance tab for a link in the Link Database.
annualreliab	float(64)		The total annual reliability (%), displayed on the Reliability subtab of the Performance tab for a link in the Link Database.
avgrefractivity	float(64)		The average refractivity value, defined on the Rainfall subtab of the Calculation tab for a link in the Link Database.
bearing	float		The Direction (degrees) of each of the antennas configured on the Antenna subtab of the Linkend Settings tab for a link in the Link Database.
channelcapacity enum			Channelcapacityenum is the enum (enumerated value) that corresponds to a capacity type (such as E1 or STM16). In the code each capacity type has a corresponding numerical value (for example, the label E1 corresponds to 1 and T1 to 6). These values are stored in the database so if a link or radio equipment is set to use T1 - its database entry will be 6. This can be translated back to T1.  This is used in conjunction with the noofchannels parameter to specify the capacity for a Native TDM or Hybrid IP and TDM link, and is defined on the Type subtab of the General tab for a link in the Link Database.
channellist			If the user has specified his own number of channels, this parameter stores this value. Multiple values can be specified.  This is defined on the Frequency tab of the Radio Equipment dialog box.
cmpfademargin	float(64)		The composite fade margin (in dB) defined on the Fade Margin subtab of the Performance tab for a link in the Link Database.

Name	DataType	Constraint	Description
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
divcmpfademargin	float(64)		The composite fade margin (in dB) defined on the Fade Margin subtab of the Performance tab for a link in the Link Database. Used for the diversity frequency only.
divenableamc	integer	not null	Indicates whether the Enable AMC option is selected (1) or not (0) for this linkend. Defined on the Modulation/Capacity tab for a link in the Link Database. Used for the diversity frequency only.
divenableatpc	integer		Indicates whether the enable Enable ATPC option has been selected (1) or not (0). This is defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database. Used for the diversity frequency only.
divenablenompower	integer		Indicates whether or not the nominal power (Pnom) is enabled (1) or not (0). This is defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database. Used for the diversity frequency only.
divenablexpic	integer		Indicates whether the enable Use XPIC option has been selected (1) or not (0). This is defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database. Used for the diversity frequency only.
divfreqbw	float(64)		The Frequency Bandwidth (in MHz), defined on the Frequency subtab of the Linkend Settings tab for a link in the Link Database. Used for the diversity frequency only.
divfreqcentre	float(64)		The Centre Frequency (in GHz), defined on the Frequency subtab of the Linkend Settings tab for a link in the Link Database. Used for the diversity frequency only.
divfreqdesig	integer		The Frequency Designation, either High (0) or Low (1), defined on the Frequency subtab of the Linkend Settings tab for a link in the Link Database. Used for the diversity frequency only.
divhighpriorityavailability			The High Priority Availability percentage defined on the Modulation/Capacity subtab of the Linkend Settings tab for a link in the Link Database. Used for the diversity frequency only.
divhighprioritythroughput			The High Priority Throughput in Mbps defined on the Modulation/Capacity subtab of the Linkend Settings tab for a link in the Link Database. Used for the diversity frequency only.

Name	DataType	Constraint	Description
divoverrideamc	integer	not null	Indicates whether the suggested modulation type has been overridden (1) or not (0). Defined on the Modulation/Capacity tab for a link in the Link Database.  Used for the diversity frequency only.
divoverride-atpcrange	integer		Indicates whether the ATPC Range Override option is selected (1) or not (0). This is defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.  Used for the diversity frequency only.
divoverride modulationotype	integer	not null	If the suggested modulation type has been overridden, this number is the primary key for the chosen modulation type as defined in the modulation type table.  Used for the diversity frequency only.
divoverride xpiforderived	integer		Indicates whether the Override XPIF Value option is selected (1) or not (0). This is defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.  Used for the diversity frequency only.
divradioequip	integer		Stores a unique number identifying the radio equipment assigned to the PmP carrier. This is defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.  Used for the diversity frequency only.
divradmou	integer		Indicates the Operating Mode - Single (0), HotSB (1), HotSB + Space div. (2), 1+1 (single ant.) (3), 1+1 (2 ant.) (4).  This is defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.  Used for the diversity frequency only.
divradthresh	integer		The Threshold - either the 1st specified (0) or the 2nd (1) - defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.  Used for the diversity frequency only.
divrequired availability	float		The Required Availability percentage defined on the Modulation/Capacity subtab of the Linkend Settings tab for a link in the Link Database.  Used for the diversity frequency only.
divrequired throughput	float	not null	The required throughput value in Mbps defined on the Modulation/Capacity tab for a link in the Link Database.  Used for the diversity frequency only.
divrxattenuator	float(64)		The Rx Atten. Losses (in dB), defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.  Used for the diversity frequency only.
divrxbranchloss	float(64)		The Rx Branching Loss (in dB), defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.  Used for the diversity frequency only.

Name	DataType	Constraint	Description
divrxlevel	float(64)		The Rx Level (in dBm) defined on the Link Budget subtab of the Performance tab for a link in the Link Database.  Used for the diversity frequency only.
divrxmisloss	float(64)		The Rx Misc Loss (in dB), defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.  Used for the diversity frequency only.
divspacingref	integer		Internal use.
divsuggestedmodulationtype	integer	not null	The primary key of the suggested modulation type chosen by ASSET Backhaul. This references the MODULATIONTYPE table.  Used for the diversity frequency only.
divtxattenuator	float(64)		The Tx Atten. Losses (in dB), defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.  Used for the diversity frequency only.
divtxbranchloss	float(64)		The Tx Branching Loss (in dB), defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.  Used for the diversity frequency only.
divtxmisloss	float(64)		The Tx Misc Loss (in dB), defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.  Used for the diversity frequency only.
enableamc	integer	not null	Indicates whether the Enable AMC option is selected (1) or not (0) for this linkend. Defined on the Modulation/Capacity tab for a link in the Link Database.
enableatpc	integer		Indicates whether the enable Enable ATPC option has been selected (1) or not (0). This is defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.
enablenompower	integer		Indicates whether or not the nominal power (Pnom) is enabled (1) or not (0). This is defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.
enablexpic	integer		Indicates whether the enable Use XPIC option has been selected (1) or not (0). This is defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.
ethernetip			The Ethernet/IP Capacity in kbps defined on the Type subtab of the General tab for a link in the Link Database.
freqbw	float(64)		The Frequency Bandwidth (in MHz), defined on the Frequency subtab of the Linkend Settings tab for a link in the Link Database.
freqcentre	float(64)		The Centre Frequency (in GHz), defined on the Frequency subtab of the Linkend Settings tab for a link in the Link Database.
freqdesig	integer		The Frequency Designation, either High (0) or Low (1), defined on the Frequency subtab of the Linkend Settings tab for a link in the Link Database.

Name	DataType	Constraint	Description
highpriorityavailability			The High Priority Availability percentage defined on the Modulation/Capacity subtab of the Linkend Settings tab for a link in the Link Database.
highprioritythroughput			The High Priority Throughput in Mbps defined on the Modulation/Capacity subtab of the Linkend Settings tab for a link in the Link Database.
inclination	float		Stores the tilting computed by the tool to ensure the antenna dishes on either side of the link are directly facing each other. A positive value represents a downtilt and a negative one an up tilt.
isenda	integer		Indicates whether the linkend is end A (1) or not (0).
linkkey	integer	not null	Stores a unique number, associating the linkend with a particular link.
linkoccupancy	float		The Link Occupancy (%), defined on the Type subtab of the General tab for a link in the Link Database.
linktermequipkey	integer		Stores a unique number, associating a particular link terminal equipment with the linkend.
minantheight	float		Field that specifies the minimum antenna height.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
noofchannels	integer		<p>The number of channels, which is used in conjunction with the channelcapacityenum parameter to specify the capacity for a Native TDM or Hybrid IP and TDM link.</p> <p>This is defined on the Type subtab of the General tab for a link in the Link Database.</p>
objecttype	integer		<p>Stores a unique number identifying the object type for development use only:</p> <ul style="list-style-type: none"> <li>point to point linkend (521)</li> <li>multi radio sub linkend (565)</li> <li>dual polar sub linkend (567)</li> <li>multi radio linkend (568)</li> <li>dual polar linkend (570)</li> </ul>
overrideamc	integer	not null	Indicates whether the suggested modulation type has been overridden (1) or not (0). Defined on the Modulation/Capacity tab for a link in the Link Database.
overrideatpcrange	integer	not null	Indicates whether the ATPC Range Override option is selected (1) or not (0). This is defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.
overridedivspacing	integer		Indicates whether the Optimum Diversity Spacing option is selected (1), or not (0). This is defined on the Feeders subtab of the Linkend Settings tab for a link in the Link Database.
overridedivspacingval	float		The Optimum Diversity Space value in m. This is defined on the Feeders subtab of the Linkend Settings tab for a link in the Link Database.
override modulationtype	integer	not null	If the suggested modulation type has been overridden, this number is the primary key for the chosen modulation type as defined in the modulation type table.

