SecureLogix®
Published Schema

About SecureLogix Corporation

SecureLogix Corporation enables secure, optimized, and efficiently managed enterprise voice networks. The company's ETM® (Enterprise Telephony Management) System hosts a suite of integrated telecom applications that protect critical network resources from telephony-based attack and abuse, and simplify voice network management.

SecureLogix® Solutions address real-world problems for real-world voice networks. The flexible ETM System scales to support any voice environment, no matter how large or small. Engineered with full hybrid voice technology, the ETM System supports multi-vendor networks containing any mix of converging VoIP and legacy voice systems.

SecureLogix Solutions are currently securing and managing over two million enterprise phone lines. The company's customers span nearly every industry vertical, from regional banks and hospitals, to the largest military installations and multi-national corporations.

For more information about SecureLogix Corporation and its products and services, visit our website at *http://www.securelogix.com.*

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**SecureLogix Corporation offers telephone,
email, and web-based support.
For details on warranty information
and support contracts, see our web site at**

http://support.securelogix.com

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AAA_SERVICE

Contains the configuration information for AAA Services. Each row represents the configuration information for a single AAA Service. Each row will have an OID that maps to an OID in the ETM_APPLICATION table.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
COMMENTS	VARCHAR2	255	User comments for an AAA Service.

LOCKOUT_ENABLED	CHAR	1	Boolean value indicating if account lockout functionality is enabled.
			Valid values:
			    "0" - false
			    "1" - true

FAILURE_LIMIT	NUMBER	22	The number of failures that may occur before an account becomes locked. Valid range: 1 - 10.
LOCKOUT_DURATION	NUMBER	22	Millisecond duration for which an account will remain locked. Valid range: 60000 (1 minute) - 6048000000 (10 weeks).
RETAIN_FAILURES	NUMBER	22	Millisecond duration for which authentication failures are retained. Valid range: 600000 (10 minutes) - 2419200000 (4 weeks).
ROUNDS_PER_SESSION	NUMBER	22	Number of authentication rounds to allow per call before disconnecting caller. Valid range: 1 - 10.
TIME_TO_POUND	NUMBER	22	Millisecond time to allow user to enter data and pound symbol before disconnecting. Valid range: 30000 (30 seconds) - 300000 (5 minutes).
PORTAL_DURATION	NUMBER	22	Millisecond time to open portal through firewall for authenticated phone numbers. Valid range: 30000 (30 seconds) - 1800000 (30 minutes).
RINGS_TO_ANSWER	NUMBER	22	Number of rings to wait for before answering call. Valid range: 1 - 10.

ENCRYPTION_LEVEL	NUMBER	22	Encryption level to use when communicating with local appliances.
			Valid values:
			    0 - Unencrypted
			    1 - Single-DES Encryption
			    2 - Triple-DES Encryption

ENCRYPTION_KEY	VARCHAR2	255	Encryption key to use for encrypting communications with local appliances.

PORT	NUMBER	22	Port on which to listen for connections from local appliances. Valid range: 1 - 65635.

MESSAGE_TYPE0	NUMBER	22	The type of Welcome message to use.
			Valid values:
			    0 - None
			    1 - Recording

MESSAGE_TYPE1	NUMBER	22	The type of User ID prompt to use.
			Valid values:
			    0 - None
			    1 - Recording
			    2 - Prompt Tone

MESSAGE_TYPE2	NUMBER	22	The type of Pin Code prompt to use.
			Valid values:
			    0 - None
			    1 - Recording
			    2 - Prompt Tone

MESSAGE_TYPE3	NUMBER	22	The type of Invalid Authorization message to use.
			Valid values:
			    0 - None
			    1 - Recording
			    4 - Error Tone

MESSAGE_TYPE4	NUMBER	22	The type of Phone Number prompt to use.
			Valid values:
			    0 - None
			    1 - Recording
			    2 - Prompt Tone

MESSAGE_TYPE5	NUMBER	22	The type of Goodbye message to use.
			Valid values:
			    0 - None
			    1 - Recording

MESSAGE_TYPE6	NUMBER	22	The type of Disconnection message to use.
			Valid values:
			    0 - None
			    1 - Recording

MESSAGE_TYPE7	NUMBER	22	The type of Shutdown message to use.
			Valid values:
			    0 - None
			    1 - Recording

MESSAGE_TYPE8	NUMBER	22	The type of Account Locked message to use.
			Valid values:
			    0 - None
			    1 - Recording
			    4 - Error Tone

MESSAGE_TYPE9	NUMBER	22	The type of Valid Authorization message to use.
			    0 - None
			    1 - Recording
			    3 - Success Tone

DEBUG_ENABLED	CHAR	1	Boolean value indicating if debug logging is enabled.
			Valid values:
			    "0" - false
			    "1" - true

AAA_SERVICE_2_SWITCHES

Mapping table that maps AAA Services to their local Switches. There will be 0 or more rows in the table for each AAA Service defined in the AAA_SERVICE table.

Column	Type	Length	Comment
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
AAA_SERVICE_OID	CHAR	32	Object Identifier that maps to an AAA Service defined in the AAA_SERVICE table, through the OID column.
SWITCH_OID	CHAR	32	Object Identifier that maps a Switch defined in the SWITCH table, through the SWITCH.OID column.

AAA_SERVICE_MODEMS

Contains modem identifiers and modem configuration information for AAA Services. Each row represents a single modem, and there may be multiple modems for each AAA Service. The OID column maps to the AAA_SERVICE.OID column in the AAA_SERVICE table, linking an AAA Service to its modems. The OID column together with the port name column uniquely identify each modem.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that corresponds to a AAA Service by way of the OID column in the AAA_SERVICE table.
NAME	VARCHAR2	255	The modem name.
PORT_NAME	VARCHAR2	255	The port name on which the modem resides. The combination of the OID and port name will be unique.
SPEAKER_USAGE	NUMBER	22	Indicates how the modem speaker will be used. Valid values: 0 - Always off 1 - On while negotiating 2 - Always on 3 - On while answering
SPEAKER_VOLUME	NUMBER	22	Indicates the volume of the modem speaker. Valid values: 0 - Lowest volume 1 - Low volume 2 - Medium volume 3 - High volume
ENABLED	CHAR	1	Boolean value indicating if the modem should be used by the AAA Service application. Valid values: "0" - false "1" - true
INIT_STRING	VARCHAR2	255	Not currently used.

AAA_USER_RULE_OBJ

Contains the top-level definition of AAA Service User objects and groups.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SUBTYPE	NUMBER	22	The subtype of the AAA Service user 14 = AAA Service User 15 = AAA Service user group

AAA_USER_RULE_OBJ_GROUP

Contains the members of an AAA Service User Group.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SEQUENCE	NUMBER	22	Sequence number used to enumerate the row
MEM_OID	VARCHAR2	64	The OID of an AAA Service user object contained in the group
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Data Instance.
RULE_OBJ_ID	VARCHAR2	64	The string representation of the AAA Service user object object ID contained in the group

AAA_USER_VAL_RULE_OBJ

Contains the configuration information for specific AAA Service user accounts. 0 or more rows will exist for each ETM(R) Management Server application and a single row will exist for each AAA Service user account defined.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
FULL_NAME	VARCHAR2	128	The full name of the AAA Service user.
PIN_CODE	VARCHAR2	128	The hashed pin code of the AAA Service user.
ORGANIZATION	VARCHAR2	255	The organization to which the AAA Service user belongs.
HOME_PHONE	VARCHAR2	30	The home phone number of the AAA Service user.
WORK_PHONE	VARCHAR2	30	The work phone number of the AAA Service user.
PAGER_NUMBER	VARCHAR2	30	The pager number of the AAA Service user.
EMAIL_ADDRESS	VARCHAR2	255	The email address of the AAA Service user.
PASSWORD_DATE	NUMBER	22	The last time the AAA Service user change their password.

LOCK_END_TIME	NUMBER	22	The time in milliseconds a locked account will remain locked. Valid range: 60000 (1 min) - 6048000000 (10 weeks). 0 indicates that account is not locked, -1 indicated the account will not be automatically unlocked.

ACCESS_CODE_SET

Contains access code set entries. Each row represents a single Access Code Set object.

Column	*Type*	*Length*	*Comment*
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
NAME	VARCHAR2	50	The name of the access code set.
COMMENTS	VARCHAR2	255	User comments for the access code set.
POLICY_EDIT	CHAR	1	Boolean value indicating if a user requires the manage policies permission to edit the access code set. Valid values: "0" - false "1" - true
READ_ONLY	CHAR	1	Boolean value indicating that the access code set is not editable by users. Valid values: "0" - false "1" - true
IMPORT_SET_OID	CHAR	32	The OID of the import set to which the access code set belongs.
MODIFY_DATE	DATE	7	The last modification date of the access code set.
MODIFY_USER	VARCHAR2	100	The name of the last user to edit the access code set.
CREATE_DATE	DATE	7	The creation data of the access code set.
CREATE_USER	VARCHAR2	100	The name of the user who created the access code set.
EXPORT_DATE	DATE	7	The last export date of the access code set.
AUTOGEN_FIXED_LENGTH	CHAR	1	Boolean value indicating that autogenerated access codes should use a fixed length format. Valid values: "0" - false "1" - true
AUTOGEN_START_VALUE	NUMBER	22	The starting number to use for autogenerating access codes.
AUTOGEN_END_VALUE	NUMBER	22	The ending number to use for autogenerating access codes.
FILTER_OID	CHAR	32	Object ID that identifies the filter object used with the access code set.

ACS_ACCESS_CODES

Contains all access codes and their mappings to Access Code Sets and Directory Listings.

Column	Type	Length	Comment
ACS_OID	CHAR	32	The oid of the Access Code Set.
LISTING_OID	CHAR	32	The oid of the Directory Listing.
ACCESS_CODE	VARCHAR2	255	The access code.
MODIFIED_DATE	DATE	7	The date the access code was last modified.

ACS_BLACKLIST

Contains the set of blacklisted access codes for the access code sets.

Column	Type	Length	Comment
ACS_OID	CHAR	32	The oid of the Access Code Set.
ACCESS_CODE	VARCHAR2	255	The blacklisted access code.
BLACKLISTED_DATE	DATE	7	The date the access code was blacklisted.
COMMENTS	VARCHAR2	255	User comments for the blacklisted access code.

ACTIVE_ADP_LOG

Contains the active anomaly detection log entries.

Column	Type	Length	Comment
OID	NUMBER	22	Value that uniquely identifies the row.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
POLICY_OID	CHAR	32	The policy to which this interval belongs
RULE_OID	CHAR	32	The rule to which this interval belongs
RULE_VER	NUMBER	22	The version of the rule to which this interval belongs
LOG_CREATE_TIME	DATE	7	The time at which this log_entry was actually created. This time will be at some point after the interval actually began.
LOG_COMPLETE_TIME	DATE	7	The time at which this log_entry was completed. The log may be closed because the interval has ended, or due to rule change, policy uninstall, etc.
INTERVAL_START_TIME	DATE	7	The time at which this interval began

INTERVAL_END_TIME	DATE	7	The time at which this interval ended. This may either be the time that the interval is scheduled to end, or it may be the time at which the interval was cancelled. This column will be null until the interval has ended.
BREACH_START_TIME	DATE	7	The time at which the rule was breached.
COMPLETED_DURATION	NUMBER	22	The duration of the completed calls.
COMPLETED_COUNT	NUMBER	22	The count of the completed calls.
COMPLETED_COST	NUMBER	22	The cost of the completed calls.
CURRENT_DURATION	NUMBER	22	The duration of the current calls.
CURRENT_COUNT	NUMBER	22	The count of the current calls.
CURRENT_COST	NUMBER	22	The cost of the current calls.
PREVENTED_COUNT	NUMBER	22	The count of the prevented calls.
DISPOSITION	NUMBER	22	A bit-wise field which is the disposition of the interval. Valid values: "0" - Cancelled "1" - Completed "2" - Breached
ACTION	NUMBER	22	Specifies whether calls were allowed or terminated: Valid values: "0" - Allowed "1" - Terminate Current And Future "2" - Terminate Future
TRACK	NUMBER	22	The track that fired for this call. Valid values are: 0 = DISCONNECT 1 = LOG 2 = ALERT 3 = EMAIL 4 = PAGE 5 = SNMP 6 = PENETRATE (no longer supported) 7 = ENCRYPT (no longer supported)

ACTIVE_CALL

The ACTIVE_CALL table stores calls that are in progress or recently completed. Calls will be stored in this table until the migrator moves the calls to the CALL table.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
SENSOR_OID	VARCHAR2	32	Object Identifier that maps to the appliance that monitored this call.
CHANNEL	NUMBER	22	The channel on which this call occurred.

END_TIME	DATE	7	The end time of the call.
DIRECTION	NUMBER	22	Integer to indicate whether the call was inbound or outbound. Valid values: "0" - Inbound "1" - true
CALLER_ID	VARCHAR2	255	The Caller ID as read from the line.
SOURCE	VARCHAR2	255	Formatted Source Telephone Number.
DESTINATION	VARCHAR2	255	Formatted Destination Telephone Number.
RAW_DEST	VARCHAR2	255	The raw destination digits (no formatting).
PREFIX	VARCHAR2	42	Vertical Service Codes or any other digits before the destination was dialed.
SUFFIX	VARCHAR2	88	Digits trailing the phone number. Referred to as mid-call digits.
SMDR_1	VARCHAR2	50	column used to store SMDR Data retrieved from SMDR Provider.
SMDR_2	VARCHAR2	50	column used to store SMDR Data retrieved from SMDR Provider.
SMDR_3	VARCHAR2	50	column used to store SMDR Data retrieved from SMDR Provider.
CALL_FLAGS	VARCHAR2	60	Call Details as defined in dialing plan.
SRC_FLAGS	VARCHAR2	60	Source Details as defined in dialing plan.
DEST_FLAGS	VARCHAR2	60	Destination Details as defined in dialing plan.
START_TIME	DATE	7	The start time of the call - different than connect time.
LOCAL_OFFSET	NUMBER	22	This is the number of minutes difference between the local time of the network and GMT at the instance the call occurred.
SMDR_ACCESS_CODE	VARCHAR2	255	The authorization number for this call provided by smdr.
START_MILLIS	NUMBER	22	The subsecond part of the call start time

ACTIVE_CALL_ADJUNCT

This table stores call data (in addition to the data in the call table) for calls that have recently occurred or are currently in progress.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	Object ID of the call that uniquely identifies a row in this table.
CONNECT_TIME	DATE	7	The connect time of the call. Will be null for unanswered and busy calls.

NUM_TYPES	NUMBER	22	The number of times the call changes types.
TYPES	NUMBER	22	The type(s) for this call. The field is stored as a bitwise enumeration and therefore the values listed below are actually the right-oriented bit-positions. Valid values are: 0 = FAX 1 = MODEM 2 = VOICE 3 = UNKNOWN 4 = STU_DATA (no longer supported) 5 = STU_VOICE (no longer supported) 6 = STU_UNK 7 = BUSY 8 = UNANSWERED 9 = WIDE_BAND 10 = WIDE_BAND_VIDEO 11 = OFF_HOOK 12 = MODEM_ENERGY
ACTIONS	NUMBER	22	The track(s) that fired for this call by the Firewall policy. The field is stored as a bitwise enumeration and therefore the values listed below are actually the right-oriented bit-positions. Valid values are: 0 = DISCONNECT (no longer supported) 1 = LOG 2 = ALERT 3 = EMAIL 4 = PAGE 5 = SNMP 6 = PENETRATE (no longer supported) 7 = ENCRYPT (no longer supported)
VPN_ACTIONS	NUMBER	22	The track(s) that fired for this call by the VPN policy. The field is stored as a bitwise enumeration and therefore the values listed below are actually the right-oriented bit-positions. Valid values are: 0 = DISCONNECT (no longer supported) 1 = LOG 2 = ALERT 3 = EMAIL 4 = PAGE 5 = SNMP 6 = PENETRATE (no longer supported) 7 = ENCRYPT (no longer supported)

ACTIVE_CALL_CCMI

This table stores the key correlations between the call table and the ccmi_data table.

Column	*Type*	*Length*	*Comment*
CALL_OID	NUMBER	22	This row can be mapped to the call table using this column.
TERM	CHAR	1	Identifies the row as matching either the source or destination number. Valid values are: S = source D = destination
COUNTRY_CODE	VARCHAR2	3	The country code of the ccmi_data key.

AREA_CITY_CODE	VARCHAR2	57	The area/city code of the ccmi_data key.

ACTIVE_CALL_TO_AAA_USER

Table that maps a call to the AAA Service User who authorized the call. The ETM Management Server may write to this table quite often.