Name	DataType	Constraint	Description
overridexpifvalue	integer		Indicates whether the Override XPIF Value option is selected (1) or not (0). This is defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.
permission	integer		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
ptplinkendkey	integer	not null	<b>Primary key</b> storing a unique number for each linkend in the database.
radioequipkey	integer		Stores a unique number, associating a particular radio equipment with the linkend.
radmou	integer		Indicates the Operating Mode - Single (0), HotSB (1), HotSB + Space div. (2), 1+1 (single ant.) (3), 1+1 (2 ant.) (4).  This is defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.
radthresh	integer		The Threshold - either the 1st specified (0) or the 2nd (1) - defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.
requiredavailability			The Required Availability percentage defined on the Modulation/Capacity subtab of the Linkend Settings tab for a link in the Link Database.
requiredthroughput	float	not null	The Required Throughput value in Mbps defined on the Modulation/Capacity subtab of the Linkend Settings tab for a link in the Link Database.
rxattenuator	float(64)		The Rx Atten. Losses (in dB), defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.
rxbranchloss	float(64)		The Rx Branching Loss (in dB), defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.
rxlevel	float(64)		The Rx Level (in dBm) defined on the Link Budget subtab of the Performance tab for a link in the Link Database.
rxmliscloss	float(64)		The Rx Misc Loss (in dB), defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.
siteaddrkey	integer	not null	Stores a unique number, associating the linkend with a particular Property.
suggested modulationtype	integer	not null	The primary key of the suggested modulation type chosen by ASSET Backhaul. This references the MODULATIONTYPE table.
txattenuator	float(64)		The Tx Atten. Losses (in dB), defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.
txbranchloss	float(64)		The Tx Branching Loss (in dB), defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.
txmliscloss	float(64)		The Tx Misc Loss (in dB), defined on the Radio subtab of the Linkend Settings tab for a link in the Link Database.

Name	DataType	Constraint	Description
usedavailability			Stores the amount of capacity used on the carrier if it is a part of a route.
usedcapacity			The amount of capacity used on the linkend, calculated as Routed Traffic + Control Overhead (as defined on the General>Type subtab for a linkend in the Link Db).
usepdhsdh			Indicates whether the PDH option (1) or the SDH option (0) is selected the Type subtab of the General tab for a link in the Link Database.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.

**Foreign Keys:**

- FK1 (projectno + linkkey) references the LINK table
- FK2 (projectno + siteaddrkey) references the SITEADDRESS table

**Table RADIOAMCTHRESHOLD**

This table shows the column list:

Name	DataType	Constraint	Description
ad	float		The ad value in the database for the associated modulation type defined in the Signature Parameters dialog box for the radio.
atpcrange	float		The ATPC range in dB for the associated modulation type defined in the Modulation Parameters dialog box.
bm	float		The bm value in dB in the database for the associated modulation type defined in the Signature Parameters dialog box for the radio.
bnm	float		The bnm value in dB in the database for the associated modulation type defined in the Signature Parameters dialog box for the radio.
kn	float		The kn value in the database for the associated modulation type defined in the Signature Parameters dialog box for the radio.
maxipcapacity	float		The maximum ip capacity in MBps for the associated modulation type defined in the Capacity dialog box for the radio.
maxtxpower	float		The maximum transmit power in dBm for the associated modulation type. This is defined in the Modulation Parameters dialog box for the radio.
mintxpower	float		The minimum transmit power in dBm for the associated modulation type. This is defined in the Modulation Parameters dialog box for the radio.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
modtypekey	number(38)	not null	<b>Primary key</b> , identifying the modulation type defined in the appropriate (Capacity, Modulation Parameters or Signature Parameters) dialog box.

Name	DataType	Constraint	Description
msm	float		Stores the msm value.
nochannels	number(38)		The number of capacity channels for the associated modulation type defined in the Capacities dialog box for the radio.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
radioequippk	number(38)	not null	<b>Primary key</b> , associating the AMC thresholds table with a particular radio in the database.
reducedratio	float		The reduced ratio value in the database for the associated modulation type defined in the Signature Parameters dialog box for the radio.
rpower	float		The received threshold in dBm for the associated modulation type. This is defined in the Modulation Parameters dialog box for the radio.
taum	float		The taum value in ns in the database for the associated modulation type defined in the Signature Parameters dialog box for the radio.
taunm	float		The taunm value in ns in the database for the associated modulation type defined in the Signature Parameters dialog box for the radio.
threshold1	float		The threshold1 value in dBm for the associated modulation type. This is defined in the Modulation Parameters dialog box for the radio.
threshold2	float		The threshold2 value in dBm for the associated modulation type. This is defined in the Modulation Parameters dialog box for the radio.
tiobjective	float		The ti objective in dB for the associated modulation type defined in the Modulation Parameters dialog box for the radio.
wm	float		The wm value in GHz in the database for the associated modulation type defined in the Signature Parameters dialog box for the radio.
wnm	float		The wnm value in GHz in the database for the associated modulation type defined in the Signature Parameters dialog box for the radio.
xpifrange	float		The XPIF range in dB for the associated modulation type defined in the Modulation Parameters dialog box.

**Foreign Keys:**

FK1 (projectno + radioequippk) references the RADIOEQUIP table

## Table RADIOEQUIP

This table shows the column list:

Name	DataType	Constraint	Description
amctypes	varchar2(350)		Stores the types of AMC Modulation Schemes available to this radio equipment, stored on the Configuration tab of the Radio Equipment dialog box.
approxselective	integer		Indicates whether the Approximation Method for selective multipath fading option has been selected (1) or not (0). This is defined on the Signature tab of the Radio Equipment dialog box.
bitsperblock	integer		The number of bits per block defined on the Info tab of the Radio Equipment dialog box.
blockspersecond	integer		The number of blocks per second defined on the Info tab of the Radio Equipment dialog box.
bm	float		The Bm value (in dB), defined on the Signature tab of the Radio Equipment dialog box.
channelcapacityenum	integer		Channelcapacityenum is the enum (enumerated value) that corresponds to a capacity type (such as E1 or STM16). In the code each capacity type has a corresponding numerical value (for example, the label E1 corresponds to 1 and T1 to 6). These values are stored in the database so if a link or radio equipment is set to use T1 - it's database entry will be 6. This can be translated back to T1.  This is used in conjunction with the noofchannels parameter to specify the capacity for a Native TDM or Hybrid IP and TDM link, and is defined on the Type subtab of the General tab for a link in the Link Database.
cost	float		The Unit cost, defined on the Costing tab of the Radio Equipment dialog box.
createdate	date		The date when the object was created.
createuser	integer		Stores a number indicating the user who created the object. The number is based on the order users were created in.
description	varchar2(256)		Optional entry that provides more information on the equipment added to this Radio Equipment dialog box.
dispersive	integer		Indicates whether the Dispersive Fade Margin option has been selected (1) or not (0). This is defined on the Signature tab of the Radio Equipment dialog box.
dupmethod	integer		The Duplexing Method , either FDD (0) or TDD (1), defined on the Frequency tab of the Radio Equipment dialog box.
enableatpc	integer		Indicates whether the ATPC Capable option on the Info tab of the Radio Equipment dialog box has been selected (1) or not (0).
enablexpic	integer		Indicates whether the XPIC option on the Info tab of the Radio Equipment dialog box has been selected (1) or not (0).