Column	*Type*	*Length*	*Comment*
CALL_OID	NUMBER	22	Object identifier that maps to a call in the ACTIVE_CALL table by way of the ACTIVE_CALL.call_oid column.
USER_OID	CHAR	32	Object identifier that maps to an AAA Service User in the rule object tables by way of the OID columns. See the rule_obj and aaa_user_val_rule_obj tables.

ACTIVE_CALL_TO_VOIP

The details for each stream associated with a voip call in the database. There will be one or more row for each call in the active_call table where traffic is observed by the span.

Column	*Type*	*Length*	*Comment*
CALL_OID	NUMBER	22	OID matching this row to a row in the active_call table
STREAM_ID	NUMBER	22	The ID of the stream as reported by the span.
BEGIN_OFFSET	NUMBER	22	An start offset time for the stream, in milliseconds from the beginning of the call
END_OFFSET	NUMBER	22	An end offset time for the stream, in milliseconds from the beginning of the call
SOURCE_IP	RAW	16	This is the media originator
SOURCE_PORT	NUMBER	22	The port used by the source of the stream
DEST_IP	RAW	16	This is the media recipient
DEST_PORT	NUMBER	22	The port used by the destination of the stream
DIRECTION	NUMBER	22	This indicates the direction of the traffic the remaining columns refer to
CODEC_TYPE	NUMBER	22	The codec used for the stream, in this direction, as defined by IETF RFC 1890
CODEC_NAME	VARCHAR2	255	The name of the codec used
CODEC_RATE	NUMBER	22	The rate used by this codec
CODEC_CHANNELS	NUMBER	22	The number of channels used by the codec
BYTES	NUMBER	22	The number of bytes transferred over the course of the stream
PACKETS	NUMBER	22	The number of packets transferred over the course of the stream

PACKETS_LOST	NUMBER	22	The number of packets lost over the course of the stream
JITTER	NUMBER	22	The jitter measured over the course of the stream
LATENCY	NUMBER	22	The latency measured over the course of the stream
SEQUENCE	NUMBER	22	Sequence number used to enumerate the row.

ACTIVE_DIAGNOSTICS

Contains active diagnostic log message for various system events. 0 or more rows may exist for an ETM(R) Management Server.

Column	Type	Length	Comment
OID	NUMBER	22	Name that uniquely identifies the row.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
LOG_TIME	DATE	7	The date and time at which the ETM(R) Management Server received the diagnostic message.
EVENT_TYPE	NUMBER	22	The type of event that occurred. Valid types: 0 - Internal 1 - Security 2 - Panic 3 - Error 4 - Warning 5 - Start/Stop 6 - Debug 7 - Info 8 - Telco 9 - Policy 10 - Scan
EVENT_TIME	DATE	7	The date and time at which the event actually occurred.
EVENT_SUBTYPE	VARCHAR2	50	The string representation of the subtype for the event.
EVENT_SOURCE	NUMBER	22	A numeric lookup value for the source-class of the event.
DESCRIPTION	VARCHAR2	150	The description of the event.

ACTIVE_TERMINATIONS

This table stores the disposition of a call in the "active" phase with respect to termination within the ETM system.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	Object ID that uniquely identifies a row in this table. These values can be mapped to the call table using this column.

DISPOSITION	NUMBER	22	The disposition of what ETM did to the call represented by a bit field:
			   0 = TERMINATED
			   1 = TERMINATE_DISABLED
			   2 = ALLOW
			   3 = TERM_FAILED_CALL_ENDED

PROTECTIONS	NUMBER	22	The ETM module(s) that acted that affected the disposition represented by a bit field:
			   0 = USER
			   1 = TELEWALL_RULE
			   2 = TELEVPN_RULE
			   3 = ADP_RULE

ACTIVE_TRIGGER_LOG

This table stores the rule-fire events that occur for the calls in the ACTIVE_CALL table.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	Object ID that uniquely identifies a row in this table. These values can be mapped to the call table using this column.
SEQUENCE	NUMBER	22	The one-up value of this rule log. Calls may fire multiple rules and this column is used to track the sequence.
POLICY_OID	CHAR	32	The oid of the policy from which the rule fired. This oid can be referenced in the policy table to return more information about the policy.
RULE_NUM	NUMBER	22	The rule number of the rule that fired.

AMBIGUOUS	CHAR	1	Boolean value indicating if the rule fired ambiguously
			Valid values:
			   "0" - false
			   "1" - true

ACTIVE_VOIP_STATS

Contains the active voip statistic entries.

Column	Type	Length	Comment
OID	NUMBER	22	Value that uniquely identifies the row.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
TIMESTAMP	DATE	7	The start time of the minute interval for which this record represents.
SENSOR_OID	VARCHAR2	32	Object Identifier that maps to the appliance which gathered the statistics.
RATE_MAX_ALL	NUMBER	22	The maximum number of bits monitored by the device (sensor_oid) during a single second of the minute interval for all media traffic.

RATE_MAX_IN	NUMBER	22	The maximum number of bits monitored by the device (sensor_oid) during a single second of the minute interval for inbound media traffic.
RATE_MAX_OUT	NUMBER	22	The maximum number of bits monitored by the device (sensor_oid) during a single second of the minute interval for outbound media traffic.
RATE_MIN_ALL	NUMBER	22	The minimum number of bits monitored by the device (sensor_oid) during a single second of the minute interval for all media traffic.
RATE_MIN_IN	NUMBER	22	The minimum number of bits monitored by the device (sensor_oid) during a single second of the minute interval for inbound media traffic.
RATE_MIN_OUT	NUMBER	22	The minimum number of bits monitored by the device (sensor_oid) during a single second of the minute interval for outbound media traffic.
BYTES_IN	NUMBER	22	The total number of bytes monitored by the device (sensor_oid) during the minute interval for inbound media traffic.
BYTES_OUT	NUMBER	22	The total number of bytes monitored by the device (sensor_oid) during the minute interval for outbound media traffic.
PACKETS_IN	NUMBER	22	The total number of packets monitored by the device (sensor_oid) during the minute interval for inbound media traffic.
PACKETS_OUT	NUMBER	22	The total number of packets monitored by the device (sensor_oid) during the minute interval for outbound media traffic.
PACKETLOSS_IN	NUMBER	22	The amount of packet loss reported to the device (sensor_oid) during the minute interval for inbound media traffic.
PACKETLOSS_OUT	NUMBER	22	The amount of packet loss reported to the device (sensor_oid) during the minute interval for outbound media traffic.
JITTER_IN	NUMBER	22	The amount of jitter reported to the device (sensor_oid) during the minute interval for inbound media traffic.
JITTER_OUT	NUMBER	22	The amount of jitter reported to the device (sensor_oid) during the minute interval for outbound media traffic.
JITTER_ALL	NUMBER	22	An aggregate of the amount of jitter reported to the device (sensor_oid) during the minute interval for inbound and outbound media traffic.
STATE	NUMBER	22	Status of data from minute interval.

ACTIVE_VOIP_SUMMARY

Contains a summary of statistics for each call in the database. There should be one row in this table for each row in the active_call table where traffic was actually observed.

Column	Type	Length	Comment

CALL_OID	NUMBER	22	The OID of this call in the active_call table
IN_CODEC	VARCHAR2	255	the most-used codec for this call in the inbound direction
OUT_CODEC	VARCHAR2	255	the most-used codec for this call in the outbound direction
IN_BYTES	NUMBER	22	The total number of bytes inbound for all streams for the call
OUT_BYTES	NUMBER	22	The total number of bytes inbound for all streams for the call
IN_PACKLOSS	NUMBER	22	The total inbound packets lost for the call
OUT_PACKLOSS	NUMBER	22	The total outbound packets lost for the call
IN_JITTER	NUMBER	22	The average jitter for the call, inbound
OUT_JITTER	NUMBER	22	The average jitter for the call, outbound
IN_IP	RAW	16	The external IP associated with the most inbound traffic for the call
OUT_IP	RAW	16	The internal IP associated with the most outbound traffic for the call
IN_PACKETS	NUMBER	22	The total inbound packets transferred over the course of the call
OUT_PACKETS	NUMBER	22	The total outbound packets transferred over the course of the call

ACTIVE_VPN_LOG

This table store the VPN rule-fired events that occur for calls that reside in the ACTIVE_CALL table.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	Object ID that uniquely identifies a row in this table.
POLICY_OID	CHAR	32	The oid of the TeleVPN policy from which the rule fired. This oid can be referenced in the policy table to return more information about the policy.
RULE_NUM	NUMBER	22	The rule number of the rule that fired.

ENCRYPT_REQUEST	NUMBER	22	The type of encryption that was requested:
			    0 = CLEAR
			    1 = 3DES

ENCRYPT_ACTUAL	NUMBER	22	The type of encryption that actually occurred:
			    0 = CLEAR
			    1 = 3DES

TRANSMIT_MODE	NUMBER	22	The transmission mode status: 0 = DATA_CHANNEL_64K 1 = DATA_CHANNEL_56K 2 = TRANS_VOICE_CHANNEL_48K 3 = VOICE_CHANNEL_48K 4 = VOICE_CHANNEL_40K 5 = VOICE_CHANNEL_32K 6 = VOICE_CHANNEL_24K
RECEIVE_MODE	NUMBER	22	The receive mode status: 0 = DATA_CHANNEL_64K 1 = DATA_CHANNEL_56K 2 = TRANS_VOICE_CHANNEL_48K 3 = VOICE_CHANNEL_48K 4 = VOICE_CHANNEL_40K 5 = VOICE_CHANNEL_32K 6 = VOICE_CHANNEL_24K
CLEAR_DETAIL	NUMBER	22	The details on why the call was not encrypted: 0 = REQUESTED_CLEAR 1 = ACK_FAILURE 2 = NO_VPN_FOUND 3 = CONFLICT 4 = DATA_CALL 5 = RESOURCE_ERROR 6 = CALL_ENDED 7 = TIMEOUT 8 = IMPAIRMENTS 9 = MODE_EXHAUSTION 10 = LOST_SYNCH 11 = UNKNOWN_RESPONSE 12 = COMMAND_EXECUTION_ERROR 13 = UNKNOWN_VPN_ERROR
ATTRIBUTES	NUMBER	22	The attributes of the TeleVPN call: 0 = HIGH_ASSURANCE 1 = TRANSPARENT_PROTOCOL 2 = DSN_NUMBER_ADJUSTED 3 = DSN_NUMBER_UNADJUSTED

ADP_CALL_LOG

Contains the mappings of calls to rules that were fired.

Column	Type	Length	Comment
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
POLICY_OID	CHAR	32	The policy to which this interval belongs
RULE_OID	CHAR	32	The rule to which this interval belongs
CALL_OID	NUMBER	22	The call which corresponds to the rule firing.

ADP_COMPLETED_CALLS

These are the calls that are completed at the beginning of the IPS Polling Interval. These calls are tracked so that they can be deleted from the adp_call_log once the polling is complete.

Column	Type	Length	Comment
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
CALL_OID	NUMBER	22	The call which corresponds to the rule firing.

ADP_INTERVAL

This table stores the intervals for ADP processing.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
NAME	VARCHAR2	255	The name of this object.
ACOMMENT	VARCHAR2	255	The comment for this object.
RECURRENCE	NUMBER	22	A boolean which identifies a weekly or daily recurrence. 0 = daily 1 = weekly
HOURLY	NUMBER	22	A boolean which determines if this object has an hourly sub-interval. 0 = no 1 = yes
DAYS	NUMBER	22	A bitfield which determines the start day(s) of the interval. 0 = SUN 1 = MON 2 = TUE 3 = WED 4 = THU 5 = FRI 6 = SAT
TIME	NUMBER	22	The start time of the interval (milliseconds).
DURATION	NUMBER	22	The length of the interval (milliseconds).

ADP_LOG

Contains the archived anomaly detection log entries.

Column	Type	Length	Comment
OID	NUMBER	22	Value that uniquely identifies the row.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
POLICY_OID	CHAR	32	The policy to which this interval belongs
RULE_OID	CHAR	32	The rule to which this interval belongs

RULE_VER	NUMBER	22	The version of the rule to which this interval belongs
LOG_CREATE_TIME	DATE	7	The time at which this log_entry was actually created. This time will be at some point after the interval actually began.
LOG_COMPLETE_TIME	DATE	7	The time at which this log_entry was completed. The log may be closed because the interval has ended, or due to rule change, policy uninstall, etc.
INTERVAL_START_TIME	DATE	7	The time at which this interval began
INTERVAL_END_TIME	DATE	7	The time at which this interval ended. This may either be the time that the interval is scheduled to end, or it may be the time at which the interval was cancelled. This column will be null until the interval has ended.
BREACH_START_TIME	DATE	7	The time at which the rule was breached.
COMPLETED_DURATION	NUMBER	22	The duration of the completed calls.
COMPLETED_COUNT	NUMBER	22	The count of the completed calls.
COMPLETED_COST	NUMBER	22	The cost of the completed calls.
CURRENT_DURATION	NUMBER	22	The duration of the completed calls.
CURRENT_COUNT	NUMBER	22	The count of the completed calls.
CURRENT_COST	NUMBER	22	The cost of the current calls.
PREVENTED_COUNT	NUMBER	22	The count of the prevented calls.
DISPOSITION	NUMBER	22	A bit-wise field which is the disposition of the interval. Valid values: "0" - Cancelled "1" - Completed "2" - Breached
ACTION	NUMBER	22	Specifies whether calls were allowed or terminated: Valid values: "0" - Allowed "1" - Terminate Current And Future "2" - Terminate Future
TRACK	NUMBER	22	The track that fired for this call. Valid values are: 0 = DISCONNECT 1 = LOG 2 = ALERT 3 = EMAIL 4 = PAGE 5 = SNMP 6 = PENETRATE (no longer supported) 7 = ENCRYPT (no longer supported)

ADP_POL_MOD_FILTERS

Temporary table used during dirty policy processing to store listings that have been modified for a given policy as a result of import set reconciliation.

Column	Type	Length	Comment
FILTER_OID	CHAR	32	The oid of the DIR_FILTER that was modified as a result of the modification to the specified listing.
LISTING_OID	CHAR	32	The oid of the DIR_LISTING that was modified during reconciliation.

ADP_POLICY

Contains primary attributes of a ADP policy.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
POLICY_ID	VARCHAR2	64	The string representation of the policy ID.
POLICY_NAME	VARCHAR2	30	The name of the policy.
EMERG_OID	CHAR	32	The oid of the user-assigned emergency group object.
DEFAULT_EMERG_OID	CHAR	32	The oid of the default emergency group object.
TIME_ZONE	VARCHAR2	30	The ID of the time zone where the policy is installed.
MODIFY_DATE	DATE	7	The last modification date of the policy.
MODIFY_USER	VARCHAR2	100	The user who last modified the policy.
ORIG_CREATE_DATE	DATE	7	The create date of the policy.
ORIG_CREATE_USER	VARCHAR2	100	The user who created the policy.
PARENT_ID	VARCHAR2	64	The string representation of the policy ID of the base ancestor of the policy.
POLICY_STATE	NUMBER	22	The policy state 1 = Saved 2 = Installed 3 = Historized 7 = Installed Out of Sync
STATE	CHAR	1	The state A = Active D = Deleted
INSTALL_SIZE	NUMBER	22	The computed weight of an installed policy.

ADP_POLICY_ARRAYS

Defines the mapping of an ADP policy and its associated rules.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.

TYPE	NUMBER	22	Indicates whether or not the array is enforcing the policy or not
			    0 = assigned, but not necessarily enforcing
			    1 = currently enforcing the policy

SEQUENCE	NUMBER	22	Sequence number used to enumerate the row.
RULE_OBJ_OID	CHAR	32	The oid of the span group.

ADP_POLICY_FILES

Contains the ADP policy files generated for each span group on which the policy is installed.

Column	Type	Length	Comment
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
POLICY_ID	VARCHAR2	64	The string representation of the policy ID.
ARRAY_ID	VARCHAR2	64	The string representation of the span group ID.
POLICY_FILE	BLOB	4000	The generated policy file pushed to the appliances.
GEN_DATE	DATE	7	The date the policy files was generated.

ADP_POLICY_FILTERS

The "snapshot" of the directory filters and their contents that were at the time of policy file generation.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	ID of a policy.
FILTER_OID	CHAR	32	The Object ID of a directory filter.
LISTING_OID	CHAR	32	The Object ID of a directory listing contained in the filter

ADP_POLICY_PHONE_GROUP

The "snapshot" of the directory groups that were specified at the time of policy file generation.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.

Column	Type	Length	Comment
GROUP_OID	CHAR	32	The Object ID of a directory group.

ADP_POLICY_PHONE_NUM

The local number of the specified listing in the policy file.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
LISTING_OID	CHAR	32	The Object ID of a directory listing.
COUNTRY_CODE	VARCHAR2	5	The country code of the specified listing in the policy file.
AREA_CODE	VARCHAR2	8	The area code of the specified listing in the policy file.
LOCAL_NUM	VARCHAR2	36	The "snapshot" of the directory listings as they existed at the time of policy file generation.

ADP_POLICY_RULES

Contains the span groups that are assigned and/or enforcing a ADP policy.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
RULE_NUM	NUMBER	22	The rule number.
RULE_OID	CHAR	32	Object ID uniquely identifying the rule in the policy.
VERSION	NUMBER	22	The rule version for when the policy was installed.
COMMENTS	VARCHAR2	255	the comments of the rule at the time the policy was saved.

ADP_POLICY_URI

The URIs associated with a listing that were last installed with a policy. Note that we do not store the sequence, as we do not care about order here.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	ID of a policy.
LISTING_OID	CHAR	32	The Object ID of a directory listing.
URI	VARCHAR2	255	The URI associated with the listing

ADP_POLLER_DATA

Contains the last time the poller for a given instance ran.

Column	Type	Length	Comment

TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
LAST_POLL_TIME	DATE	7	The time at which the poller last started to run.

ADP_RULE_DATA

Contains the multi-valued data values of TeleWall policy rules.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
RULE_NUM	NUMBER	22	The rule number.
DATA_TYPE	NUMBER	22	The field specifier 1 = Source 2 = Destination 3 = Call Type 4 = Time 5 = Class of Service 6 = Duration 7 = Tracking
SEQUENCE	NUMBER	22	Sequence number used to enumerate the row.
RULE_OBJ_OID	CHAR	32	The oid of the object.
OBJECT_TYPE	NUMBER	22	Specifies the type of object. Correlates to RuleObjectTypes.
OBJECT_SUBTYPE	NUMBER	22	Specifies the subtype of object. Correlates to RuleObjectSubTypes.

ADP_RULES

Contains the attributes and singular data values of ADP policy rules.

Column	Type	Length	Comment
OID	CHAR	32	Object ID uniquely identifying the rule in the policy.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
DIRECTION	NUMBER	22	The call direction 0 = Any 1 = Inbound 2 = Outbound
ACTION	NUMBER	22	The action to take when the rule fires
IMPLIED_IND	CHAR	1	Indicates whether or not the rule is an implied rule 0 = false 1 = true

DEFAULT_IND	CHAR	1	Indicates whether or not the rule is a default rule
			    0 = false
			    1 = true

DELETEABLE	CHAR	1	Indicates whether or not the rule is deleteable
			    0 = false
			    1 = true

MOVEABLE	CHAR	1	Indicates whether or not the rule can be moved within the policy
			    0 = false
			    1 = true

HIDDEN	CHAR	1	Indicates whether or not the rule is hidden in the policy rules display
			    0 = false
			    1 = true

ENABLED	CHAR	1	Indicates whether or not the rule is enabled or not (masked)
			    0 = false
			    1 = true

ENFORCEMENT	NUMBER	22	Indicates the enforcement state of the rule (applicable only when the policy is in an Installed state) 0 = the rule is enforced by all span groups assigned to the policy. 1 = the rule is enforced by only a subset of the span groups assigned to the policy. 2 = the rule is not currently enforced by any span group assigned to the policy. 3 = the rule is currently enforced by all span groups assigned to the policy, but has been changed since the last time the rule was installed. This is analogous to the INSTALLED_OUT_OF_SYNC indicator of a policy.

TYPES_NEGATED	CHAR	1	Indicates whether or not the types field is negated
			    0 = false
			    1 = true

TIMES_NEGATED	CHAR	1	Indicates whether or not the times field is negated
			    0 = false
			    1 = true

CLASS_NEGATED	CHAR	1	Indicates whether or not the class of service field is negated
			    0 = false
			    1 = true

DISPOSITIONS	NUMBER	22	Number denoting the bitwise enumeration of call dispositions.
			    0 = Any
			    1 = Terminated by Firewall
			    2 = Terminated by User
			    4 = Terminated by VPN
			    8 = Terminated by Anomaly Manager

DURATION_OP	NUMBER	22	An enumeration value that denotes the logical operator for the threshold comparison. The possible values are:
			    0 = Less than
			    1 = Greater than or equal to

THRESHOLD_OP	NUMBER	22	An enumeration value that denotes the logical operator for the threshold comparison. The possible values are: 0 = Less than 1 = Greater than or equal to
INTERVAL_OID	CHAR	32	The OID of the interval.
BILLING_POLICY_OID	CHAR	32	The OID of the billing policy.
COUNT_ACTIVE	CHAR	1	Denotes whether or not the count criteria is active. 0 = false 1 = true
COST_ACTIVE	CHAR	1	Denotes whether or not the cost criteria is active. 0 = false 1 = true
DURATION_ACTIVE	CHAR	1	Denotes whether or not the duration criteria is active. 0 = false 1 = true
COUNT	NUMBER	22	The count threshold.
COST	NUMBER	22	The cost threshold.
DURATION	NUMBER	22	The duration threshold.
MODIFY_DATE	DATE	7	The last modify date of the rule. This field is leveraged by the ADP engine to detect when the state of a rule has been modified.
STATE	CHAR	1	The state A = Active D = Deleted
VERSION	NUMBER	22	The rule version for policy file generation.

AGGREGATE_FILTER

The table acts as a register for all aggregate filters which are made up of more elemental filters.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
LEFT_FILTER_OID	CHAR	32	Object ID that identifies the first sub-filter.
LEFT_VALUE	NUMBER	22	A lookup value which identifies the column that the left filter is acted on.
RIGHT_FILTER_OID	CHAR	32	Object ID that identifies the second sub-filter.
RIGHT_VALUE	NUMBER	22	A lookup value which identifies the column that the right filter is acted on.

Column	Type	Length	Comment
CONJUNCTION	NUMBER	22	The logical conjunction joining the left and right filters (i.e., and, or). 0 = or 1 = and 2 = xor

ALL_HOLDING

This table records the calls which will be processed (either copied or deleted) in the current batch by the migrator thread.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	Object ID that uniquely identifies a call in this table.

ANNOUNCEMENT_SENSOR

Contains the configuration information for Announcement Applications. Each row represents the configuration information for a single Announcement Application. Each row will have an OID that maps to an OID in the ETM_APPLICATION table.

Column	Type	Length	Comment
SENSOR_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
RINGS_BEFORE_ANSWER	NUMBER	22	Number of rings that must be detected before call is answered.
POST_RING_ANSWER_DELAY	NUMBER	22	Millisecond time after last ring before call is answered.
POST_ANSWER_ANNOUNCEME NT_DELAY	NUMBER	22	Millisecond time after answer before announcement file is played.
POST_PICKUP_HANGUP_DELAY	NUMBER	22	Millisecond time after pickup by the attendant before call is "transferred".
RINGBACK_INTERVAL	NUMBER	22	Millisecond time of silence between playings of the ringback file.
RING_BACK_LIMIT	NUMBER	22	The number of rings to the attendant before the call is terminated as "unanswered".
DO_DELETE_IF_NO_ANSWER	CHAR	1	Boolean value indicating that recordings for calls where the announcement is played, but are ultimately not answered by the attendant, should be deleted. Valid values: "0" - false "1" - true
PLAY_ANNOUNCEMENT_CHANN EL_MASK	NUMBER	22	Channels which will be support playing of announcement

ARRAY

Contains the span group configuration. Each row represented a single span group. There may be 0 or more span groups for each ETM(R) Management Server.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.

TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
ARRAY_ID	VARCHAR2	64	A unique ID for a span group used internally by the ETM(R) Management Server.
ARRAY_NAME	VARCHAR2	50	The user defined name for the span group.
CREATE_DATE	NUMBER	22	The creation date, in milliseconds, of the span group.
RESERVED	CHAR	1	Boolean value indicating if the span group is reserved for system use. Valid values: "0" - false "1" - true
STATE	CHAR	1	The current state of the span group. Valid values: A - Initialized D - Deleted

ARRAY_CONTENTS

Maps the child spans to their owning span group.

Column	Type	Length	Comment
ARRAY_OID	CHAR	32	The unique Object ID of the owning array.
SENSOR_OID	CHAR	32	The unique Object ID of a child span.
STATE	CHAR	2	Flag to indicate the status of this contents record. "A" indicates an active row, while "D" indicates deleted.

ARRAY_FILTER

The table further defines the filter container array filter.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
IS_ANY	NUMBER	22	Whether to filter any matches or to require that all must match.

ARRAY_INT

This table stores arrays of integer values for different types of owner-objects.

Column	Type	Length	Comment
OWNER_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
INSTANCE	NUMBER	22	An index that discriminates arrays belonging to the same object.
VALUE	NUMBER	22	The array element value.

| NDX | NUMBER | 22 | The array element index. |

ARRAY_OID

This table stores arrays of Object IDs for different types of owner-objects.

Column	*Type*	*Length*	*Comment*
OWNER_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
INSTANCE	NUMBER	22	An index that discriminates arrays belonging to the same object.
VALUE_OID	CHAR	32	The array element value.
NDX	NUMBER	22	The array element index.

ARRAY_POLICIES

Maps policies to their associated span groups.

Column	*Type*	*Length*	*Comment*
ARRAY_OID	CHAR	32	The unique Object ID of an array.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
POLICY_ID	VARCHAR2	64	The unique ID of the policy that the span group is associated with.

ATTRIBUTE_RULE_OBJ

Contains the top-level definition of attribute objects.

Column	*Type*	*Length*	*Comment*
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SUBTYPE	NUMBER	22	The subtype of the attribute object 24 = Media Timeout 25 = Predefined attribute

BAMS

Contains the configuration information for the BAMS platform.

Column	*Type*	*Length*	*Comment*
BAMS_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.

SERVER_NAME	VARCHAR2	255	The InetAddress name or IP string value of the Solaris server that hosts BAMS from which CDR records will be obtained.
INET_ADDR	RAW	16	The InetAddress address of the Solaris server that hosts BAMS from which CDR records will be obtained.
PORT	NUMBER	22	The port on which to connect to the BAMS server.
BAMS_USER	VARCHAR2	50	The username to use as login credentials to the BAMS server.
BAMS_PASS	VARCHAR2	512	The hashed password to use as login credentials to the BAMS server.
DELAY	NUMBER	22	A delay period in which the poller will delay prior to first starting on initialization.
PERIOD	NUMBER	22	The polling interval.

BAMS_PGW

Contains the configuration information for a PGW.

Column	Type	Length	Comment
BAMS_PGW_OID	VARCHAR2	32	Object ID that uniquely identifies a row in this table
MAC_ADDRESS	CHAR	12	AMAC address for the BAMS, used to identify calls.
PGW_ID	NUMBER	22	Identifier for a PGW.
DIRECTORY	VARCHAR2	240	The associated directory for the PGW on the BAMS.
LOCAL_DIRECTORY	VARCHAR2	240	Target directory where files obtained from BAMS will be stored locally.
TRUNK_FILTER	NUMBER	22	Reserved for future use.

BAMS_PGW_INC_TRUNKS

Contains trunk definition for trunks that will be processed.

Column	Type	Length	Comment
BAMS_PGW_OID	VARCHAR2	32	Object ID that uniquely identifies a row in this table
TRUNK	VARCHAR2	50	The name of the trunk.
TRUNK_TYPE	NUMBER	22	Enumerated value that designates trunk type: "0" - Service Provider "1" - Enterprise owned, local to PGW "2" - Enterprise owned, remote to PGW
COMMENTS	VARCHAR2	255	User description of the trunk.

BAMS_PGW_NUM_EXP

Defines an algorithm that can be used convert an extension processed in a CDR record in the CDR file to a normalized phone number.

Column	Type	Length	Comment
BAMS_PGW_OID	VARCHAR2	32	Object ID that uniquely identifies a row in this table
REPLACE_DIGITS	VARCHAR2	20	The string for which to search.
REPLACE_WITH	VARCHAR2	20	String to add to the phone number.
USE_NUM_DIGITS	CHAR	1	Boolean value indicating if we should match on the number of digits in the phone number. Valid values: "0" - false "1" - true
NUM_DIGITS	NUMBER	22	integer indicating the number of digits to match
AREA_CODE	VARCHAR2	8	Area code to use for the phone number.
COUNTRY_CODE	VARCHAR2	5	Country code to use for the phone number.

BILLING_POLICY

This table stores the billing policy objects.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
NAME	VARCHAR2	100	The name of this object.
ACOMMENT	VARCHAR2	255	The comment for this object.

BILLING_POLICY_RULE

This table defines the billing policy rules for cost determination.

Column	Type	Length	Comment
BILLING_POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
CALL_CLASS_ID	VARCHAR2	64	The identifer of the associated call class object.
METHOD	NUMBER	22	The rounding method. 0 = none 1 = round 2 = round up 3 = round down

Column	Type	Length	Comment
ROUND_TO	NUMBER	22	The number of seconds that the duration should be rounded to.
LONG_DURATION	NUMBER	22	Whether the duration is long or short, i.e. computed on start_time or connect_time. 0 = answered (short) duration 1 = off hook (long) duration
RATE	NUMBER	22	The cost per minute.

BILLING_RULE

This table defines the billing rules for cost determination.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
LABEL	VARCHAR2	255	The dialing policy call label.
METHOD	NUMBER	22	The rounding method. 0 = none 1 = round 2 = round up 3 = round down
ROUND_TO	NUMBER	22	The number of seconds that the duration should be rounded to.
LONG_DURATION	NUMBER	22	Whether the duration is long or short, i.e. computed on start_time or connect_time. 0 = off hook duration 1 = answered duration
RATE	NUMBER	22	The cost per second.

BOX_CONTENTS

Maps an Appliance object to its child ETM Applications by way of the applications MAC Address. Each row represents a single Appliance Object to ETM Application association. 0 or more rows may exist for each Appliance Object defined in the system and 0 or more rows may exist for each ETM(R) Management Server application.

Column	Type	Length	Comment
BOX_OID	CHAR	32	The Object ID for an Appliance object.
CARD_MAC_ADDR	CHAR	12	The MAC Address of an ETM Application associated with an Appliance object.

CALL

This table stores completed call data AFTER it has been moved from the ACTIVE_CALL table by the migrator.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	Object ID that uniquely identifies a row in this table.

TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
SENSOR_OID	VARCHAR2	32	Object Identifier that maps to the appliance that monitored this call.
CHANNEL	NUMBER	22	The channel on which this call occurred.
END_TIME	DATE	7	The end time of the call.
DIRECTION	NUMBER	22	Integer to indicate whether the call was inbound or outbound. Valid values: "0" - Inbound "1" - Outbound
CALLER_ID	VARCHAR2	255	The Caller ID as read from the line.
SOURCE	VARCHAR2	255	Formatted Source Telephone Number.
DESTINATION	VARCHAR2	255	Formatted Destination Telephone Number.
RAW_DEST	VARCHAR2	255	The raw destination digits (no formatting).
PREFIX	VARCHAR2	42	Vertical Service Codes or any other digits before the destination was dialed.
SUFFIX	VARCHAR2	88	Digits trailing the phone number. Referred to as mid-call digits.
SMDR_1	VARCHAR2	50	column used to store SMDR Data retrieved from SMDR Provider.
SMDR_2	VARCHAR2	50	column used to store SMDR Data retrieved from SMDR Provider.
SMDR_3	VARCHAR2	50	column used to store SMDR Data retrieved from SMDR Provider.
CALL_FLAGS	VARCHAR2	60	Call Details as defined in dialing plan.
SRC_FLAGS	VARCHAR2	60	Source Details as defined in dialing plan.
DEST_FLAGS	VARCHAR2	60	Destination Details as defined in dialing plan.
START_TIME	DATE	7	The start time of the call - different than connect time.
LOCAL_OFFSET	NUMBER	22	This is the number of minutes difference between the local time of the network and GMT at the instance the call occurred.
SMDR_ACCESS_CODE	VARCHAR2	255	The authorization number for this call provided by smdr.
START_MILLIS	NUMBER	22	The subsecond part of the call start time

CALL_ADJUNCT

This table stores completed call data (in additional to the data in the call table) AFTER it has been moved from the ACTIVE_CALL_ADJUNCT table by the migrator.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	Object ID of the call that uniquely identifies a row in this table.
CONNECT_TIME	DATE	7	The connect time of the call. Will be null for unanswered and busy calls.
NUM_TYPES	NUMBER	22	The number of times the call changes types.
TYPES	NUMBER	22	The type(s) for this call. The field is stored as a bitwise enumeration and therefore the values listed below are actually the right-oriented bit-positions. Valid values are: 0 = FAX 1 = MODEM 2 = VOICE 3 = UNKNOWN 4 = STU_DATA (no longer supported) 5 = STU_VOICE (no longer supported) 6 = STU_UNK 7 = BUSY 8 = UNANSWERED 9 = WIDE_BAND 10 = WIDE_BAND_VIDEO 11 = OFF_HOOK 12 = MODEM_ENERGY
ACTIONS	NUMBER	22	The track(s) that fired for this call by the Firewall policy. The field is stored as a bitwise enumeration and therefore the values listed below are actually the right-oriented bit-positions. Valid values are: 0 = DISCONNECT (no longer supported) 1 = LOG 2 = ALERT 3 = EMAIL 4 = PAGE 5 = SNMP 6 = PENETRATE (no longer supported) 7 = ENCRYPT (no longer supported)
VPN_ACTIONS	NUMBER	22	The track(s) that fired for this call by the VPN policy. The field is stored as a bitwise enumeration and therefore the values listed below are actually the right-oriented bit-positions. Valid values are: 0 = DISCONNECT (no longer supported) 1 = LOG 2 = ALERT 3 = EMAIL 4 = PAGE 5 = SNMP 6 = PENETRATE (no longer supported) 7 = ENCRYPT (no longer supported)

CALL_CCMI

This table stores the key correlations between the call table and the ccmi_data table.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	This row can be mapped to the call table using this column.