Name	DataType	Constraint	Description
equaliser	integer		Indicates whether the Equaliser Used option has been selected (1) or not (0) for the Approximation Method. This is defined on the Signature tab of the Radio Equipment dialog box.
family	varchar2(64)		NOT USED.
fktb	float		The FKTB, defined on the Info tab of the Radio Equipment dialog box.
framesize	float		The Frame Size (in ms) defined on the Configuration tab of the Radio Equipment dialog box.
freqband	float		The Frequency Band (in GHz), defined on the Frequency tab of the Radio Equipment dialog box.
freqbw	float		The Radio Frequency Bandwidth (in MHz), defined on the Frequency tab of the Radio Equipment dialog box.
idname	varchar2(128)	not null	The Part ID for the radio equipment, defined on the General tab of the Radio Equipment dialog box.
latency			The Latency (in ms) defined on the Configuration tab of the Radio Equipment dialog box.
manufacturer	varchar2(64)		The radio equipment Manufacturer, defined on the Info tab of the Radio Equipment dialog box.
maxcapacity	float		The maximum IP capacity (in Kbps) defined on the Configuration tab of the Radio Equipment dialog box for a Native IP radio or Hybrid radio.
maxopfreq	float		The Maximum Operating Frequency (in GHz), defined on the Frequency tab of the Radio Equipment dialog box.
minopfreq	float		The Minimum Operating Frequency (in GHz), defined on the Frequency tab of the Radio Equipment dialog box.
modifydate	date		The date when the object was last modified.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
modtypekey	integer		Stores a number identifying the Modulation Type that has been selected on the Info tab of the Radio Equipment dialog box.
modulation	varchar2(32)		The capacity type of the radio. Defined on the Configuration tab of the Radio Equipment dialog box. Possible values are: E0,E1,E2,E3,E4,E5,t1,t2,t3,t4,J1,J2,J3,J4,J5, STM0,STM1,STM4,STM16,STM64,STM256, STS1,STS3,STS9,STS12,STS18,STS24, STS36,STS48,STS192,STS768.
moucoldsb	float		The Rx Branching Loss for HotSB + space div, defined on the Loss tab of the Radio Equipment dialog box.
moudualnm	float		The Rx Branching Loss for Dual (no modulation) defined on the Loss tab of the Radio Equipment dialog box.
mouhotsb	float		The Rx Branching Loss for HotSB, defined on the Loss tab of the Radio Equipment dialog box.
mouoneplusone	float		The Rx Branching Loss for 1+1 (single ant.), defined on the Loss tab of the Radio Equipment dialog box.

Name	DataType	Constraint	Description
mouoneplustwo	float		The Rx Branching Loss for 1+1 (2 ant.), defined on the Loss tab of the Radio Equipment dialog box.
mousingle	float		The Rx Branching Loss for Single, defined on the Loss tab of the Radio Equipment dialog box.
mousinglenm	float		The Rx Branching Loss for Single (no modulation) defined on the Loss tab of the Radio Equipment dialog box.
mtbf	float		The MTBF (year), defined on the Info tab of the Radio Equipment dialog box.
multiradio	integer		Indicates whether the 'Can be Used As Part of a Multi-radio Link' option has been selected (1) or not (0). This is defined on the Configuration tab of the Radio Equipment dialog box.
noisefig	float		The noise figure (dB) used to calculate FKTB, defined on the Info tab of the Radio Equipment dialog box.
noisetemp	float		The noise temperature used to calculate FKTB, defined on the Info tab of the Radio Equipment dialog box.
operatingmode	integer	not null	Indicates the radio type defined on the General tab of the Radio Equipment dialog box - Native TDM (0), Native IP (1) or Hybrid IP and TDM (2).
override	integer		Indicates whether the Override checkbox on the Info tab of the Radio Equipment dialog box has been selected (1) or not (0).
parentkey	integer		Indicates the folder in which the equipment is stored, in the Radio Equipment dialog box. 40000 = All projects folder 40001 = First created project folder 40002 = Second created project folder, and so on.
permission	integer		NOT USED.
photofile	varchar2(128)		Stores the file path to a photo associated with the radio equipment, specified on the General tab of the Radio Equipment dialog box.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
protected	integer		Indicates whether the Protected option has been selected (1) or not (0). This is defined on the Info tab of the Radio Equipment dialog box.
radioequipkey	integer	not null	<b>Primary key</b> , storing a unique number for each radio equipment in the database.
radiotype	integer		The radio type that the equipment uses, either PDH (0) or SDH (1).
rberthreshold	float		The RBER threshold (in dBm) defined on the Info tab of the Radio Equipment dialog box.
residualber	varchar2(32)		The residual BER threshold (in dBm) defined on the Info tab of the Radio Equipment dialog box.
samemodparams	integer		Indicates whether the 'Use the same parameters for all modulations' option is selected (1) or not (0) on the Signature tab of the Radio Equipment dialog box.
sber	varchar2(32)		The SES BER defined on the Info tab of the Radio Equipment dialog box.

Name	DataType	Constraint	Description
selectedamc	integer		Identifies the AMC Modulation Scheme defined on the Configuration tab of the Radio Equipment dialog box.
selective	integer		Indicates whether the Signature information for selective multipath fading option has been selected (1) or not (0). This is defined on the Signature tab of the Radio Equipment dialog box.
sesthreshold	float		The SES threshold (in dBm) defined on the Info tab of the Radio Equipment dialog box.
singlevalue	float		Stores the Single Value capacity (in Kbps), defined on the Configuration tab of the Radio Equipment dialog box.
supplierkey	integer		Stores a number for the radio equipment supplier, defined on the Costing tab of the Radio Equipment dialog box.
taum	float		The TAUm (ns), defined on the Signature tab of the Radio Equipment dialog box.
thresh1ber	integer		The BER for Threshold 1, defined on the Info tab of the Radio Equipment dialog box.
thresh2ber	integer		The BER for Threshold 2, defined on the Info tab of the Radio Equipment dialog box.
trafficchannel	integer		Indicates the Traffic Channel, either PDH (0) or SDH (1), defined on the Frequency tab of the Radio Equipment dialog box.
transitiongap	float		The Transition Gap in ms defined on the Configuration tab of the Radio Equipment dialog box.
txmoucoldsb	float		The Tx Branching Loss for HotSB + space div, defined on the Loss tab of the Radio Equipment dialog box.
txmoudualnm	float		The Tx Branching Loss for Dual (no modulation) defined on the Loss tab of the Radio Equipment dialog box.
txmouhotsb	float		The Tx Branching Loss for HotSB, defined on the Loss tab of the Radio Equipment dialog box.
txmouoneplusone	float		The Tx Branching Loss for 1+1 (single ant.), defined on the Loss tab of the Radio Equipment dialog box.
txmouoneplustwo	float		The Tx Branching Loss for 1+1 (2 ant.), defined on the Loss tab of the Radio Equipment dialog box.
txmousingle	float		The Tx Branching Loss for Single, defined on the Loss tab of the Radio Equipment dialog box.
txmousinglenm	float		The Tx Branching Loss for Single (no modulation), defined on the Loss tab of the Radio Equipment dialog box.
useamc	integer		Indicates whether the AMC option is selected (1) or not (0), defined on the Configuration tab of the Radio Equipment dialog box.
usemsm	integer		Indicates whether or not msm is being used.
usergroup	integer		Stores a number indicating the user group associated with the user who created the object.
weight	float		Stores the weight associated with the radio equipment.

Name	DataType	Constraint	Description
wnm	float		The Wnm (in GHz), defined on the Signature tab of the Radio Equipment dialog box.

## Table RADIOMASK

This table shows the column list:

Name	DataType	Constraint	Description
attenuvalue	float		The attenuation (in dB) defined on the Tx Spectrum tab or the Rx Selectivity tab of the Radio Equipment dialog box.
masktype	number(38)	not null	<b>Primary key</b> , The mask type defined on the Tx Spectrum tab or the Rx Selectivity tab of the Radio Equipment dialog box. This can be receive (1) or transmit (0).
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
offsetvalue	number(38)	not null	<b>Primary key</b> , The offset (in MHz) defined on the Tx Spectrum tab or the Rx Selectivity tab of the Radio Equipment dialog box.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
radioequippk	number(38)	not null	<b>Primary key</b> , indicating the radio equipment on which the mask is set.

### Foreign Keys:

- FK1 (projectno + radioequippk) references the RADIOEQUIP table

## Table REFLECTOR

This table shows the column list:

Name	DataType	Constraint	Description
Area	float		The Area in square metres defined on the Passive Repeater subtab of the Performance tab for a link on the Link Database.
Azimuth	float		The Azimuth defined in the Reflector Angles pane on the Passive Repeater subtab of the Performance tab for a link on the Link Database.
centreheight	float		The Passive Centre Height (in m), defined on the Passive Repeater subtab of the Linkend Settings tab for a PR link in the Link Database.
coords	mdsys.sdo_geometry		Stores the coordinates, defined on the Passive Repeater subtab of the Linkend Settings tab for a PR link in the Link Database.
coordtype	number		Indicates whether the coordinates are stored as a relative location (1) or an absolute location (0). Defined on the Passive Repeater subtab of the Linkend Settings tab for a PR link in the Link Database.

Name	DataType	Constraint	Description
effectivearea	float		The Effective Area defined on the Passive Repeater subtab of the Performance tab for a link on the Link Database.
face	float		The Face value defined on the Passive Repeater subtab of the Performance tab for a link on the Link Database.
height	float		The Height (in m), defined on the Passive Repeater subtab of the Linkend Settings tab for a PR link in the Link Database.
included	float		The Included value defined in the Passive Angles pane on the Passive repeater subtab of the Linkend settings tab for a link in the Link Database.
linkfk	integer	not null	Stores a unique number, associating the reflector passive repeater (PR) with a particular link.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
passivegain	float		The Passive Gain in dB defined in the Gain Calculations pane on the Passive repeater subtab of the Linkend settings tab for a link in the Link Database.
pointing	float		The Pointing value defined in the Reflector Angles pane on the Passive Repeater subtab of the Performance tab for a link on the Link Database.
prlinkendfk	integer	not null	Stores a unique number, associating the reflector PR with a particular PR linkend.
prlinkfk	integer	not null	Stores a unique number, associating the reflector PR with a particular PR link.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
reflectorpk	integer	not null	<b>Primary key</b> , storing a unique number for each reflector PR in the database.
refwidth	float		NOT USED.
tilt	float		NOT USED.
vertical	float		The Vertical value defined in the Reflector Angles pane on the Passive Repeater subtab of the Performance tab for a link on the Link Database.
width	float		The Width (in m), defined on the Passive Repeater subtab of the Linkend Settings tab for a PR link in the Link Database.

**Foreign Keys:**

- FK1 (projectno + linkfk) references the LINK table
- FK2 (projectno + prlinkendfk) references the PRLINKEND table
- FK3 (projectno + prlinkfk) references the PRLLINK table

## Table SECTORANTENNA

This table shows the column list:

Name	DataType	Constraint	Description
antennaheight	float		The Height (in m), defined on the Antenna tab for a sector in the Link Database.
coords	mdsys.sdo_geometry		Stores the coordinates of the sector, which are defined on the Antenna tab for a sector in the Link Database.
coordtype	integer		Indicates whether the coordinates are stored as a relative location (1) or an absolute location (0). Defined on the Antenna A (or B) subtab of the Linkend Settings tab for a link in the Link Database.
dryradomeloss	float(64)		The Dry Radome Loss (in dB), defined on the Antenna tab for a sector in the Link Database.
eirp	float(64)		Stores the EiRP for an antenna on a sector in the Link Database.
idname	varchar2(32)	not null	The Antenna ID, defined on the Antenna tab for a sector in the Link Database.
maxeirp	float		The Max EiRP defined for an antenna on a link in the Link Database.
modifyuser	integer	not null	Stores a number indicating the last user who made changes to the table.
mwantennakey	integer		Stores a unique number, associating a particular microwave antenna type with the sector antenna. This is defined on the Antenna tab for a sector in the Link Database.
overrideactelev	integer		Indicates whether the actual elevation option has been selected (1) or not (0) for an antenna on a link in the Link Database.
overrideantdir	integer		Indicates whether the override antenna direction option has been selected (1) or not (0) for an antenna on a link in the Link Database.
overrideeirp	integer		Indicates whether the Override EiRP option has been selected (1) or not (0) for an antenna on a link in the Link Database.
pmpsectorkey	integer	not null	<b>Primary key</b> , storing a unique number associating the sector antenna with a particular PmP sector.
projectno	integer	not null	<b>Primary key</b> , storing a unique number for each project in a database.
sector-antennakey	integer	not null	<b>Primary key</b> , storing a unique number for each sector antenna in the database.
tilt	float		User defined value that provides a corrected value for the tilting of the sector antennas. This is purely an information field and is not used in any calculations.
useractelev	float		Stores the user-defined actual elevation value.
userantdir	float		Stores the user-defined antenna direction value.
wetradomeloss	float(64)		The Wet Radome Loss (in dB), defined on the Antenna tab for a sector in the Link Database.

**Foreign Keys:**

- FK1 (projectno + pmpsectorkey) references the PMPSECTOR table

## Table SHARERLINKTEMPRANGE

This table shows the column list:

Name	DataType	Constraint	Description
comments	varchar2(512)		Optional comments for the system range, displayed in the Range Settings dialog box.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rangefrom	float		The from range (in km) for the system range, defined in the Range Settings dialog box.
rangekey	number(38)	not null	<b>Primary key</b> , storing a unique number for each system range in a database.
rangelinktype	number(3)		Indicates the link type for which the system range has been created - PtP (0), PmP (1), Dual Polar (2), Multi-radio (3)
range to	float		The to range (in km) for the system range, defined in the Range Settings dialog box.

## Table SPLITTER

This table shows the column list:

Name	DataType	Constraint	Description
createdate	date		NOT USED.
createuser	integer		NOT USED.
description	varchar2(128)		NOT USED.
idname	varchar2(128)		NOT USED.
loss	float		NOT USED.
manufacturer	varchar2(128)		NOT USED.
modifydate	date		NOT USED.
modifyuser	integer		NOT USED.
permission	integer		NOT USED.
photofile	varchar2(128)		NOT USED.
projectno	integer		NOT USED.
splitterkey	integer		NOT USED.
type	varchar2(128)		NOT USED.
usergroup	integer		NOT USED.

## Table SPURLINK

This table shows the column list:

Name	DataType	Constraint	Description
class	number(38)		Stores ITU Error Performance objects.
createdate	date		The date when the object was created.
createuser	number(38)		Stores a number indicating the user who created the object. The number is based on the order users were created in.
error-performance	float		The A1, B or C parameter value, depending on whether the connection is long haul, short haul or access.  This is used in the G.826 error performance calculations, and the default = 0.
grade	number(38)		Stores grade information.
idname	varchar2(128)	not null	Lists the names given to each chain created within the database.
modifydate	date		The date when the object was last modified.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
permission	number(38)		Three digit code that provides the write permissions for the user, the default group they belong to and all other users. For more information on this, see About Permissions on page 15.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
refspurlength	number(38)		Stores a chain's calculation parameter.
refspurlength-over	number(38)		Indicates whether a spurlink length has been exceeded. 0 = not exceeded and 1 = exceeded.
spurpk	number(38)	not null	<b>Primary key</b> uniquely identifying the chain.
useitu_826	number(38)		Stores the ITU value, either G821(0), or ITU-R. P.1668-1 (1).
usergroup	number(38)		Stores a number indicating the user group associated with the user who created the object.

## Table SPURREF

This table shows the column list:

Name	DataType	Constraint	Description
linkpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each link in the chain.
modifyuser	number(38)	not null	Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
spurpk	number(38)	not null	<b>Primary key</b> , storing a unique number for each chain in the database.