TERM	CHAR	1	Identifies the row as matching either the source or destination number.
			Valid values are:
			   S = source
			   D = destination

COUNTRY_CODE	VARCHAR2	3	The country code of the ccmi_data key.
AREA_CITY_CODE	VARCHAR2	57	The area/city code of the ccmi_data key.

CALL_CLASS_FILTER

This table represents the definition of a filter over call classes; either a substring or a collection of defined call class objects.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TYPE	NUMBER	22	Whether to filter by substring or collection of call class objects.

CALL_CLASS_GROUP

Contains the members of an Call Class Group.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SEQUENCE	NUMBER	22	Sequence number used to enumerate the row
MEM_OID	VARCHAR2	64	The OID of an Call Class object contained in the group
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Data Instance.
RULE_OBJ_ID	VARCHAR2	64	The string representation of the Call Class object ID contained in the group

CALL_CLASS_RULE_OBJ

Contains the top-level definition of Call Class objects and groups.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.

SUBTYPE	NUMBER	22	The subtype of the Call Class object 22 = Call Class 23 = Call Class Group

CALL_CLASS_VAL_RULE_OBJ

Contains the configuration information for specific Call Class objects. 0 or more rows will exist for each ETM(R) Management Server application and a single row will exist for each Call Class object defined.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
CALL_DETAILS_STRING	VARCHAR2	20	The call detail string for the call class.

CALL_TO_AAA_USER

Archival table that maps a call to the AAA Service User who authorized the call. This table is only written to during migration of data from the active_call_to_aaa_user.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	Object identifier that maps to a call in the CALL table by way of the CALL.call_oid column.
USER_OID	CHAR	32	Object identifier that maps to an AAA Service User in the rule object tables by way of the OID columns. See the rule_obj and aaa_user_val_rule_obj tables.

CALL_TO_VOIP

The details for each stream associated with a voip call in the database. There will be one or more row for each call in the call table where traffic is observed by the span.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	OID matching this row to a row in the call table
STREAM_ID	NUMBER	22	The ID of the stream as reported by the span.
BEGIN_OFFSET	NUMBER	22	An start offset time for the stream, in milliseconds from the beginning of the call
END_OFFSET	NUMBER	22	An end offset time for the stream, in milliseconds from the beginning of the call
SOURCE_IP	RAW	16	This is the media originator
SOURCE_PORT	NUMBER	22	The port used by the source of the stream
DEST_IP	RAW	16	This is the media recipient
DEST_PORT	NUMBER	22	The port used by the destination of the stream
DIRECTION	NUMBER	22	This indicates the direction of the traffic the remaining columns refer to

CODEC_TYPE	NUMBER	22	The codec used for the stream, in this direction, as defined by IETF RFC 1890
CODEC_NAME	VARCHAR2	255	The name of the codec used
CODEC_RATE	NUMBER	22	The rate used by this codec
CODEC_CHANNELS	NUMBER	22	The number of channels used by the codec
BYTES	NUMBER	22	The number of bytes transferred over the course of the stream
PACKETS	NUMBER	22	The number of packets transferred over the course of the stream
PACKETS_LOST	NUMBER	22	The number of packets lost over the course of the stream
JITTER	NUMBER	22	The jitter measured over the course of the stream
LATENCY	NUMBER	22	The latency measured over the course of the stream
SEQUENCE	NUMBER	22	Sequence number used to enumerate the row.

CCMI_A

The table maintains various regional data about telephone numbers.

Column	Type	Length	Comment
COUNTRY_CODE	VARCHAR2	3	The country code for a telephone number.
AREA_CITY_CODE	VARCHAR2	57	The area/city code for a telephone number.
LOCALE	NUMBER	22	The lookup number for the locale of a phone number.
METRO	NUMBER	22	The lookup number for the metro area nearest the locale of a phone number.
STATE_PROVINCE	NUMBER	22	The lookup number for the state/province of a phone number.
COUNTRY	NUMBER	22	The lookup number for the country of a phone number.
WORLD_ZONE	NUMBER	22	The lookup number for the world zone of a phone number.
RATING_AREA	NUMBER	22	The lookup number for the rating area of a phone number.
EXCHANGE_TYPE	NUMBER	22	The lookup number for the exchange type of a phone number.

CCMI_B

The table maintains various regional data about telephone numbers.

Column	Type	Length	Comment
COUNTRY_CODE	VARCHAR2	3	The country code for a telephone number.

Column	Type	Length	Comment
AREA_CITY_CODE	VARCHAR2	57	The area/city code for a telephone number.
LOCALE	NUMBER	22	The lookup number for the locale of a phone number.
METRO	NUMBER	22	The lookup number for the metro area nearest the locale of a phone number.
STATE_PROVINCE	NUMBER	22	The lookup number for the state/province of a phone number.
COUNTRY	NUMBER	22	The lookup number for the country of a phone number.
WORLD_ZONE	NUMBER	22	The lookup number for the world zone of a phone number.
RATING_AREA	NUMBER	22	The lookup number for the rating area of a phone number.
EXCHANGE_TYPE	NUMBER	22	The lookup number for the exchange type of a phone number.

CDR_IMPORT_TRUNK

Contains the configuration information for the CDR IMPORT TRUNK platform.

Column	Type	Length	Comment
CDR_TRUNK_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
MAC_ADDRESS	CHAR	12	MAC address for the cdr import trunk. This will be the fake MAC address for the cdr import platform.
CDR_TRUNK_ID	NUMBER	22	This is the span id for the trunk. It will be populated by a database sequence.
TRUNK_VALUE	VARCHAR2	255	The trunk value to be used in the SMDR1 and SMDR2 fields for the ACTIVE_CALL table.
DIRECTORY	VARCHAR2	255	The directory on the server where the CDR files are located.
PARSE_FILE	VARCHAR2	255	The path to the parse file to be used to parse the CDR data.
TIME_ZONE	VARCHAR2	30	The ID of the time zone where the switch resides.
DATE_FORMAT	VARCHAR2	30	The date format used for the date offset record
DATE_OFFSET	NUMBER	22	The date offset used for updating the date in Avaya cdr files.
DELAY	NUMBER	22	A delay period in which the poller will delay prior to first starting on initialization.
PERIOD	NUMBER	22	The polling interval.

CHANNEL

Configuration attributes specific to a channel.

Column	Type	Length	Comment
SENSOR_OID	CHAR	32	The oid of the sensor containing this channel. This can be used to retrieve the sensor from the sensor table.
CHANNEL_NUM	NUMBER	22	The index of this channel.
TRUNK_GROUP	VARCHAR2	20	The user-defined Trunk Group.
PHONE_NUMBER	VARCHAR2	55	The user-defined phone number associated with this channel.
MONITORED	CHAR	1	Boolean to determine if the ETM System should monitor this channel.
SMDR_REQUEST	NUMBER	22	The behavior of SMDR for this channel: 0 = OFF 1 = ON 2 = AUGMENT 3 = REPLACE
SIGNAL_TYPE	NUMBER	22	The signal type of this channel: 0 = NOT_SET 1 = WINK 2 = GROUND 3 = LOOP 4 = IMMEDIATE 5 = GROUND_START_SAS 6 = LOOP_START_SAS 7 = ISDN_PRI 8 = WINK_IN_IMMEDIATE_OUT 9 = IMMEDIATE_IN_WINK_OUT
TONE_TYPE	NUMBER	22	The tone type of this channel: 0 = DTMF 1 = MF
INCOMING_FMT	VARCHAR2	50	The incoming framing format of this channel.
OUTGOING_FMT	VARCHAR2	50	The outbound framing format of this channel.
FMT_PRECEDENCE	VARCHAR2	50	The format precedence of this channel.
COMPANDING_ENUM	NUMBER	22	The companding type of this channel: 0 = MU-LAW 1 = A-LAW
CALLER_ID	NUMBER	22	The caller id setting of this channel: 0 = OFF 1 = Bellcore 2 = ETSI 3 = UK BT 4 = NTT

INBOUND_SMDR_REQUEST	NUMBER	22	The behavior of inbound SMDR for this channel: 0 = OFF 1 = ON

CID_RULE_OBJ

Specifies a Caller ID object which can be used in the Source field of a TeleWall policy.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TYPE	CHAR	1	The type (currently, only value is R)
STRINGVAL	VARCHAR2	20	the string value (currently, always null

CLASS_ID_MAP

Contains information required to generate unique Object ID values for each type of object stored in the database.

Column	Type	Length	Comment
INSTANCE_ID	NUMBER	22	The integer id value of the instance to which each row belongs.
CLASS_NAME	VARCHAR2	255	The name of an object class that will be stored in the database.
CLASS_ID	NUMBER	22	The integer value to use when constructing a unique object id value.

COLLECTION_SERVER

Contains the configuration information for Collection Servers. Each row represents the configuration information for a single Collection Server. Each row will have an oid that maps to an oid in the ETM_APPLICATION table.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.

CONTACT_RULE_OBJ

Contains the top-level definition of contact object groups.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SUBTYPE	NUMBER	22	The subtype of the contact 2 = Contact 4 = Contact group

CONTACT_RULE_OBJ_GROUP

Contains the members of contact groups.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SEQUENCE	NUMBER	22	Sequence number used to enumerate the row
MEM_OID	VARCHAR2	64	The OID of the contact object contained in the group
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Data Instance.
RULE_OBJ_ID	VARCHAR2	64	The string representation of the contact object ID contained in the group

CONTACT_VAL_RULE_OBJ

Contains the attributes of an individual contact object.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
EMAIL	VARCHAR2	255	The email address

COPIED

This table records the calls which have been copied from the active call area to the archive area, and have not yet been deleted from the active call area.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	Object ID that uniquely identifies a call in this table.

CR_SENSOR

Contains the configuration information for Call Recording appliance. Each row represents the configuration information for a single application. Each row will have an OID that maps to an OID in the SENSOR table.

Column	Type	Length	Comment
SENSOR_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
RECORDING_ENABLED	CHAR	1	Boolean value indicating if recording is enabled. Valid values: "0" - false "1" - true
CRC_IP	RAW	16	The IP Address of the Call Recording Cache.
CRC_PORT	NUMBER	22	The port on the Call Recording Cache.

MAX_RECORDING_LENGTH	NUMBER	22	Maximum length for each recording.
REC_INBOUND_CHANNEL_MASK		NUMBER	22Channels which will be support recording inbound calls
REC_OUTBOUND_CHANNEL_MASK	NUMBER	22	Channels which will be support recording outbound calls
USE_INBOUND_SMDR	CHAR	1	Boolean value indicating if Inbound SMDR should be used.\ Valid values: "0" - false (null defaults to false) "1" - true
USE_OUTBOUND_SMDR	CHAR	1	Boolean value indicating if Inbound SMDR should be used.\ Valid values: "0" - false (null defaults to false) "1" - true

CRC_APPLICATION

Contains the configuration information for CRC Applications. Each row represents the configuration information for a single CRC Application. Each row will have an oid that maps to an oid in the ETM_APPLICATION table.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
SERVER_PORT	NUMBER	22	The port on which to listen for connections appliances.
COLL_SERVER_ENABLE	CHAR	1	Boolean indicate if use of a collection server is enabled.
COLL_SERVER_IP	RAW	16	The IP Address of the collection server to upload files to.
COLL_SERVER_PORT	NUMBER	22	The port on which the hardware should connect to the collection server.
DAYS_SPEC_IND	NUMBER	22	Indicates if the time window is specified in days of the week or days of the month 1 = Days of the month 2 = Days of the week
MIN_FREE_DISK	NUMBER	22	The amount of disk space (in KBytes) reserved for recordings. The range is between 1 and 1000000 (1KB-1TB).
COLL_SERVER_ENCRYPT	NUMBER	22	Level of encryption between the collection server and local cache: Valid values: 0 - Unencrypted 1 - Single-DES Encryption 2 - Triple-DES Encryption
COLL_SERVER_DES_KEY	VARCHAR2	255	Encryption key to use for encrypting communications with collection server.
INBOUND_THRESH	NUMBER	22	The inbound recording threshold percentage. If null, then call recording detector warning is not enabled for inbound.

OUTBOUND_THRESH	NUMBER	22	The outbound recording threshold percentage. If null, then call recording detector warning is not enabled for

CRC_DAYS_IN_MONTH

Contains the days of a month specification of the upload time of the call recording cache configuration.

Column	Type	Length	Comment
CRC_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SEQUENCE	NUMBER	22	Sequence number used to enumerate the row
MONTH	NUMBER	22	The month (0-11)
DAY	NUMBER	22	The day of the month

CRC_DAYS_IN_WEEK

Contains the days of the week specification of the upload time of the call recording cache configuration.

Column	Type	Length	Comment
CRC_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SEQUENCE	NUMBER	22	Sequence number used to enumerate the row
DAY	NUMBER	22	The day of the week (0 = Monday, 1 = Tuesday, ..., 6 = Sunday)

CRC_IPS

Contains the list of IP Addresses for spans that are allowed to communicate with caching appliance. 0 or more rows will exist for each application.

Column	Type	Length	Comment
CRC_OID	CHAR	32	Object ID that corresponds to a local cache service by way of the oid column in the REC_CACHE_SERVICE table.
INET_ADDR	RAW	16	The IP address of an appliance that is allowed to communicate with the cache.

CRC_TIME_OF_DAY

Contains the time ranges specified in the upload time of the call recording cache configuration.

Column	Type	Length	Comment
CRC_OID	CHAR	32	Object ID that corresponds to a local cache service by way of the oid column in the REC_CACHE_SERVICE table.
SEQUENCE	NUMBER	22	sequence number used to enumerate the row
FROM_TIME	VARCHAR2	5	The lower bound of the time range

| TO_TIME | VARCHAR2 | 5 | The upper bound of the time range |

DATE_FILTER

This table represents the definition of a filter over dates; either an anonymous date range, or a collection of defined time objects.

Column	*Type*	*Length*	*Comment*
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
FROM_DATE	DATE	7	The beginning of the date range.
TO_DATE	DATE	7	The ending of the date range.
TYPE	NUMBER	22	Whether to filter by range or collection.

DAYS_IN_MONTH

Contains the days of a month specification for a given time object.

Column	*Type*	*Length*	*Comment*
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SEQUENCE	NUMBER	22	Sequence number used to enumerate the row
MONTH	NUMBER	22	The month (0-11)
DAY	NUMBER	22	The day of the month

DAYS_IN_WEEK

Contains the days of the week specification for a given time object.

Column	*Type*	*Length*	*Comment*
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SEQUENCE	NUMBER	22	Sequence number used to enumerate the row
DAY	NUMBER	22	The day of the week (0 = Monday, 1 = Tuesday, ..., 6 = Sunday)

DB_DIAGNOSTICS

Contains diagnostic messages originating from database procedures that should be propagated through the management server logging system.

Column	*Type*	*Length*	*Comment*
LOG_ID	NUMBER	22	A unique identifier for rows in the table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.

EVENT_TYPE	NUMBER	22	The type of event that occurred.
EVENT_TIME	DATE	7	The date and time at which the event actually occurred.
EVENT_SUBTYPE	VARCHAR2	50	The string representation of the subtype for the event.
EVENT_SOURCE	NUMBER	22	A numeric lookup value for the source-class of the event.
DESCRIPTION	VARCHAR2	150	The description of the event.

DB_VERSION

Column	Type	Length	Comment
CURRENT_VERSION	NUMBER	22	

DIAGNOSTICS

Contains archived diagnostic log message for various system events. 0 or more rows may exist for an ETM(R) Management Server.

Column	Type	Length	Comment
OID	NUMBER	22	Name that uniquely identifies the row.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
LOG_TIME	DATE	7	The date and time at which the ETM(R) Management Server received the diagnostic message.
EVENT_TYPE	NUMBER	22	The type of event that occurred. Valid types: 0 - Internal 1 - Security 2 - Panic 3 - Error 4 - Warning 5 - Start/Stop 6 - Debug 7 - Info 8 - Telco 9 - Policy 10 - Scan
EVENT_TIME	DATE	7	The date and time at which the event actually occurred.
EVENT_SUBTYPE	VARCHAR2	50	The string representation of the subtype for the event.
EVENT_SOURCE	NUMBER	22	A numeric lookup value for the source-class of the event.
DESCRIPTION	VARCHAR2	150	The description of the event.

DIR_DOMAIN_WILDCARD

Contains directory phone wildcard entries. Each row represents a single Directory Domain Wildcard object. The rest of the object is stored in the dir_wildcard table.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
DOMAIN	VARCHAR2	255	The country code for the directory wildcard.

DIR_EXT_IMP_LISTINGS

Contains import listing entries. Each row represents a single record that was read in from the import file.

Column	Type	Length	Comment
OID	NUMBER	22	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
IMPORT_SET_OID	VARCHAR2	32	The OID of the import set to which the listing belongs.
EXT_KEY1	VARCHAR2	40	The first part of the unique identifier from the external data source. This maps to ext_key1 in dir_ext_imp_set_key.
EXT_KEY2	VARCHAR2	40	The first part of the unique identifier from the external data source. This maps to ext_key1 in dir_ext_imp_set_key.
LAST_NAME	VARCHAR2	50	The last name of the person to which the listing pertains.
FIRST_NAME	VARCHAR2	50	The first name of the person to which the listing pertains.
COUNTRY_CODE	VARCHAR2	5	The Country Code of the phone number.
AREA_CODE	VARCHAR2	8	The area code of the phone number.
LOCAL_NUM	VARCHAR2	36	The local number portion of the phone number.
EXT_TYPE	NUMBER	22	The bit flag combination of types of extensions for the phone number. Valid types: 0 - UNSPECIFIED 1 - DATA 2 - FAX 4 - MODEM 8 - STU 16 - VOICE
SITE	VARCHAR2	100	The site to which this listing belongs.
DEPT	VARCHAR2	100	The department to which the listing belongs.
LOCATION	VARCHAR2	100	The location of the listings termination point.
AUTH_NO	VARCHAR2	100	The authorization number for the listing.

EMAIL	VARCHAR2	100	The email address of the person to which the listing pertains.
MAIL_CODE	VARCHAR2	100	The mail code number for the listing.
COMMENTS	VARCHAR2	255	User comments for the listing.
USER1	VARCHAR2	100	A user definable field.
USER2	VARCHAR2	100	A user definable field.
USER3	VARCHAR2	100	A user definable field.
URI1	VARCHAR2	255	VoIP URI 1 of (up to) 5
URI2	VARCHAR2	255	VoIP URI 2 of (up to) 5
URI3	VARCHAR2	255	VoIP URI 3 of (up to) 5
URI4	VARCHAR2	255	VoIP URI 4 of (up to) 5
URI5	VARCHAR2	255	VoIP URI 5 of (up to) 5

DIR_EXT_IMP_SET_KEY

This table associates the unique identifier from an external source and the OID of the corresponding row in DIR_LISTING.

Column	Type	Length	Comment
EXT_KEY1	VARCHAR2	40	The first part of the unique identifier from the external data source. This maps to ext_key1 in dir_ext_imp_set_key.
EXT_KEY2	VARCHAR2	40	The first part of the unique identifier from the external data source. This maps to ext_key1 in dir_ext_imp_set_key.
IMPORT_SET_OID	CHAR	32	The OID of the import set that this row is associated with.
DIR_LIST_OID	CHAR	32	The OID of the correlated listing in DIR_LISTING.

DIR_EXT_IMP_SET_MAPPING

This table defines the mapping of directory listing field to the corresponding field of the external directory source during import set reconciliation.

Column	Type	Length	Comment
IMPORT_SET_OID	CHAR	32	The OID of the import set that this row is associated with.
DIR_FIELD	NUMBER	22	ADirectoryListingFieldEnum value that defines which directory listing value this row represents.
SEQUENCE	NUMBER	22	Denotes the sequential order that this field is listed in the ordered list of the export file.
EXT_DIR_FIELD	VARCHAR2	100	The identifier or field name of the external directory attribute that maps to the corresponding directory listing field.

DIR_FILTER

Contains directory filter entries. Each row represents a single Directory Filter object.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
NAME	VARCHAR2	50	The name of the directory filter.
COMMENTS	VARCHAR2	255	User comments for the directory filter.
FILTER_OID	CHAR	32	Object ID that identifies a filter object.
POLICY_EDIT	CHAR	1	Boolean value indicating if a user requires the manage policies permission to edit the directory filter. Valid values: "0" - false "1" - true
READ_ONLY	CHAR	1	Boolean value indicating that the directory filter is not editable by users. Valid values: "0" - false "1" - true
IMPORT_SET_OID	CHAR	32	The OID of the import set to which the directory filter belongs.
MODIFY_DATE	DATE	7	The last modification date of the directory filter.
MODIFY_USER	VARCHAR2	100	The name of the last user to edit the directory filter.
CREATE_DATE	DATE	7	The creation data of the directory filter.
CREATE_USER	VARCHAR2	100	The name of the user who created the directory filter.

DIR_GROUP

Contains directory group entries. Each row represents a single Directory Group object.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
NAME	VARCHAR2	50	The name of the directory group.
COMMENTS	VARCHAR2	255	User comments for the directory group.

POLICY_EDIT	CHAR	1	Boolean value indicating if a user requires the manage policies permission to edit the directory group.
			Valid values:
			    "0" - false
			    "1" - true

READ_ONLY	CHAR	1	Boolean value indicating that the directory group is not editable by users.
			Valid values:
			    "0" - false
			    "1" - true

EMERGENCY	CHAR	1	Boolean value indicating that the directory group is an emergency group.
			Valid values:
			    "0" - false
			    "1" - true

IMPORT_SET_OID	CHAR	32	The OID of the import set to which the directory group belongs.
MODIFY_DATE	DATE	7	The last modification date of the directory group.
MODIFY_USER	VARCHAR2	100	The name of the last user to edit the directory group.
CREATE_DATE	DATE	7	The creation data of the directory group.
CREATE_USER	VARCHAR2	100	The name of the user who created the directory group.

DIR_GROUP_CONTENTS

Maps Directory Groups to their members.

Column	*Type*	*Length*	*Comment*
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SEQUENCE	NUMBER	22	The order in which a member appears in a directory group.
MEM_OID	CHAR	32	The OID of the member of the group.

DIR_LIST_URI

A list of VoIP URIs. Each are mapped back to dir_listing via the oid column. Sequence is the order in which the user defined the URIs.

Column	*Type*	*Length*	*Comment*
OID	CHAR	32	Object ID that uniquely identifies a directory listing
SEQUENCE	NUMBER	22	The order in which a uri appears in a listing.
URI	VARCHAR2	255	A VoIP URI for a single dir_listing.

DIR_LISTING

Contains directory listing entries. Each row represents a single Directory Listing object.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
IMPORT_SET_OID	VARCHAR2	32	The OID of the import set to which the listing belongs.
LAST_NAME	VARCHAR2	50	The last name of the person to which the listing pertains.
FIRST_NAME	VARCHAR2	50	The first name of the person to which the listing pertains.
COUNTRY_CODE	VARCHAR2	5	The Country Code of the phone number.
AREA_CODE	VARCHAR2	8	The area code of the phone number.
LOCAL_NUM	VARCHAR2	36	The local number portion of the phone number.

EXT_TYPE	NUMBER	22	The bit flag combination of types of extensions for the phone number.
			Valid types:
			    0 - UNSPECIFIED
			    1 - DATA
			    2 - FAX
			    4 - MODEM
			    8 - STU
			    16 - VOICE

SITE	VARCHAR2	100	The site to which this listing belongs.
DEPT	VARCHAR2	100	The department to which the listing belongs.
LOCATION	VARCHAR2	100	The location of the listings termination point.
AUTH_NO	VARCHAR2	100	The authorization number for the listing.
EMAIL	VARCHAR2	100	The email address of the person to which the listing pertains.
MAIL_CODE	VARCHAR2	100	The mail code number for the listing.
COMMENTS	VARCHAR2	255	User comments for the listing.

POLICY_EDIT	CHAR	1	Boolean value indicating if a user requires the manage policies permission to edit the listing.
			Valid values:
			    "0" - false
			    "1" - true

READ_ONLY	CHAR	1	Boolean value indicating that the listing is not editable by users.
			Valid values:
			   "0" - false
			   "1" - true

MODIFY_DATE	DATE	7	The last modification date of the listing.
MODIFY_USER	VARCHAR2	100	The name of the last user to edit the listing.
CREATE_DATE	DATE	7	The creation date of the listing.
CREATE_USER	VARCHAR2	100	The name of the user who created the listing.
USER1	VARCHAR2	100	A user definable field.
USER2	VARCHAR2	100	A user definable field.
USER3	VARCHAR2	100	A user definable field.

DIR_PHONE_WILDCARD

Contains directory phone wildcard entries. Each row represents a single Directory Phone Wildcard object.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
COUNTRY_CODE	VARCHAR2	5	The country code for the directory wildcard.
AREA_CODE	VARCHAR2	8	The area code for the directory wildcard.
LOCAL_NUM	VARCHAR2	36	The local number of the directory wildcard.

DIR_RANGE

Contains directory range entries. Each row represents a single Directory Range object.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
NAME	VARCHAR2	50	The name of the directory range.
COMMENTS	VARCHAR2	255	User comments for the directory range.
COUNTRY_CODE	VARCHAR2	5	The country code for the directory range.
AREA_CODE	VARCHAR2	8	The area code for the directory range.
FROM_NUM	VARCHAR2	36	The starting number of the directory range.
TO_NUM	VARCHAR2	36	The ending number of the directory range.

Column	Type	Length	Comment

POLICY_EDIT	CHAR	1	Boolean value indicating if a user requires the manage policies permission to edit the directory range.
			Valid values:
			    "0" - false
			    "1" - true

READ_ONLY	CHAR	1	Boolean value indicating that the directory range is not editable by users.
			Valid values:
			    "0" - false
			    "1" - true

IMPORT_SET_OID	CHAR	32	The OID of the import set to which the directory range belongs.
MODIFY_DATE	DATE	7	The last modification date of the directory range.
MODIFY_USER	VARCHAR2	100	The name of the last user to modify the directory range.
CREATE_DATE	DATE	7	The creation date of the directory range.
CREATE_USER	VARCHAR2	100	The name of the user who created the directory range.

DIR_WILDCARD

Contains directory wildcard entries. Each row represents a single Abstract Directory Wildcard object.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
NAME	VARCHAR2	50	The name of the directory wildcard.
COMMENTS	VARCHAR2	255	User comments for the directory wildcard.

POLICY_EDIT	CHAR	1	Boolean value indicating if a user requires the manage policies permission to edit the directory wildcard.
			Valid values:
			    "0" - false
			    "1" - true

READ_ONLY	CHAR	1	Boolean value indicating that the directory wildcard is not editable by users.
			Valid values:
			    "0" - false
			    "1" - true

IMPORT_SET_OID	CHAR	32	The OID of the import set to which the directory wildcard belongs.
MODIFY_DATE	DATE	7	The last modification date of the directory wildcard.
MODIFY_USER	VARCHAR2	100	The name of the last user to modify the directory wildcard.
CREATE_DATE	DATE	7	The creation date of the directory wildcard.

Column	Type	Length	Comment
CREATE_USER	VARCHAR2	100	The name of the user who created the directory wildcard.

DURATION_CONFIG

This table defines the configurable options of the duration field.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TYPE	NUMBER	22	The presentation type: 0 = time 1 = decimal
BASIS	NUMBER	22	The presentation basis: 0 = day 1 = hour 2 = minute 3 = second
LENGTH	NUMBER	22	The computation definition: 0 = short (answered) 1 = long (off-hook)

DURATION_FILTER

This table represents the definition of a filter over a duration.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
FROM_DURATION	DATE	7	The beginning of the range.
TO_DURATION	DATE	7	The ending of the range.

DURATION_RULE_OBJ

Specifies a duration which can be used in the Call Duration field of a TeleWall policy.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
HOURS	NUMBER	22	The number of hours
MINUTES	NUMBER	22	The number of minutes

ELEMENT_CHART

This table stores the attributes of chart for a report element.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.

Column	Type	Length	Comment
NATURAL_ORDER	NUMBER	22	Whether the data items in the chart are displayed in natural order (i.e. depth first) or order by group (i.e. breadth first).
TOTAL_NDX	NUMBER	22	The index in the data items for displaying the grand total value.
GRAPH_OID	CHAR	32	Object ID that identifies the graph properties.

ELEMENT_COL_HDRS

This table stores arrays of Object IDs for different types of owner-objects.

Column	Type	Length	Comment
OWNER_OID	CHAR	32	Object ID that denotes the owner. The OID may specify that of a user or that of an element.
TYPE	NUMBER	22	An index that discriminates the log item type that the column value belongs. 0 = Call field 1 = Diagnostic field 2 = IPS field.
ENUM_VAL	NUMBER	22	The enumeration value.
HEADER_LABEL	VARCHAR2	255	The label to be used for display, null if the header should be left blank .

ELEMENT_DEFINITION

This table stores the definitions of report elements.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TABLE_ID	NUMBER	22	The type of element (call, utilization, diagnostic).
FILTER_OID	CHAR	32	Object ID that identifies a filter object.
DETAIL_ONLY	NUMBER	22	Whether the element only displays detail information.
SUMMARY_ONLY	NUMBER	22	Whether the element only displays summary information.
HIDE_DATA_TABLE	NUMBER	22	Whether the data table is displayed.
TABLE_FIT	NUMBER	22	The style to display the data table (equal width, fit content, fit page).
PN_OPTIONS	NUMBER	22	The phone number display options (number only, name only, both number and name, either number or name).
TABLE_ROW_STYLE	NUMBER	22	Whether header rows are displayed.
TABLE_COL_STYLE	NUMBER	22	Whether summary columns are displayed.

PROPERTIES_OID	CHAR	32	Object ID that identifies the field properties for this element.
SMART_AGGS	NUMBER	22	Whether the element suppresses the displays of redundant summary information.

ELEMENT_TREND

This table stores the attributes of trend for a report element.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TREND_AXIS	NUMBER	22	Index indicating which group function is the x axis of the graph.
NUM_PROJECTIONS	NUMBER	22	The number of points to interpolate.
GRAPH_OID	CHAR	32	Object ID that identifies the trend graph properties.
CAG_OID	CHAR	32	Object ID that identifies the collective aggregation graph properties.

EMAIL_CONFIG

Contains email server information to be used when sending emails from the management server. A single row will exist for each ETM Data instance. Note that if server_name is specified, the name will be resolved via a DNS lookup when an SMTP request is initiated, which may or may not resolve to the same IP address as specified in the inet_addr field if the IP address has changed.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
INET_ADDR	RAW	16	The IP Address of the mail server.
EMAIL_ADDR	VARCHAR2	64	The email account to use as the Reply-To address.
SERVER_NAME	VARCHAR2	255	The hostname of the mail server.

ENCRYPT_RULE_OBJ

Defines an encryption object which can be used in the Encryption field of a TeleVPN(R) policy.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
ENCRYPTION	NUMBER	22	The encryption type 0 = No encryption 1 = 3DES

Column	Type	Length	Comment
HIGH_ASSURANCE	CHAR	1	Indicates whether or not a call should be terminated if encryption fails 0 = false \1 = true
FLAGS	NUMBER	22	A bitwise mask of flags. 0 = None. \1 = Transparent. \2 = DSN.

ENUM_FILTER

This table represents the definition of a filter over a defined enumeration of values.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.

TYPE	NUMBER	22	A lookup value which identifies the type of enumeration.
			   0 = call action
			   1 = call type
			   2 = call direction
			   3 = diagnostic module
			   4 = vpn encryption
			   5 = vpn status
			   6 = directory extension type
			   7 = vpn mode
			   8 = vpn clear call details
			   9 = call disposition
			   10 = diagnostic error type

ETM_APPLICATION

Contains the configuration information for the applications running on the various platforms. 0 or more rows will exist for each ETM(R) Management Server.

Column	Type	Length	Comment
APPLICATION_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.