**Foreign Keys:**

- FK1 (projectno + spurpk) references the SPURLINK table

**Table USERLINKTEMPRANGE**

This table shows the column list:

Name	DataType	Constraint	Description
comments	varchar2(512)		Optional comments for the user range, displayed in the Range Settings dialog box.
modifyuser	number(38)		Stores a number indicating the last user who made changes to the table.
projectno	number(38)	not null	<b>Primary key</b> , storing a unique number for each project in a database.
rangefrom	float		The from range (in km) for the user range, defined in the Range Settings dialog box.
rangekey	number(38)	not null	<b>Primary key</b> , storing a unique number for each user range in a database.
rangelinktype	number(3)		Indicates the link type for which the user range has been created - PtP (0), PmP (1), Dual Polar (2), Multi-radio (3)
rangeto	float		The to range (in km) for the user range, defined in the Range Settings dialog box.

**Common Link Database Parameters**

This table shows the Link Database parameters that appear in the CARRIERAMCTHRESHOLD, LINKAMCTHRESHOLD, PMPHUBLINKEND and PTPLINKEND tables.

Name	Data Type	Constraint	Description
annualavailp	float		The Annual availability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Percentage Calculation Mode option selected on the same tab.
annualavailsyr	float		The Annual availability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Second/Year Calculation Mode option selected on the same tab.
annualunavailp	float		The Annual unavailability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Percentage Calculation Mode option selected on the same tab.
annualunavailsyr	float		The Annual unavailability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Second/Year Calculation Mode option selected on the same tab.
atmosabsortion	float		The Atmospheric Absorption in dB defined on the Link Budget subtab of the Performance tab for a link on the Link Database.

Name	Data Type	Constraint	Description
availabilityp	float		The value shown in the Availability column of the Adaptive Modulation pane on the Adaptive Modulation subtab of the Performance tab for a link in the Link Database.
calfm	float		The value shown in the Calculated fade margin column of the Adaptive Modulation pane on the Adaptive Modulation subtab of the Performance tab for a link in the Link Database.
cmpfademargin	float		The Composite fade margin in dB, defined on the Fade Margin subtab of the Performance tab for a link on the Link Database.
crosspoloutage	float		The Cross-polarisation outage (clear-air) (Pxp) percentage defined on the Outage subtab of the Performance tab for a link in the Link Database.
dispersivefm	float		The Dispersive fade margin in dB defined on the Fade Margin subtab of the Performance tab for a link on the Link Database.
flatfm	float		The Flat fade margin in dB defined on the Fade Margin subtab of the Performance tab for a link on the Link Database.
flatfmainterf	float		The Flat fade margin after interference, in dB, defined on the Fade Margin subtab of the Performance tab for a link on the Link Database.
flatoutage	float		The Flat outage (Pns) percentage defined on the Outage subtab of the Performance tab for a link in the Link Database.
improvementfactor	float		The Improvement factor (I) defined on the Outage subtab of the Performance tab for a link in the Link Database.
linkbber	float		The BBER value defined in the Link column of the PDH/SDH pane on the Objectives subtab of the Performance tab for a link in the Link Database.
linkesr	float		The ESR value defined in the Link column of the PDH/SDH pane on the Objectives subtab of the Performance tab for a link in the Link Database.
linkper	float		The PER value defined in the Link column of the Ethernet/IP pane on the Objectives subtab of the Performance tab for a link in the Link Database.
linksesr	float		The SESR value defined in the Link column of the PDH/SDH pane on the Objectives subtab of the Performance tab for a link in the Link Database.
maxachievableput	float		The Max. Achievable Throughput in Mbps defined on the Modulation/Capacity subtab of the Linkend Settings tab for a link on the Link Database.
optimumavailcap	float		The Optimum Available Capacity in Kbps defined in the Ethernet/IP pane on the Objectives subtab of the Performance tab for a link on the Link Database.
optimumpacksize	float		The Optimum Packet Size in bytes defined in the Ethernet/IP pane on the Objectives subtab of the Performance tab for a link on the Link Database.

Name	Data Type	Constraint	Description
outageafdiversity	float		The Outage after diversity (Pd) percentage defined on the Outage subtab of the Performance tab for a link in the Link Database.
percentageoftimemode	float		The value shown in the Percentage of time in mode column of the Adaptive Modulation pane on the Adaptive Modulation subtab of the Performance tab for a link in the Link Database.
rainpr	float		The Rain (00 mm/h)(Pr) percentage defined on the Reliability subtab of the Performance tab for a link in the Link Database.
rxlevel	float		The Rx level, in dBm, defined on the Fade Margin subtab of the Performance tab for a link on the Link Database.
selectiveoutage	float		The Selective outage (Ps) percentage defined on the Outage subtab of the Performance tab for a link in the Link Database.
threshdegrad	float		The Threshold degradation in dB defined on the Fade Margin subtab of the Performance tab for a link in the Link Database.
thresholdvalue	float		The Threshold value in dBm defined on the Fade Margin subtab of the Performance tab for a link in the Link Database.
throughputmbps	float		The value shown in the Throughput (Mbps) column of the Adaptive Modulation pane on the Adaptive Modulation subtab of the Performance tab for a link in the Link Database.
totannualoutagep	float		The Total annual outage (Pt w/o div) percentage defined on the Outage subtab of the Performance tab for a link on the Link Database, with the Percentage Calculation Mode option selected on the same tab.
totannualoutageptp	float		The Total annual outage (Pt) percentage defined on the Outage subtab of the Performance tab for a link on the Link Database, with the Percentage Calculation Mode option selected on the same tab.
totannualoutageptsyr	float		The Total annual outage (Pt) percentage defined on the Outage subtab of the Performance tab for a link on the Link Database, with the Second/Year Calculation Mode option selected on the same tab.
totannualoutagesyr	float		The Total annual outage (Pt w/o div) percentage defined on the Outage subtab of the Performance tab for a link on the Link Database, with the Second/Year Calculation Mode option selected on the same tab.
totannualrelp	float		The Total annual reliability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Percentage Calculation Mode option selected on the same tab.
totannualrelyr	float		The Total annual reliability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Second/Year Calculation Mode option selected on the same tab.

Name	Data Type	Constraint	Description
totannualunrelp	float		The Total annual unreliability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Percentage Calculation Mode option selected on the same tab.
totannualunrelsyr	float		The Total annual unreliability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Second/Year Calculation Mode option selected on the same tab.
totwmoutagep	float		The Total worst (x) period outage (Pt w/o div) percentage defined on the Outage subtab of the Performance tab for a link on the Link Database, with the Percentage Calculation Mode option selected on the same tab.
totwmoutageptp	float		The Total worst (x) period outage (Pt) percentage defined on the Outage subtab of the Performance tab for a link on the Link Database, with the Percentage Calculation Mode option selected on the same tab.
totwmoutageptsyr	float		The Total worst (x) period outage (Pt w/o div) percentage defined on the Outage subtab of the Performance tab for a link on the Link Database, with the Second/Year Calculation Mode option selected on the same tab.
totwmoutagesyr	float		The Total worst (x) period outage (Pt) percentage defined on the Outage subtab of the Performance tab for a link on the Link Database, with the Second/Year Calculation Mode option selected on the same tab.
totwmrelp	float		The Total worst month reliability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Percentage Calculation Mode option selected on the same tab.
totwmrelsyr	float		The Total worst month reliability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Second/Year Calculation Mode option selected on the same tab.
totwmunrelp	float		The Total worst month unreliability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Percentage Calculation Mode option selected on the same tab.
totwmunrelsyr	float		The Total worst month reliability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Second/Year Calculation Mode option selected on the same tab.
wmavailp	float		The Worst month availability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Percentage Calculation Mode option selected on the same tab.
wmavailsyr	float		The Worst month availability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Second/Year Calculation Mode option selected on the same tab.

Name	Data Type	Constraint	Description
wmunavailp	float		The Worst month unavailability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Percentage Calculation Mode option selected on the same tab.
wmunavailsyr	float		The Worst month unavailability percentage defined on the Reliability subtab of the Performance tab for a link on the Link Database, with the Second/Year Calculation Mode option selected on the same tab.