STATE	CHAR	1	The state of the configuration.
			Valid values:
			   N - Unintialized
			   A - Initialized
			   D - Deleted

MAC_ADDRESS	CHAR	12	The MAC Address for the application.
APPLICATION_ID	NUMBER	22	An ID used to uniquely identify the application on a platform.
APPLICATION_NAME	VARCHAR2	50	The name of the application.
HEARTBEAT_MSEC	NUMBER	22	The heartbeat rate in milliseconds. Valid range: 3000 (3 secs) - 3600000 (1 hour).

MSG_NUM	NUMBER	22	The identifying number of the last message received by the ETM(R) Management Server from the application.
LAST_MSG_DATE	DATE	7	The time of the last message that was processed.

APPLICATION_TYPE	NUMBER	22	The type of application.
			Valid values:
			    0 - Analog
			    1 - PRI
			    2 - T1
			    3 - E1PRI
			    4 - SS7 Trunk
			    5 - SS7 Signal Link
			    6 - Platform Controller
			    7 - AAA Service
			    8 - SS7 E1 Trunk
			    9 - SS7 E1 Signal Link Service
			    10 - IP
			    11 - OBE Call Recording-enabled Platform Controller
			    12 - OBE ETM call recording cache
			    13 - E1
			    14 - OBE LCCR: local cache call recording
			    15 - CRC: call recording cache
			    16 - SSB: SIP Security Bridge
			    17 - BAMS platform
			    18 - PGW trunk
			    19 - CDR importer trunk
			    20 - CDR importer platform

DEBUG	CHAR	1	Boolean value indicating if debug logging should be enabled.
			Valid values:
			    "0" - false
			    "1" - true

MINOR_FEATURES	VARCHAR2	100	A hex string representing a bitmask of minor features supported by the application. A null value is treated the same as a mask of 0, that is, no minor features are supported.
COMMENTS	VARCHAR2	1000	Comments assigned to the application.

ETM_PLATFORM

Contains the configuration information for the hardware appliances in use with the ETM(R) Management Server applications. 0 or more rows will exist for each server. 1 row will exist for each piece of hardware that has connected to a server.

Column	*Type*	*Length*	*Comment*
PLATFORM_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.

MODEL	NUMBER	22	The type of hardware.
			Valid values:
			    0 - 1010
			    1 - 1020
			    2 - 1030
			    3 - 1040
			    4 - 3000
			    5 - 3040
			    6 - 2170
			    7 - 3070
			    8 - 1000
			    9 - 4950
			    10 - 1060
			    11 - 1090
			    12 - 1012
			    13 - 1024
			    14 - 1025
			    15 - 4000
			    16 - 4070
			    17 - 5000
			    18 - BAMS
			    19 - CDR_IMPORTER

ENCRYPT_LEVEL	NUMBER	22	The encryption level to use when communicating with an ETM(R) Management Server application.
			Valid values:
			    0 - Unencrypted
			    1 - Single-DES Encryption
			    2 - Triple-DES Encryption

TIME_ZONE	VARCHAR2	30	The ID of the time zone in which the hardware resides.
PLATFORM_IP	RAW	16	The IP Address of the hardware.
NETMASK	RAW	16	The netmask to be used by the hardware.
GATEWAY	RAW	16	The gateway to be used by the hardware.
PASSPHRASE	VARCHAR2	50	The passphrase to use when encrypting communications.
ENABLE_PW	VARCHAR2	50	The enable password for the hardware.

SEC_LEVEL	NUMBER	22	The active security level of the hardware.
			Valid values:
			    0 - Low
			    1 - Medium
			    3 - High

SERVER_IP	RAW	16	The IP Address of the ETM® Management Server application to which the hardware should establish communication.
SERVER_PORT	NUMBER	22	The port on which the hardware should connect to the ETM(R) Management Server application.
SPAN_LICENSE	VARCHAR2	16	The string used to license the functionality of the hardware.

PREFIX_OR_MASK	CHAR	1	Specifies if the subnet_mask value is a prefix length or a IPv4-style subnet mask. Valid non-null values are:
			    P = Prefix length
			    M = IPv4 Subnet Mask (e.g. 255.255.255.0)

ETM_PLATFORM_TELNET_IPS

Contains a list of IP Addresses that will be allowed to telnet into a specific ETM Platform. 0 or more rows will exist for each ETM Platform defined in the ETM_PLATFORM table.

Column	Type	Length	Comment
PLATFORM_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TELNET_IP	RAW	16	An IP Address that will be allowed to telnet into an ETM platform.
SUBNET_MASK	RAW	16	The netmask to be used by the hardware.
PREFIX_OR_MASK	CHAR	1	Specifies if the subnet_mask value is a prefix length or a IPv4-style subnet mask. Valid non-null values are: P = Prefix length M = IPv4 Subnet Mask (e.g. 255.255.255.0)

ETM_USERS

Contains database users other than the owning user of the ETM database objects that allow application connection from the ETM(R) Management Server.

Column	Type	Length	Comment
NAME	VARCHAR2	30	Username that uniquely identifies a row in this table.
PASSWORD	VARCHAR2	128	The hashed password.

FIELD_CONFIG

This table defines the configurable user fields.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
DISTINCTIVENESS	NUMBER	22	Whether distinctiveness is determined by the underlying phone-number, or merged by the label value. 0 = merged 1 = distinct
TEXT	VARCHAR2	4000	The text pattern of string literals provided by the user.
TYPE	NUMBER	22	The type of field (call, utilization, diagnostic).

FILTER

This table acts as the main "registry" for all filter-definition related objects.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.

TYPE	NUMBER	22	A lookup value which identifies type of filter object. 0 = call log 1 = phone number 2 = date 3 = string based 4 = exclusion 5 = aggregate exclusion 6 = null 7 = array 8 = enum 9 = duration 10 = number 11 = diagnostic log 12 = bit field 13 = call class 14 = adp log 15 = directory listing 16 = import set 17 = IP filter 18 = system event

FILTER_CONTAINER

This table represents those filters which "wrap" another single filter, e.g. null filters, exclusion filters, and array filters.

Column	*Type*	*Length*	*Comment*
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SUB_FILTER_OID	CHAR	32	Object ID that identifies a sub-filter.

FINISHED_CONFIG

Contains configuration information for scheduled report task historical data. 1 row will exist for each ETM(R) Management Server application.

Column	*Type*	*Length*	*Comment*
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
DAYS	NUMBER	22	The number of days to retain scheduled report task history. Valid range: 0 - 9999. -1 indicates that the task data should never be discarded.
COUNT	NUMBER	22	The maximum number of entries to use for retaining scheduled report task history. Valid range: 0 - 99999. -1 indicates the no limit should be placed on the number of entries.

GEN_DATA

This table stores the data from generated reports.

Column	*Type*	*Length*	*Comment*
MINOR_OID	CHAR	32	Object ID that uniquely identifies the generated report shell.

Column	Type	Length	Comment
MAJOR_OID	CHAR	32	Object ID that uniquely identifies the generated report with data.
DATA	BLOB	4000	Binary java object representing the report data.

GEN_RPT

This table stores the definitions of generated reports.

Column	Type	Length	Comment
MINOR_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
FROM_DATE	DATE	7	The beginning of the range.
TO_DATE	DATE	7	The ending of the range.
GEN_DATE	DATE	7	The time the report data was generated.
TEMPLATE_NAME	VARCHAR2	255	The name of template from which the data was created.

GENERAL_CONFIG

Contains general configuration information for a management server. A single row will exist for each ETM Data instance.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
SMDRDL_ENABLED	CHAR	1	Boolean value indicating if smdr debug logging is enabled. Valid values: "0" - false
PASSWORD_MAX_AGE	NUMBER	22	The number of days after which passwords expire. Valid range: 1 - 999. -1 indicates password expiration is disabled.
PASSWORD_EXP_LEAD	NUMBER	22	Number of days prior to password expiration during which users are warned of pending expiration. Valid range: 1 - 999. -1 indications expiration warning is disabled.
PASSWORD_HIST_COUNT	NUMBER	22	Number of historical passwords to keep for uniqueness checks. Valid Range: 2 - 24. -1 indicates uniqueness check is disabled.

LOGIN_BANNER_ENABLED	CHAR	1	Boolean value indicating if a login banner should be displayed.
			Valid values:
			    "0" - false
			    "1" - true

LOGIN_BANNER_TITLE	VARCHAR2	50	The login banner dialog title.
LOGIN_BANNER_TEXT	BLOB	4000	The login banner dialog text.

MAX_CONCURRENT_CONNS	NUMBER	22	Maximum number of concurrent connections. 1 - 999 valid.
MAX_EXP_PWD_LCK_PROMPTS	NUMBER	22	Max number of password prompts before disabling account. 1-9.
MAX_CHANGE_PWD_FREQ	NUMBER	22	Max days between password changes.
MAX_CLIENT_TIMEOUT	NUMBER	22	Max idle client timeout period in minutes.
CLIENT_TIMEOUT_WARNING	NUMBER	22	Client timeout warning time in minutes.
MIN_PWD_LENGTH	NUMBER	22	Minimum user password length
MIN_SPECIAL_CHARS	NUMBER	22	Minimum number of special characters for user passwords.
MIN_UPPERCASE_CHARS	NUMBER	22	Minimum number of uppercase characters for user passwords.
MIN_NUMERIC_CHARS	NUMBER	22	Minimum number of numeric characters for user passwords.

GRAPH

This table stores attributes common to both charts and trends.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
DISPLAY	NUMBER	22	Whether or not the graph is displayed.
STYLE	NUMBER	22	The type of graph (e.g. bar, pie, line, etc.).
FIT	NUMBER	22	The style to display the detail table (equal width, fit content, fit page).
DETAIL	NUMBER	22	Whether a detail table for the graph is displayed.
LEGEND_POSITION	NUMBER	22	The position for the legend (top, bottom, left, right, none);
LABEL_ROTATION	NUMBER	22	The number of degrees to rotate the x-axis labels.
OTHER_GROUP	NUMBER	22	The consolidation percentage defining the "other" group.

GROUPBY

This table stores the definitions for an element`s fields to group by.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SUMMARY_NDX	NUMBER	22	Index into the array of group fields.
TRANSFORM_OID	CHAR	32	Object ID that uniquely identifies a column transform.

HIST_POLS

A working table used to sort historized policies and mark them for deletion.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
PARENT_ID	VARCHAR2	64	The string representation of the policy ID of the base ancestor of the policy
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
MODIFY_DATE	DATE	7	The last modification date of the policy.

HOLDING

This table records the calls which will be processed (either copied or deleted) by the current execution of the migrator thread.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	Object ID that uniquely identifies a call in this table.

HOSTS_ALLOWED

Contains the list of IP Addresses of clients that are allowed to connect to a particular management server. The table will contains 1 or more entries for each management server.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
INET_ADDR	RAW	16	The IP Address of a client that is allowed to connect to the management server.
SUBNET_MASK	RAW	16	The prefix length or subnet mask if the value is a subnet.
PREFIX_OR_MASK	CHAR	1	Specifies if the subnet_mask value is a prefix length or a IPv4-style subnet mask. Valid non-null values are: P = Prefix length M = IPv4 Subnet Mask (e.g. 255.255.255.0)

IMP_MOD_LISTINGS

This table is the temporary holding table of listing OIDs that were modified following an import set reconciliation.

Column	Type	Length	Comment
OID	CHAR	32	The oid of the DIR_LISTING that was either modified or deleted during the reconciliation.

Column	Type	Length	Comment
DELETED	CHAR	1	Boolean to identify if the listing was deleted or just modified.

IMPORT_AUDIT

This is a tables used to record the results of the Import reconciliations.

Column	Type	Length	Comment
IMPORT_SET_OID	CHAR	32	Object ID of import set on which this import is occurring.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
RECONCILER	VARCHAR2	100	User implementing the reconcile
RECONCILE_DATE	DATE	7	Date reconciled.
IMPORT_INDEX	NUMBER	22	The index of this import.
IMPORT_ROW_SIZE	NUMBER	22	The number of rows read into the import_listings table.
IMPORT_MATCH_COUNT	NUMBER	22	The number of rows matched with a row in dir_listing
IMPORT_INSERT_COUNT	NUMBER	22	The number of new rows inserted into dir_listing.
IMPORT_UPDATE_COUNT	NUMBER	22	The number of new rows updated in dir_listing.
IMPORT_DELETE_COUNT	NUMBER	22	The number of new rows deleted from dir_listing.
SUCCESS	CHAR	1	Denotes whether or not the import was successful. Valid Values: "0" - false "1" - true
FAIL_MSG	VARCHAR2	4000	An error message

IMPORT_CORRELATIONS

This table contains the matches between the dir_listings and import_listings during an import. This table is emptied after a reconciliation occurs.

Column	Type	Length	Comment
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
IMPORT_SET_OID	VARCHAR2	32	The OID of the import set to which the listing belongs.
IMP_OID	NUMBER	22	oid referencing the row in the import_listings table.
DIR_OID	CHAR	32	oid referencing the row in the dir_listings table.
CRITERIA_NUM	NUMBER	22	the index of the criteria which created the match.

IMPORT_DELETES

This table is used to generate the list of dir_listings that need to be deleted during an import reconciliation.

Column	Type	Length	Comment
DIR_OID	CHAR	32	oid referencing the row in the dir_listings table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
IMPORT_SET_OID	VARCHAR2	32	The OID of the import set to which the listing belongs.

IMPORT_INSERTS

This table is used to generate the list of import_listings that need to be added during an import reconciliation.

Column	Type	Length	Comment
IMP_OID	NUMBER	22	oid referencing the row in the import_listings table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
IMPORT_SET_OID	VARCHAR2	32	The OID of the import set to which the listing belongs.

IMPORT_LIST_URI

A list of VoIP URIs that were imported. Each are mapped back to an import_listing via the import_set_oid and oid columns. The reconciler runs outer joins with this table and dir_list_uri to determine which URIs have been added, removed, and modified.

Column	Type	Length	Comment
IMPORT_SET_OID	CHAR	32	The OID of the import set being correlated.
OID	CHAR	32	Object ID that uniquely identifies a directory listing
SEQUENCE	NUMBER	22	The order in which a uri appears in the import file.
URI	VARCHAR2	255	A VoIP URI for a single dir_listing

IMPORT_LISTINGS

Contains import listing entries. Each row represents a single record that was read in from the import file.

Column	Type	Length	Comment
DIR_OID	CHAR	32	the OID of the matching listing in the dir_listing table if there is one.
DIR_OP	CHAR	1	the operation to perform on this listing either U: update the dir_listing table with new values I: insert this entry into the dir_listing table
OID	NUMBER	22	Object ID that uniquely identifies a row in this table.

TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
IMPORT_SET_OID	VARCHAR2	32	The OID of the import set to which the listing belongs.
LAST_NAME	VARCHAR2	50	The last name of the person to which the listing pertains.
FIRST_NAME	VARCHAR2	50	The first name of the person to which the listing pertains.
COUNTRY_CODE	VARCHAR2	5	The Country Code of the phone number.
AREA_CODE	VARCHAR2	8	The area code of the phone number.
LOCAL_NUM	VARCHAR2	36	The local number portion of the phone number.

EXT_TYPE	NUMBER	22	The a bit flag combination of types of extensions for the phone number.
			Valid types:
			    0 - UNSPECIFIED
			    1 - DATA
			    2 - FAX
			    4 - MODEM
			    8 - STU
			    16 - VOICE

SITE	VARCHAR2	100	The site to which this listing belongs.
DEPT	VARCHAR2	100	The department to which the listing belongs.
LOCATION	VARCHAR2	100	The location of the listings termination point.
AUTH_NO	VARCHAR2	100	The authorization number for the listing.
EMAIL	VARCHAR2	100	The email address of the person to which the listing pertains.
MAIL_CODE	VARCHAR2	100	The mail code number for the listing.
COMMENTS	VARCHAR2	255	User comments for the listing.
USER1	VARCHAR2	100	A user definable field.
USER2	VARCHAR2	100	A user definable field.
USER3	VARCHAR2	100	A user definable field.
URI1	VARCHAR2	255	VoIP URI 1 of (up to) 5
URI2	VARCHAR2	255	VoIP URI 2 of (up to) 5
URI3	VARCHAR2	255	VoIP URI 3 of (up to) 5
URI4	VARCHAR2	255	VoIP URI 4 of (up to) 5
URI5	VARCHAR2	255	VoIP URI 5 of (up to) 5

IMPORT_SET

This table stores the relevant information regarding the details of the Import Set.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.

STATE	CHAR	1	The state of the configuration.
			Valid values:
			   A - Active
			   D - Deleted

NAME	VARCHAR2	100	Immutable name of Import Set.
MANUAL	CHAR	1	Boolean to determine if this is the Manual Import Set.
MODIFY_DATE	DATE	7	Date last modified
MODIFY_USER	VARCHAR2	100	User last modified
CREATE_DATE	DATE	7	Date created
CREATE_USER	VARCHAR2	100	User that created the import set.
TYPE	NUMBER	22	Denotes the import set type. Valid types: 0 - Manual 1 - LDAP
COMMENTS	VARCHAR2	255	User comments for the import set.
SYNC_ENABLED	CHAR	1	Denotes whether auto synchronization has been enabled. Valid types: "0" - false

IMPORT_SET_SYNC_SCHED

The table that stores the automatic import set reconciliation schedule.

Column	Type	Length	Comment
IMPORT_SET_OID	CHAR	32	Object ID of import set on which this import is occurring.
SCHEDULE	BLOB	4000	The binary representation of the schedule for the task.

IMPORT_UPDATE_URIS

The correlation table to track which listings are modified as a result of addition, removal, or changing of URIs.

Column	Type	Length	Comment
IMPORT_SET_OID	CHAR	32	The OID of the import set being correlated.

IMP_OID	NUMBER	22	oid referencing the row in the import_listings table.
DIR_OID	CHAR	32	Object ID that uniquely identifies a directory listing

IMPORT_UPDATES

This table is used to generate the list of dir_listings that need to be updated during an import reconciliation.

Column	Type	Length	Comment
IMP_OID	NUMBER	22	oid referencing the row in the import_listings table.
DIR_OID	CHAR	32	oid referencing the row in the dir_listings table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
IMPORT_SET_OID	VARCHAR2	32	The OID of the import set to which the listing belongs.

INSTANCE_IDS

Maps an integer ID number to the name of a data instance. One row will exist in the table for each ETM(R) Management Server application.

Column	Type	Length	Comment
INSTANCE_NAME	VARCHAR2	20	The unique name of a data instance for an ETM(R) Management Server application.
INSTANCE_ID	NUMBER	22	A unique id number for a data instance.

IP_FILTER

This table represents the definition of a filter over IP addresses; either an anonymous IP address, an anonymous subnet, or a collection of defined subnet objects.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
IP_ADDR	RAW	16	The anonymous IP address.
SN_ADDR	RAW	16	The IP address of the anonymous subnet.
SN_MASK	RAW	16	The mask of the anonymous subnet.
TYPE	NUMBER	22	Whether to filter by anonymous ip, anonymous subnet, or defined subnet.
PREFIX_OR_MASK	CHAR	1	Specifies if the sn_mask value is a prefix length or a IPv4-style subnet mask. Valid non-null values are: P = Prefix length M = IPv4 Subnet Mask (e.g. 255.255.255.0)

LDAP_IMPORT_SET

This table stores the additional information regarding the LDAP Import Set.

Column	Type	Length	Comment
IMPORT_SET_OID	CHAR	32	Object ID of import set on which this import is occurring.
SERVER_ADDRESS	RAW	16	The address of the LDAP server to connect to.
SERVER_PORT	NUMBER	22	The LDAP server port to connect to.
BASE	VARCHAR2	255	The base for the LDAP search.
USER_DN	VARCHAR2	255	The user credentials for LDAP authentication.
PASSWORD	RAW	128	The encrypted password.
FILTER	VARCHAR2	255	The LDAP filter specification for the search.
USE_DN	CHAR	1	Denotes whether to use the DN as the unique key identifier. Valid values: "0" - false "1" - true
ALT_KEY_ATTRIBUTE	VARCHAR2	255	If use_dn is false, this denotes the LDAP attribute that is to be used as the external key for the attribute.
SERVER_NAME	VARCHAR2	255	The hostname of the LDAP server to connect to.
PAGING_SUPPORTED	CHAR	1	Denotes whether to use paging for LDAP imports. Valid values: "0" - false "1" - true
PAGE_SIZE	NUMBER	22	The page size of the LDAP server.
SORT_KEY	VARCHAR2	255	The LDAP attribute to use as a sort key for paged results.

LDAP_LOGIN

Contains LDAP Server information to be used when logging into the ETM server.

Column	Type	Length	Comment
SERVER_AUTH_OID	CHAR	32	Object ID for the server_authentication.
SERVER_ADDR	RAW	16	The IP of the LDAP Server.
PORT	NUMBER	22	The port of the LDAP Server.
SERVER_TYPE	NUMBER	22	The type of server. Valid Values: "0" - Undefined "1" - Active Directory "2" - Sun One v5.2

BASE	VARCHAR2	255	The base to use for searching for users during authentication.
LOGIN_IDENTIFIER	NUMBER	22	The identifier to use for the filter when searching for users.
LOGIN_ATTRIBUTE	VARCHAR2	50	The attribute to use for the filter when searching for users.
DOMAIN	VARCHAR2	255	The domain of the LDAP server.

LDAP_LOGIN_GROUPS

Contains LDAP group information to be used when logging into the ETM server.

Column	*Type*	*Length*	*Comment*
LDAP_LOGIN_OID	CHAR	32	Object ID for the server_authentication.
LDAP_GROUP	VARCHAR2	255	The groups to use for LDAP Authentication.

MASK_PLAN

The top-level masking plan table.

Column	*Type*	*Length*	*Comment*
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
NAME	VARCHAR2	30	The name of the plan.
COMMENTS	VARCHAR2	255	The object comments.
VERSION	NUMBER	22	The plan version.

MASK_PLAN_FILES

Contains the masking plan files.

Column	*Type*	*Length*	*Comment*
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
PLAN_OID	VARCHAR2	64	Object ID that uniquely identifies a row in this table.
PLAN_FILE	BLOB	4000	The generated plan file pushed to the appliances.

MASK_RULE_DATA

Contains the multi-valued data values of masking plan rules.

Column	*Type*	*Length*	*Comment*

PLAN_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
RULE_NUM	NUMBER	22	The rule number.
DATA_TYPE	NUMBER	22	The field specifier 1 = Source 2 = Destination
RULE_OBJ_OID	CHAR	32	The oid of the object.
OBJECT_TYPE	NUMBER	22	Specifies the type of object. Correlates to RuleObjectTypes.
OBJECT_SUBTYPE	NUMBER	22	Specifies the subtype of object. Correlates to RuleObjectSubTypes.

MASK_RULES

Contains singular values of a given rule of the masking plan.

Column	Type	Length	Comment
PLAN_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
RULE_NUM	NUMBER	22	The rule number.
DIRECTION	NUMBER	22	The call direction 0 = Any 1 = Inbound 2 = Outbound
SRC_REPLACE	VARCHAR2	33	The source replacement string
DEST_REPLACE	VARCHAR2	33	The source replacement string
SRC_TON	NUMBER	22	The source type of number.
DEST_TON	NUMBER	22	The destination type of number.
SRC_NP	NUMBER	22	The source number plan.
DEST_NP	NUMBER	22	The destination number plan.
SRC_PI	NUMBER	22	The destination presentation indicator.
SRC_UNCHANGED	CHAR	1	Indicates if the source should remain unchanged. 0 = false 1 = true
DEST_UNCHANGED	CHAR	1	Indicates if the destination should remain unchanged. 0 = false 1 = true
SRCTON_UNCHANGED	CHAR	1	Indicates if the source TON should remain unchanged. 0 = false 1 = true

DESTTON_UNCHANGED	CHAR		1	Indicates if the destination TON should remain unchanged.
				0 = false
SRCNP_UNCHANGED	CHAR		1	Indicates if the source number plan should remain unchanged.
				0 = false
				1 = true
DESTNP_UNCHANGED	CHAR		1	Indicates if the destination number plan should remain unchanged.
				0 = false
				1 = true
SRCPI_UNCHANGED	CHAR		1	Indicates if the presentation indicator should remain unchanged.
				0 = false
				1 = true

MEDIA_TIMEOUT_RULE_OBJ

Specifies a media timeout duration which can be used in the attributes field of a TeleWall policy (for VoIP).

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
HOURS	NUMBER	22	The number of hours
MINUTES	NUMBER	22	The number of minutes

MULTI_TRACK_RULE_OBJ

Contains the top-level definition of a track object that contains a contact list, such as email and page tracks.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SEQUENCE	NUMBER	22	Sequence number used to enumerate the row
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Data Instance.
CONTACT_RULE_OBJ_ID	VARCHAR2	64	The string representation of the track object

NFAS_GROUP

This table contains details of the NFAS Groups used in the telco configuration.

Column	Type	Length	Comment
GROUP_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.

STATE	CHAR	1	The state of the configuration. Valid values: N - Unintialized A - Initialized D - Deleted
GROUP_ID	NUMBER	22	The id for an NFAS Group.
GROUP_NAME	VARCHAR2	50	The name for the NFAS Group.
SWITCH_TYPE	NUMBER	22	unused.
INTRA_SENSOR_ENCRYPT	NUMBER	22	Level of encryption between NFAS Group Members: Valid values: 0 - Unencrypted 1 - Single-DES Encryption 2 - Triple-DES Encryption
DES_KEY	VARCHAR2	255	Encryption key to use for encrypting communications with local appliances.
BASE_PORT	NUMBER	22	Port on which to listen for connections from local appliances. Valid range: 1 - 65635.
PRIMARY_ID	VARCHAR2	20	The oid of the primary NFAS sensor.
BACKUP_ID	VARCHAR2	20	The oid of the backup NFAS sensor.

NUMBER_FILTER

This table stores the definition of numeric range filters.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
FROM_NUMBER	NUMBER	22	The beginning of the number range.
TO_NUMBER	NUMBER	22	The ending of the number range.
FROM_SCALE	NUMBER	22	The magnitude of the scale for the from number.
TO_SCALE	NUMBER	22	The magnitude of the scale for the to number.
BASE	NUMBER	22	The base amount for scaling. 0 = binary (base 2) 1 = decimal (base 10) 2 = duration (ms/sec/min/hr/day/yr)
COMPARATOR	NUMBER	22	The comparison operator. 0 = less than 1 = greater than 2 = equal to 3 = between

OID_VALS

Contains state information concerning the current oid values for each class type. Each entry maps to the class_id_map table using the instance_id and class_id values.

Column	Type	Length	Comment
INSTANCE_ID	NUMBER	22	The integer id value of the instance to which each row belongs.
CLASS_ID	NUMBER	22	The integer value to use when constructing a unique object id value.
HIGH1	NUMBER	22	The last number used in the high 1 location when generating a unique object id value for this class identified in the row.
HIGH2	NUMBER	22	The last number used in the high 2 location when generating a unique object id value for this class identified in the row.

ORDERBY

This table stores the definitions for an element`s fields to order by.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
FIELD_NDX	NUMBER	22	Index into the array of displayed fields.
LIMIT	NUMBER	22	The number of "top" items to display.
COMPARATOR	NUMBER	22	Whether to display ascending or descending.

PARENT_DB

Column	Type	Length	Comment
PARENT_ID	VARCHAR2	1024	Name that uniquely identifies a row in this table.
IP_ADDR	VARCHAR2	255	The ip address of the server that hosts the db.
PORT	NUMBER	22	The port on which to connect to the db.
INSTANCE_NAME	VARCHAR2	255	The name of the instance that hosts the db.
SCHEMA_NAME	VARCHAR2	255	The name of the schema that hosts the db.

PATH_FOR_EVENT

Contains a list of report objects in the `family tree` of the report object just modified.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
PARENT_OID	CHAR	32	Object ID of report node`s parent.
TARGET_OID	CHAR	32	Object ID of report node`s target, which is another report node if the row represents a shortcut, or its own object ID otherwise.

PHONE_NUMBER_FILTER

This table represents the definition of a filter over phone numbers; either an anonymous phone number, an anonymous phone number range, or a collection of defined phone number objects.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
PHONE_NUMBER	VARCHAR2	36	The anonymous phone number.
COUNTRY_CODE	VARCHAR2	5	The country code of the number range.
AREA_CODE	VARCHAR2	8	The area code of the number range.
FROM_NUM	VARCHAR2	36	The beginning of the number range.
TO_NUM	VARCHAR2	36	The ending of the number range.
FILTER_BY	NUMBER	22	Whether to filter by number, range, or collection.
URI	VARCHAR2	255	The anonymous URI.

POL_MOD_LISTINGS

Temporary table used during dirty policy processing to store listings that have been modified for a given policy as a result of import set reconciliation.

Column	Type	Length	Comment
LISTING_OID	CHAR	32	The oid of the DIR_LISTING that was modified during reconciliation.

POLICY

Contains primary attributes of a TeleWall policy.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.

TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
POLICY_ID	VARCHAR2	64	The string representation of the policy ID.
POLICY_NAME	VARCHAR2	30	The name of the policy.
EMERG_OID	CHAR	32	The OID of the user-assigned emergency group object.
DEFAULT_EMERG_OID	CHAR	32	The OID of the default emergency group object.
MODIFY_DATE	DATE	7	The last modification date of the policy.
MODIFY_USER	VARCHAR2	100	The user who last modified the policy.
ORIG_CREATE_DATE	DATE	7	The create date of the policy.
ORIG_CREATE_USER	VARCHAR2	100	The user who created the policy.
PARENT_ID	VARCHAR2	64	The string representation of the policy ID of the base ancestor of the policy.
POLICY_STATE	NUMBER	22	The policy state 1 = Saved 2 = Installed 3 = Historized
STATE	CHAR	1	The state A = Active D = Deleted
INSTALL_SIZE	NUMBER	22	The computed weight of an installed policy.

POLICY_ARRAYS

Contains the span groups that are assigned and/or enforcing a TeleWall policy.

Column	*Type*	*Length*	*Comment*
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TYPE	NUMBER	22	Indicates whether or not the array is enforcing the policy or not 0 = assigned, but not necessarily enforcing 1 = currently enforcing the policy
SEQUENCE	NUMBER	22	Sequence number used to enumerate the row.
RULE_OBJ_OID	CHAR	32	The OID of the span group.

POLICY_FILES

Contains the TeleWall policy files generated for each span group on which the policy is installed.

Column	*Type*	*Length*	*Comment*

TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
POLICY_ID	VARCHAR2	64	The string representation of the policy ID.
ARRAY_ID	VARCHAR2	64	The string representation of the span group ID.
POLICY_FILE	BLOB	4000	The generated policy file pushed to the appliances.
GEN_DATE	DATE	7	The date the policy files was generated.

POLICY_FILTERS

The "snapshot" of the directory filters and their contents that were at the time of policy file generation.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	ID of a policy.
FILTER_OID	CHAR	32	The Object ID of a directory filter.
LISTING_OID	CHAR	32	The Object ID of a directory listing contained in the filter

POLICY_PHONE_GROUP

The "snapshot" of the directory groups that were specified at the time of policy file generation.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
GROUP_OID	CHAR	32	The Object ID of a directory group.

POLICY_PHONE_NUM

The local number of the specified listing in the policy file.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
LISTING_OID	CHAR	32	The Object ID of a directory listing.
COUNTRY_CODE	VARCHAR2	5	The country code of the specified listing in the policy file.
AREA_CODE	VARCHAR2	8	The area code of the specified listing in the policy file.
LOCAL_NUM	VARCHAR2	36	The "snapshot" of the directory listings as they existed at the time of policy file generation.

POLICY_RULES

Contains the attributes and singular data values of TeleWall policy rules.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
RULE_NUM	NUMBER	22	The rule number.
DIRECTION	NUMBER	22	The call direction 0 = Any 1 = Inbound 2 = Outbound
ACTION	NUMBER	22	The action to take when the rule fires 1 = Allow the call 1 = Allow 2 = Terminate
IMPLIED_IND	CHAR	1	Indicates whether or not the rule is an implied rule 0 = false 1 = true
DEFAULT_IND	CHAR	1	Indicates whether or not the rule is a default rule 0 = false 1 = true
DELETEABLE	CHAR	1	Indicates whether or not the rule is deleteable 0 = false 1 = true
MOVEABLE	CHAR	1	Indicates whether or not the rule can be moved within the policy 0 = false 1 = true
HIDDEN	CHAR	1	Indicates whether or not the rule is hidden in the policy rules display 0 = false 1 = true
ENABLED	CHAR	1	Indicates whether or not the rule is enabled or not (masked) 0 = false 1 = true
ENFORCEMENT	NUMBER	22	Indicates the enforcement state of the rule (applicable only when the policy is in an Installed state) 0 = the rule is enforced by all span groups as denoted in the Install On field 1 = the rule is enforce by only a subset of the span groups as denoted in the Install On field 2 = the rule is not currently enforced by any span group denoted in the Install On field
TYPES_NEGATED	CHAR	1	Indicates whether or not the types field is negated 0 = false 1 = true

TIMES_NEGATED	CHAR	1	Indicates whether or not the times field is negated 0 = false 1 = true
COMMENTS	VARCHAR2	255	the comments

POLICY_URI

The URIs associated with a listing that were last installed with a policy.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	ID of a policy.
LISTING_OID	CHAR	32	The Object ID of a directory listing.
URI	VARCHAR2	255	The URI associated with the listing

PRI_SENSOR

These are ISDN specific attributes of the sensor.