This table shows the Link Database parameters that appear in the PMPHUBLINKEND and PTPLINKEND tables:

Name	Data Type	Constraint	Description
atmosabsortion	float		The Atmospheric Absorption in dB defined on the Link Budget subtab of the Performance tab for a link in the Link Database.
availablecapacity	float		The Available Capacity in kbps defined on the Type subtab of the General tab for a link in the Link Database.
capacitystatus	varchar2(255)		The Capacity Status in kbps defined on the Type subtab of the General tab for a link in the Link Database.
controloverhead	float		The Control Overhead in kbps defined on the Type subtab of the General tab for a link in the Link Database.
divannualavailp	float		As annualavailp (see previous table) but used for diversity frequency only.
divannualavailsyr	float		As annualavailsyr (see previous table) but used for diversity frequency only.
divannualunavailp	float		As annualunavailp (see previous table) but used for diversity frequency only.
divannualunavailsyr	float		As annualunavailsyr (see previous table) but used for diversity frequency only.
divatmosabsortion	float		As atmosabsortion (see previous table) but used for diversity frequency only.
divavailabilityp	float		As availabilityp (see previous table) but used for diversity frequency only.
divcalfm	float		As calfm (see previous table) but used for diversity frequency only.
divcrosspoloutage	float		As crosspoloutage (see previous table) but used for diversity frequency only.
divdispersivefm	float		As dispersivefm (see previous table) but used for diversity frequency only.
divequipmentpe	float		As equipmentpe (see previous table) but used for diversity frequency only.
divflatfm	float		As flatfm (see previous table) but used for diversity frequency only.
divflatfmainterf	float		As flatfmainterf (see previous table) but used for diversity frequency only.
divflatoutage	float		As flatoutage (see previous table) but used for diversity frequency only.

Name	Data Type	Constraint	Description
divfsloss	float		As fsloss (see this table) but used for diversity frequency only.
divimprovementfactor	float		As improvementfactor (see previous table) but used for diversity frequency only.
divinterfmargin	float		As interfmargin (see this table) but used for diversity frequency only.
divlinkbber	float		As linkbber (see previous table) but used for diversity frequency only.
divlinkendantgain	float		As linkendantgain (see this table) but used for diversity frequency only.
divlinkesr	float		As linkesr (see previous table) but used for diversity frequency only.
divlinkper	float		As linkper (see previous table) but used for diversity frequency only.
divlinksesr	float		As linksesr (see previous table) but used for diversity frequency only.
divmaxachievableput	float		As maxachievableput (see previous table) but used for diversity frequency only.
divobstructionloss	float		As obstructionloss (see this table) but used for diversity frequency only.
divoptimumavailcap	float		As optimumavailcap (see previous table) but used for diversity frequency only.
divoptimumpacksize	float		As optimumpacksize (see previous table) but used for diversity frequency only.
divoutageaftdiversity	float		As outageaftdiversity (see previous table) but used for diversity frequency only.
divpercentageoftimemode	float		As percentageoftimemode (see previous table) but used for diversity frequency only.
divrainpr	float		As rainpr (see previous table) but used for diversity frequency only.
divselectiveoutage	float		As selectiveoutage (see previous table) but used for diversity frequency only.
divthreshdegrad	float		As threshdegrad (see previous table) but used for diversity frequency only.
divthresholdvalue	float		As thresholdvalue (see previous table) but used for diversity frequency only.
divthroughputmbps	float		As throughputmbps (see previous table) but used for diversity frequency only.
divtotalloss	float		As totalloss (see this table) but used for diversity frequency only.
divtotannualoutagep	float		As totannualoutagep (see previous table) but used for diversity frequency only.
divtotannualoutageptp	float		As totannualoutageptp (see previous table) but used for diversity frequency only.
divtotannualoutageptsyr	float		As totannualoutageptsyr (see previous table) but used for diversity frequency only.
divtotannualoutagesyr	float		As totannualoutagesyr (see previous table) but used for diversity frequency only.
divtotannualrelp	float		As totannualrelp (see previous table) but used for diversity frequency only.

Name	Data Type	Constraint	Description
divtotannualrelysr	float		As totannualrelysr (see previous table) but used for diversity frequency only.
divtotannualunrelyp	float		As totannualunrelyp (see previous table) but used for diversity frequency only.
divtoannualunrelysr	float		As toannualunrelysr (see previous table) but used for diversity frequency only.
divtotanttenloss	float		As totanttenloss (see this table) but used for diversity frequency only.
divtotbranchloss	float		As totbranchloss (see this table) but used for diversity frequency only.
divtotmiscloss	float		As totmiscloss (see this table) but used for diversity frequency only.
divtotwmoutagep	float		As totwmoutagep (see previous table) but used for diversity frequency only.
divtotwmoutageptp	float		As totwmoutageptp (see previous table) but used for diversity frequency only.
divtotwmoutageptsy	float		As totwmoutageptsy (see previous table) but used for diversity frequency only.
divtotwmoutagesy	float		As totwmoutagesy (see previous table) but used for diversity frequency only.
divtotwmrelyp	float		As totwmrelyp (see previous table) but used for diversity frequency only.
divtotwmrelysr	float		As totwmrelysr (see previous table) but used for diversity frequency only.
divtotwmunrelyp	float		As totwmunrelyp (see previous table) but used for diversity frequency only.
divtotwmunrelysr	float		As totwmunrelysr (see previous table) but used for diversity frequency only.
divwmavailp	float		As wmaailp (see previous table) but used for diversity frequency only.
divwmavailsy	float		As wmaailsy (see previous table) but used for diversity frequency only.
divwmunavailp	float		As wmunavailp (see previous table) but used for diversity frequency only.
divwmunavailsy	float		As wmunavailsy (see previous table) but used for diversity frequency only.
equipmentpe	float		The Equipment (Pe) percentage defined on the Reliability subtab of the Performance tab for a link in the Link Database.
ethernetcapacity	float		The Ethernet/IP Capacity in kbps defined on the Type subtab of the General tab for a link with a hybrid radio type in the Link Database.
fsloss	float		The Free Space loss in dB defined on the Link Budget subtab of the Performance tab for a link on the Link Database.
interfmargin	float		The Interference margin in dB defined on the Fade Margin subtab of the Performance tab for a link on the Link Database.
linkendantgain	float		The Antenna gain in dBi defined on the Link Budget subtab of the Performance tab for a link in the Link Database.

Name	Data Type	Constraint	Description
obstructionloss	float		The Obstruction loss in dB defined on the Link Budget subtab of the Performance tab for a link in the Link Database.
tdmcapacity	float		The PDH/SDH settings defined on the Type subtab of the General tab for a link on the Link Database.
totalcap	float		The Total capacity in kbps defined on the Type subtab of the General tab for a link in the Link Database.
totalcstraffic	float		The Total CS Traffic in kbps defined on the Routes tab for a link in the Link Database.
totalloss	float		The Total loss in dB defined on the Link Budget subtab of the Performance tab for a link on the Link Database.
totalpsttraffic	float		The Total PS Traffic in kbps defined on the Routes tab for a link in the Link Database.
totanttenloss	float		The Total attenuator loss (Tx + Rx) in dB defined on the Link Budget subtab of the Performance tab for a link on the Link Database.
totbranchloss	float		The Total branching loss (Tx + Rx) in dB defined on the Link Budget subtab of the Performance tab for a link on the Link Database.
totmiscloss	float		The Total misc. loss (Tx + Rx) in dB defined on the Link Budget subtab of the Performance tab for a link on the Link Database.



## 10 About Difference Tables

The difference tables (Diff tables) in the database store information about user-specific changes. Diff tables contain all information that has been Applied but not yet Committed. These changes are associated with the user who made them. Other users can see these changes by updating network elements in the Site Database. For information on using Apply and Commit, see the *ENTERPRISE User Reference Guide*.

Note the following points about Diff tables:

- Fields starting with a **d** store the new information that has been Applied.
- Fields that do not start with a **d** (preceding the field name) contain the original data, that is, the last data that was Committed.

So, for example, these two fields exist in the DIFFMSC table:

- didname (varchar2(32)) - Updated data entry to the table.
- idname (varchar2(32)) - Original data entry to the table when the application was first loaded or subsequent data is committed.

- Values in original data fields and updated fields remain the same when any deletions or additions to the database take place. If an update to the data is performed then the two fields will differ in their contents.
- Some difference fields will always remain the same as their counterparts, such as primary key fields which are used to reference the associated data in the committed tables. Some examples of fields that remain the same are dcreatedate, dcreateuser, dprojectno, dobjectkey and dsitekey.
- Also present in each diff table is a field called diffstate. This specifies the change that has occurred to any of the database tables and will be:
  - **0** to indicate an addition of an object to the database
  - **1** to indicate an update to the current data
  - **2** to indicate a deletion

### Permissions in Difference Tables

Some Diff tables contain a permission field.

This either:

- Shows a three digit code providing the permissions for the user, the default group they belongs to and all other users. For more information on this, see About Permissions on page 15.
- Is blank and unused at present.

To see which of these is the case for a particular Diff table, view the counterpart table.



# 11 Database Changes Between ENTERPRISE Versions 9.1 and 2020

Between ENTERPRISE Versions 9.1 and 2020:

- The following tables have been added:
  - ANTCONFGROUP
  - ANTGROUPIND
  - FIVEGCARRIER
  - FIVEGCELLCAR
  - FIVEGCELLPARAMS
  - FIVEGFRAMES
  - FIVEGFREQBANDS
  - FIVEGNODECAR
  - FIVEGRSIINDICES
  - FIVEGRSISCHHEMA
  - LOGCELLFEEDER
  - SERVICECARRIER
  - TERMTYCARRIER
  - TGCLUTTERLOSSSCHEMA
  - TGCLUTTERPARAMS
  - TGCLUTTERPARAMSSCHEMA
  - TGINDOORCLUTTERLOSS
- The following tables have been dropped:
  - CLDANTENNA
  - LOGIS95FEEDER
  - LOGLTEFEEDER
  - LOGUMTSFEEDER
  - LOGWIFIFEEDER
  - LOGWIMAXFEEDER
  - LOGWIMAXMOBFEEDER
  - REPEATER
  - REPEATERCELL
  - TGCLUTPATHLOSS
  - TGSERVBITCARREINF

A number of tables have been modified. For more information, see [About the Database Tables Modified for Version 2020 on page 334](#)

## Columns Dropped

These columns were dropped from these tables:

Table	Columns Dropped
FIVEGCELLCAR	gnodebcaenabled, intergnodebcaenabled, intergnodebcacellidentity.
GSMCELL	azimuth, bcfkey, btsid, carreq, cellplannedcolorref, cntrlchan, modelkey, numcars, usepri.
PRIORUSER	allprojectspriv, projectpriv, showprojectpriv.
PRIORGROUPS	allprojectspriv, projectpriv, showprojectpriv.
LOGCELL	logcelltypefk
LOGIS95SECTOR	logcellpk, logcelltypefk
LOGLTECELL	logcellpk, logcelltypefk
LOGLTECELLCAR	enodebcaenabled, interenodebcaenabled, interenodebcacellidentity.
LOGUMTSCELL	logcellpk, logcelltypefk
LOGWIFICELL	logcellpk, logcelltypefk
LOGWIMAXCELL	logcellpk, logcelltypefk
LOGWIMAXMOBCELL	logcellpk, logcelltypefk
TERMTYPE	supported_carriers
TGSERVBIT	cp0 to cp255
TGSERVICE	carriers, carriers5g, carriers5g_1 to carriers5g_7, carriersLTE carriersLTE_1 to carriersLTE_7, carriersUMTS, carriersWiFi ul_auto_calc_re_usage, dl_auto_calc_re_usage, ul_auto_calc_re_usage5G, dl_auto_calc_re_usage5G.

## About the Database Tables Modified for Version 2020

**Table ACTIVEATTRIB**

Column	9.1	2020	Comments
techmode		Number	New column

**Table ACTIVEFLAGS**

Column	10.0.3	2020	Comments
datetime1		Timestamp(6) with Time Zone	New column
datetime2		Timestamp(6) with Time Zone	New column

**Table ANTENNADEVICE**

Column	9.1	2020	Comments
numssbbeams		Number	New column
description	Varchar2(128)	Varchar2(1000)	Field length increase

**Table ANTENNAPATTERN**

Column	9.1	2020	Comments
ssbindex		Number	New column
description	Varchar2(128)	Varchar2(1000)	Field length increase

**Table FIVEGCELLCAR**

Column	9.1	2020	Comments
assigned_first_rsi		Number	New column
assigned_num_rsi		Number	New column
delay_spread		Float	New column
dssdl		Number	New column
dssid		Varchar2	New column
dssprachrbss		Number	New column
dssul		Number	New column
prach_config_index		Number	New column
prach_fdm		Number	New column
prach_freq_start		Number	New column
prach_ncs		Number	New column
prach_restrictedset		Number	New column
prach_subcarrier_spacing		Float	New column
prach_zczc		Number	New column
preamble_format		Number	New column
rsi_calc_method		Number	New column
rsi_schema_fk		Number	New column

**Table FIVEGCELLPARAMS**

Column	9.1	2020	Comments
cellidhigh		Number	New column
nbrlimitalltechs		Number	New column
nbrlimitintercdma		Number	New column

Column	9.1	2020	Comments
nbrlimitintergsm		Number	New column
nbrlimitinterlte		Number	New column
nbrlimitinterumts		Number	New column
nbrlimitintrainter		Number	New column
nbrlimitintraintra		Number	New column

**Table FLAGVALUES**

Column	9.1	2020	Comments
datetimefielddata		Timestamp	New column

**Table GENREPEATER**

Column	9.1	2020	Comments
activetechs		Number	New column
btsfixed		Number	Moved from GSM Repeater
btskey		Number	Moved from GSM Repeater
cabinkey		Number	Moved from GSM Repeater
towerkey		Number	Moved from GSM Repeater

**Table GSMCELL**

Column	9.1	2020	Comments
nbrlimitinterfiveg		Number	New column

**Table LOGCELL**

Column	9.1	2020	Comments
activation		Number	New column
celloverridecolorref		Number	New column
cellparamspk		Number	New column
crangroup		Varchar	New column
csarea		Float	New column
csrange		Float	New column
indoorschemafk		Number	New column
secname		Varchar	New column
signallingoverhead		Float	New column

**Table LOGICALANTENNA**

Column	9.1	2020	Comments
antgroupfk		Number	New column
patfrequency		Float	New column
syncretgroupindex		Number	New column

**Table LOGIS95SECTOR**

Column	9.1	2020	Comments
activation		Number	New column
celloverridecolorref		Number	New column
cellparamspk		Number	New column
crangroup		Varchar	New column
csarea		Float	New column
csrange		Float	New column
indoorschemafk		Number	New column
nbrlimitinterfiveg		Number	New column
secname		Varchar	New column
signallingoverhead		Float	New column

**Table LOGLTECELL**

Column	9.1	2020	Comments
activation		Number	New column
beamformertype		Number	New column
beamformingsupport		Number	New column
beamformingsupport_ul		Number	New column
beamformmethod_ul		Number	New column
celloverridecolorref		Number	New column
cellparamspk		Number	New column
crangroup		Varchar	New column
csarea		Float	New column
csrange		Float	New column
nbrlimitinterfiveg		Number	New column
indoorschemafk		Number	New column
secname		Varchar	New column
signallingoverhead		Float	New column

**Table LOGLTECELLCAR**

Column	9.1	2020	Comments
bfthreshdltrafficssinr		Float	New column
bfthresnenabled		Number	New column
bfthreshrssinr		Float	New column
bfthreshhultrafficssinr		Float	New column
dsscrsm		Number	New column
dssdl		Number	New column
dssid		Varchar2	New column
dssmbsfnfmax		Number	New column
dssmbsfnfmin		Number	New column
dssmbsfnfsm		Number	New column
dssprachrbs		Number	New column
dssrestrafdl		Number	New column
dssrestraful		Number	New column
dssul		Number	New column

**Table LOGUMTSCELL**

Column	9.1	2020	Comments
activation		Number	New column
celloverridecolorref		Number	New column
cellparamspk		Number	New column
crangroup		Varchar	New column
csarea		Float	New column
csrange		Float	New column
indoorschemafk		Number	New column
nbrlimitinterfiveg		Number	New column
secname		Varchar	New column
signallingoverhead		Float	New column

**Table LOGWIFICELL**

Column	9.1	2020	Comments
activation		Number	New column
celloverridecolorref		Number	New column

Column	9.1	2020	Comments
cellparamspk		Number	New column
crangroup		Varchar	New column
csarea		Float	New column
csrange		Float	New column
indoorschemafk		Number	New column
secname		Varchar	New column
signallingoverhead		Float	New column

**Table LOGWIMAXCELL**

Column	9.1	2020	Comments
activation		Number	New column
celloverridecolorref		Number	New column
cellparamspk		Number	New column
crangroup		Varchar	New column
csarea		Float	New column
csrange		Float	New column
indoorschemafk		Number	New column
secname		Varchar	New column
signallingoverhead		Float	New column

**Table LOGWIMAXMOBCELL**

Column	9.1	2020	Comments
activation		Number	New column
celloverridecolorref		Number	New column
cellparamspk		Number	New column
crangroup		Varchar	New column
csarea		Float	New column
csrange		Float	New column
indoorschemafk		Number	New column
secname		Varchar	New column
signallingoverhead		Float	New column

**Table LTECARRIER**

Column	9.1	2020	Comments
dl_ue_rs_num_res_blocks		Number	New column
dl_ue_rs_num_subframes		Number	New column
dl_ue_rs_num_tx1		Number	New column
dl_ue_rs_num_tx2		Number	New column
dl_ue_rs_num_tx2plus		Number	New column
ul_ue_rs_num_res_blocks		Number	New column
ul_ue_rs_num_subframes		Number	New column
ul_ue_rs_subframe_tx1		Number	New column
ul_ue_rs_subframe_tx2		Number	New column
ul_ue_rs_subframe_tx2plus		Number	New column

**Table MUNODE**

Column	9.1	2020	Comments
eliteflag		Number	New column
gnodebid		Number	New column
ltenodebid		Number	New column
dc_identity		Varchar(128)	New column
dc_support_en		Number	New column
dc_support_inter		Number	New column
dc_support_lte		Number	New column
dc_support_ne		Number	New column
dc_support_nr		Number	New column

**Table PHYANTENNA**

Column	9.1	2020	Comments
availsyncretgroups		Number	New column

**Table TERMTYPE**

Column	9.1	2020	Comments
allcarriers_3g		Number	New column
allcarriers_5g		Number	New column
allcarriers_lte		Number	New column
allcarriers_wifi		Number	New column

Column	9.1	2020	Comments
crs_rate_matching_5g		Number	New column
antengain_5g		Float	New column
antenna_key_5g		Number	New column
beamwidth_5g		Float	New column
beam_forming_active_5g		Number	New column
bpsk_p12_ul_5g		Number	New column
crs_rate_matching_5g		Number	New column
dc_support_en		Number	New column
dc_support_ne		Number	New column
dc_support_nr		Number	New column
dc_support_lte		Number	New column
dc_maxcarriers_ul		Number	New column
dc_maxcarriers_dl		Number	New column
dc_maxpower		Float	New column
dynamrange_5g		Number	New column
fiveg_support		Number	New column
has_cre_support_5g		Number	New column
max_blocksize_dl_5g		Number	New column
max_blocksize_ul_5g		Number	New column
max_dl_carriers_5g		Number	New column
max_mod_scheme_dl_5g		Number	New column
max_mod_scheme_ul_5g		Number	New column
max_tx_power_5g		Float	New column
max_ul_carriers_5g		Number	New column
mu_mimo_dl_5g		Number	New column
mu_mimo_ul_5g		Number	New column
noisefig_5g		Float	New column
reqd_rsrq_5g		Float	New column
reqd_sinr_5g		Float	New column
reqrscp_5g		Float	New column
rx_comb_gain_5g		Float	New column
su_mimo_elem_cnt_dl_5g		Number	New column
su_mimo_elem_cnt_ul_5g		Number	New column
su_mimo_enable_dl_5g		Number	New column

Column	9.1	2020	Comments
su_mimo_enable_ul_5g		Number	New column
su_mimo_mode_dl_5g		Number	New column
su_mimo_mode_ul_5g		Number	New column
term_category_5g		Number	New column

**Table TGSERVBIT**

Column	9.1	2020	Comments
carrier		Number	New column
priority		Number	New column

**Table TGSERVICE**

Column	9.1	2020	Comments
bearer_selection_mode5g		Number	New column
bwallocationmodeul5g		Number	new column
carriers5g		Number	New column
carriers5g_1 to carriers5g_7		Number	New columns
carriersLTE_1 to carriersLTE_7		Number	New columns
delay5g		Float	New column
dl_auto_calc_re_usage5g		Number	New column
gtibitrateul5g		Float	New column
gtibitrateul5g		Float	New column
isrealtime5g		Number	New column
mxbitratedl5g		Number	New column
mxbitrateul5g		Float	New column
overhead_rt_dl_percent5g		Float	New column
overhead_rt_ul_percent5g		Float	New column
pelr5g		Number	New column
qci5g		Number	New column
require_licensed_Itecarrier5g		Number	New column
trafficcls5g		Number	New column
ttibundlingdlenabled5g		Number	New column
ttibundlingdlgain5g		Float	New column
ttibundlingdloverhead5g		Float	New column
ttibundlingulenabled5g		Number	New column
ttibundlingulgain5g		Float	New column

Column	9.1	2020	Comments
ttibundlinguloverhead5g		Float	New column
ul_auto_calc_re_usage5g		Number	New column



## 12 Database Changes Between ENTERPRISE Versions 10.0.3 and 2020

Between ENTERPRISE Versions 10.0.3 and 2020:

- The following tables have been added:
  - TERMTYCARRIER
- The following tables have been dropped:
  - TGSERVBITCARREINF

A number of tables have been modified. For more information, see [About the Database Tables Modified for Version 2020 on page 345](#).

### Columns Dropped

These columns were dropped from these tables:

Table	Columns Dropped
TGSERVICE	carriers carriers5g carriers5g_1 to carriers5g_7 carriersLTE carriersLTE_1 to carriersLTE_7 carriersUMTS carriersWiFi ul_auto_calc_re_usage, dl_auto_calc_re_usage, ul_auto_calc_re_usage5G, dl_auto_calc_re_usage5G.
TERMTYPE	carriers, carriers_5g up to carriers_5g_7, carriers_5g_p_0 up to carriers_5g_p_7, carriers_5g_s_0 up to carriers_5g_s_7, carriers_lte up to carriers_lte_7, carriers_lte_p0 to carriers_lte_p7, carriers_lte_s0 to carriers_lte_s7, carriers_wifi supported_carriers

### About the Database Tables Modified for Version 2020

Table ACTIVEFLAGS

Column	10.0.3	2020	Comments
datetime1		Timestamp(6) with Time Zone	New column
datetime2		Timestamp(6) with Time Zone	New column

**Table ANTENNADEVICE**

Column	10.0.3	2020	Comments
description	Varchar2(128)	Varchar2(1000)	Field length increase

**Table ANTENNAPATTERN**

Column	10.0.3	2020	Comments
description	Varchar2(128)	Varchar2(1000)	Field length increase

**Table FIVEGCELLPARAMS**

Column	10.0.3	2020	Comments
description	Varchar2(128)	Varchar2(1000)	Field length increase.

**Table FIVEGCELLCAR**

Column	10.0.3	2020	Comments
dssdl		Number	New column
dssid		Varchar2	New column
dssprachrbs		Number	New column
dssl		Number	New column

**Table FIVEGCELLPARAMS**

Column	10.0.3	2020	Comments
cellidhigh		Number	New column

**Table LOGLTECELLCAR**

Column	10.0.3	2020	Comments
dsscrsrm		Number	New column
dssdl		Number	New column
dssid		Varchar2	New column
dssmbsfnfmax		Float	New column
dssmbsfnfmin		Float	New column
dssmbsfnfnsym		Number	New column
dssprachrbs		Number	New column
dssrestrafdl		Number	New column
dssrestraful		Number	New column
dssl		Number	New column

**Table TERMTYPE**

Column	10.0.3	2020	Comments
allcarriers_3g		Number	New column
allcarriers_5g		Number	New column
allcarriers_lte		Number	New column
allcarriers_wifi		Number	New column
crs_rate_matching_5g		Number	New column



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