Column	Type	Length	Comment
SENSOR_OID	CHAR	32	The oid of the sensor for which this data pertains.
SWITCH_TYPE	NUMBER	22	Switch Type: 0 = _NI2 1 = _4ESS 2 = _5ESS 3 = _DMS100 4 = _NET5 5 = _1TR6 6 = _DASS2 7 = _VN 8 = _E1QSIG_MASTER 9 = _E1QSIG_SLAVE
INTRA_SENSOR_ENCRYPT	NUMBER	22	The level of encryption for the NFAS communication.
DES_KEY	VARCHAR2	255	The DES Key for the encryption intra-NFAS communication.
IFC_ID	NUMBER	22	Interface id of this sensor.
BASE_PORT	NUMBER	22	Base Port to which this sensor communicates.
PRIMARY_ID	VARCHAR2	40	Primary ID of this sensor, if it is the primary.
BACKUP_ID	VARCHAR2	40	Backup ID of this sensor, if it is the backup.
PRI_TYPE	NUMBER	22	Type of PRI Sensor: 0 = NFAS_PRIMARY 1 = NFAS_BACKUP 2 = NFAS_MEMBER 3 = STAND_ALONE

CPN_CHANGE	CHAR	1	Boolean determining whether to modify the Calling Party Number.
CPN_RESTRICTED	CHAR	1	Boolean determining whether to set the Calling Party Number Restricted bit.
CPN_NUMBER	VARCHAR2	50	The Calling Party Number to use in place of the actual value.
CPN_TON	NUMBER	22	unused.

ISDN_DIR	NUMBER	22	The ISDN Direction:
			    0 = NONE
			    1 = NORMAL
			    2 = REVERSE

CROSSOVER	NUMBER	22	The ISDN Crossover:
			    0 = OFF
			    1 = ON
			    2 = AUTO

DPNSS_GLARE	NUMBER	22	The DPNSS Glare Setting:
			    0 = NONE
			    1 = PBX X
			    2 = PBX Y

USE_MASK_PLAN	CHAR	1	Boolean determining whether to use mask plan or cpn config values.
MASK_PLAN_OID	CHAR	32	The oid of the masking plan which this sensor is enforcing.

PROPERTIES

This table maps property names to property values.

Column	Type	Length	Comment
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
KEY	VARCHAR2	128	The name of the property.
VALUE	VARCHAR2	128	The value of the property.
DEFAULT_VALUE	VARCHAR2	128	The initial/default value of the property.
DYNAMIC	CHAR	1	Flag indicating whether value change requires reboot to take effect.
DESCRIPTION	VARCHAR2	4000	The description of this property.

TYPE	NUMBER	22	The enumerated data type for this property.
			Valid values:
			    "0" - String
			    "1" - Duration
			    "2" - Boolean
			    "3" - Integer
			    "4" - Long

Column	Type	Length	Comment
EDITABLE	CHAR	1	Indicates if the property is editable via the standard property editor.
VISIBLE	CHAR	1	Indicates if the property is visible in the standard property editor.

RANGE_DEFINITION

Contains a list of relative date ranges used in the system.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
START_DATE	BLOB	4000	Binary java object representing the start date for the relative date range.
END_DATE	BLOB	4000	Binary java object representing the end date for the relative date range.
END_REL	NUMBER	22	The type of date which the end date is relative to. Valid values: 0 - start date 1 - reference date

REC_POLICY

Contains primary attributes of a call recording policy.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
POLICY_ID	VARCHAR2	64	the string representation of the policy ID
POLICY_NAME	VARCHAR2	30	the name of the policy
MODIFY_DATE	DATE	7	the last modification date of the policy
MODIFY_USER	VARCHAR2	100	the user who last modified the policy
ORIG_CREATE_DATE	DATE	7	the create date of the policy
ORIG_CREATE_USER	VARCHAR2	100	the user who created the policy
PARENT_ID	VARCHAR2	64	the string representation of the policy ID of the base ancestor of the policy
POLICY_STATE	NUMBER	22	the policy state 1 = Saved 2 = Installed 3 = Historized

STATE	CHAR	1	the state A = Active D = Deleted
INSTALL_SIZE	NUMBER	22	The computed weight of an installed policy.
CONTINUE_RECORDING	CHAR	1	Whether to continue recording once the call type changes 0 -- Do not continue 1 -- Continue

REC_POLICY_ARRAYS

Contains the span groups that are assigned and/or enforcing a call recording policy.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TYPE	NUMBER	22	indicates whether or not the array is enforcing the policy or not 0 = assigned, but not necessarily enforcing 1 = current enforcing the policy
SEQUENCE	NUMBER	22	sequence number used to enumerate the row
RULE_OBJ_OID	CHAR	32	the OID of the span group

REC_POLICY_FILES

Contains the call recording policy files generated for each span group on which the policy is installed.

Column	Type	Length	Comment
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
POLICY_ID	VARCHAR2	64	the string representation of the policy ID
ARRAY_ID	VARCHAR2	64	the string representation of the span group ID
POLICY_FILE	BLOB	4000	the generated policy file pushed to the appliances
GEN_DATE	DATE	7	the date the policy files was generated

REC_POLICY_FILTERS

The "snapshot" of the directory filters and their contents that were at the time of policy file generation.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	ID of a policy.
FILTER_OID	CHAR	32	The Object ID of a directory filter.
LISTING_OID	CHAR	32	The Object ID of a directory listing contained in the filter

REC_POLICY_PHONE_GROUP

The "snapshot" of the directory groups that were specified at the time of policy file generation.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
GROUP_OID	CHAR	32	The Object ID of a directory group.

REC_POLICY_PHONE_NUM

The local number of the specified listing in the policy file.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
LISTING_OID	CHAR	32	The Object ID of a directory listing.
COUNTRY_CODE	VARCHAR2	5	The country code of the specified listing in the policy file.
AREA_CODE	VARCHAR2	8	The area code of the specified listing in the policy file.
LOCAL_NUM	VARCHAR2	36	The "snapshot" of the directory listings as they existed at the time of policy file generation.

REC_POLICY_RULE_ID

The table that stores a user-defined name for a recording policy rule.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
NAME	VARCHAR2	32	User-defined name for the rule. NULLS are allowed when users are saving policies, but the policy verifier should make sure that the name is not null when installing a policy.

REC_POLICY_RULES

Contains the attributes and singular data values of call recording policy rules.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
RULE_NUM	NUMBER	22	the rule number
RULE_OID	CHAR	32	Object ID referencing the rule in the rec_poilcy_rule_id table.

DIRECTION	NUMBER	22	the call direction
			    0 = Any
			    1 = Inbound
			    2 = Outbound

RESPONSE_OBJ_ID	VARCHAR2	64	the rule object ID of the response object, specifying to record or not record
PRIORITY_OBJ_ID	VARCHAR2	64	the rule object ID of the priority object, specifying the priority of transfer.

IMPLIED_IND	CHAR	1	indicates whether or not the rule is an implied rule
			    0 = false
			    1 = true

DEFAULT_IND	CHAR	1	indicates whether or not the rule is a default rule
			    0 = false
			    1 = true

DELETEABLE	CHAR	1	indicates whether or not the rule is deleteable
			    0 = false
			    1 = true

MOVEABLE	CHAR	1	indicates whether or not the rule can be moved within the policy
			    0 = false
			    1 = true

HIDDEN	CHAR	1	indicates whether or not the rule is hidden in the policy rules display
			    0 = false
			    1 = true

ENABLED	CHAR	1	indicates whether or not the rule is enabled or not (masked)
			    0 = false
			    1 = true

ENFORCEMENT	NUMBER	22	indicates the enforcement state of the rule (applicable only when the policy is in an Installed state)
			    0 = the rule is enforced by all span groups as denoted in the Install On field
			    1 = the rule is enforce by only a subset of the span groups as denoted in the Install On field
			    2 = the rule is not currently enforced by any span group denoted in the Install On field

TYPES_NEGATED	CHAR	1	indicates whether or not the types field is negated
			    0 = false
			    1 = true

TIMES_NEGATED	CHAR	1	Indicates whether or not the times field is negated
			    0 = false
			    1 = true

COMMENTS	VARCHAR2	255	the comments

REC_PRIORITY_RULE_OBJ

Defines the priority object which can be used in the Priority field of a call recording policy.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
PRIORITY	NUMBER	22	The priority 1 = High 2 = Medium 3 = Low

REC_RULE_DATA

Contains the multi-valued data values of call recording policy rules.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
RULE_NUM	NUMBER	22	the rule number
DATA_TYPE	NUMBER	22	the field specifier 1 = Source 2 = Destination 3 = Call Type 4 = Time
SEQUENCE	NUMBER	22	sequence number used to enumerate the row
RULE_OBJ_OID	CHAR	32	the OID of the object
OBJECT_TYPE	NUMBER	22	Specifies the type of object. Correlates to RuleObjectTypes. 0 = Call Type 1 = Contact 2 = Phone Number 4 = Span Group 5 = Time 6 = Tracking 7 = Wildcard (Any, None) 10 = Call Duration 11 = Caller ID Restricted 12 = AAA Service User 13 = TeleVPN Encryption 14 = VoIP 15 = Call Recording Priority
OBJECT_SUBTYPE	NUMBER	22	Specifies the subtype of object. Correlates to RuleObjectSubTypes.

REPORT_NODE

Contains a list of relative date ranges used in the system.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.

| PARENT_OID | CHAR | 32 | Object ID of report node`s parent. |

REPORT_OBJECT

This table acts as the main "registry" for all report-definition related objects.

Column	*Type*	*Length*	*Comment*
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM® Management Server application.
USER_OID	CHAR	32	A reference that uniquely identifies the user of this object.
STAMP	DATE	7	The last time this object was modified.
NAME	VARCHAR2	255	The name of this object.
TYPE	NUMBER	22	A lookup value which identifies what kind of object this is. 0 = template 1 = call element 2 = utilization element 3 = relative date range 4 = folder 5 = shortcut

REPORT_SERVER

Contains report server communications configuration information. 1 row will exist for each ETM(R) Management Server application.

Column	*Type*	*Length*	*Comment*
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
NAME	VARCHAR2	255	Internal name for the report server. Will be equal to the IP Address.
INET_ADDR	RAW	16	The IP Address of the host for the report server.
PORT	NUMBER	22	The RMI port on which to communicate with the Report Server. Valid range: 0 - 65535.
PASSPHRASE	VARCHAR2	255	The passphrase used to encrypt communications with the Report Server.

REPORT_TABLES

This table keeps track of utility objects created on the fly to service report requests.

Column	*Type*	*Length*	*Comment*

TWMS_NAME	VARCHAR2	23	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application. The name will be preceded with "MS_" or "RS_" for "management server" and "report server", respectively.
TABLE_NAME	VARCHAR2	32	The name of the utility object that was created.
TYPE	CHAR	1	A flag indicating the type of utility object created, "T" for table, "V" for view, and "S" for sequence.
SEQUENCE	NUMBER	22	The decimal number used to insure that the object name was unique.

RU_ELEMENT

This table stores attributes specific to a utilization element.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
USE_START_TIME	NUMBER	22	Whether utilization is based on start time or connect time.
TRANSFORM_OID	CHAR	32	Object ID that identifies the date column transform.
LAST_GROUP	NUMBER	22	Indicates the last element group to display.

RULE_DATA

Contains the multi-valued data values of TeleWall policy rules.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
RULE_NUM	NUMBER	22	The rule number.
DATA_TYPE	NUMBER	22	The field specifier 1 = Source 2 = Destination 3 = Call Type 4 = Time 5 = Duration 6 = Tracking 7 = Install On 8 = Attributes
SEQUENCE	NUMBER	22	Sequence number used to enumerate the row.
RULE_OBJ_OID	CHAR	32	The OID of the object.

OBJECT_TYPE	NUMBER	22	Specifies the type of object. Correlates to RuleObjectTypes. 0 = Call Type 1 = Contact 2 = Phone Number 4 = Span Group 5 = Time 6 = Tracking 7 = Wildcard (Any, None) 10 = Call Duration 11 = Caller ID Restricted 12 = AAA Service User 13 = TeleVPN Encryption
OBJECT_SUBTYPE	NUMBER	22	Specifies the subtype of object. Correlates to RuleObjectSubTypes.

RULE_OBJ

The top-level definition of objects which can be used in policy.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Data Instance.
RULE_OBJ_ID	VARCHAR2	64	The string representation of the object ID
NAME	VARCHAR2	100	the name of the object
COMMENTS	VARCHAR2	255	the object comments
TYPE	NUMBER	22	the major type of object 0 = Call Type 1 = Contact 2 = Phone Number 3 = Action 4 = Span Group 5 = Time 6 = Tracking 7 = Wildcard (Any, None) 9 = Call Direction 10 = Call Duration 11 = Caller ID Restricted 12 = AAA Service User 13 = Encryption 14 = Subnet 20 = Attributes
EDITABLE	CHAR	1	Indicates whether or not the object is editable by the user 0 = false 1 = true
DELETEABLE	CHAR	1	Indicates whether or not the object can be deleted by the user 0 = false 1 = true

NAMEABLE	CHAR	1	Indicates whether or not the object can be renamed by the user
			   0 = false
			   1 = true

SYSTEM_DEFINED	VARCHAR2	1	Indicates whether or not the object is pre-defined by the system
			   0 = false
			   1 = true

STATE	CHAR	1	The state
			   A = Active
			   D = Deleted

SCH_RPT

Contains the list of scheduled report tasks. 0 or more rows will exist for each ETM(R) Management Server.

Column	*Type*	*Length*	*Comment*
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
TASK_NAME	VARCHAR2	64	The user-defined name for a scheduled report task.

STATUS	NUMBER	22	The current status of the scheduled report task.
			Valid values:
			   0 - Unknown
			   1 - Unscheduled
			   2 - Pending
			   3 - Running
			   4 - Completed
			   5 - Partially failed
			   6 - Paused
			   7 - Failed
			   8 - Cancelled

USER_NAME	VARCHAR2	64	The name of the user that scheduled the task.
START_TIME	DATE	7	The start time for the task.
END_TIME	DATE	7	The end time for the task.
REMOVE	CHAR	1	Boolean value indicating if the task should be removed from the active list once the final run is complete. Defaults to true for web-initiated scheduled reports, false for client-initiated reports. Valid values: "0" - false

FINISHED	CHAR	1	Boolean value indicating if the task has finished.
			Valid values:
			   "0" - false
			   "1" - true

SCHEDULE	BLOB	4000	The binary representation of the schedule for the task.

REPORT_OID	CHAR	32	The OID of the report associated with the scheduled report task.
FROM_DATE	DATE	7	The beginning point for the time range.
TO_DATE	DATE	7	The ending point for the time range.
RANGE_OID	CHAR	32	Object ID that identifies a relative date range.
FILTER_NUM	VARCHAR2	64	Phone number used for filtering report results. Null if there is not filter.
FILTER_TYPE	NUMBER	22	Where the filter_num should be applied: 0 or null: no filter 1: source 2: destination 3: internal 4: external
LAST_RUN_TIME	DATE	7	The last run time for the task.

SCH_RPT_EMAIL_ACTION

Contains information for scheduled report email task actions. A row will exist for each email action associated with a scheduled report task.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
TASKOID	CHAR	32	The OID of the scheduled report task this row corresponds to.
NAME	VARCHAR2	64	The name of the email track object.
DESTINATION	VARCHAR2	64	The rule object ID of an email track object
EMAIL	VARCHAR2	255	An anonymous email address where the report should be sent
EXPORT_TYPE	NUMBER	22	The format of the file the report will be exported to. Valid values: 0 - HTML 1 - RTF 2 - PS 3 - PDF 4 - CSV
MAX_SIZE	NUMBER	22	The maximum attachment size in MB. Valid range: 0 - 99999.

NOTIFY_TYPE	NUMBER	22	Specifies the notification type if the email action is a notification only, that is, no attachment is to be sent. This value may be null if max_size > 0.
			Valid values:
			    0 - Always send a notification upon action completion.
			    1 - Only send a notification when an error is incurred.
			    null - The email action is to send an attachment, so the value is not applicable.

SCH_RPT_ERROR

Contains error information for scheduled report tasks. 0 or more rows may exist for each scheduled report task.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
TASKOID	CHAR	32	The OID of the scheduled report task this row corresponds to.

SEVERITY	NUMBER	22	The severity of the error that occurred.
			Valid values:
			    3 - Error
			    4 - Warning
			    7 - Info

ERR_DATE	DATE	7	The date on which the error occurred.
DESCRIPTION	VARCHAR2	255	A description of the error.

SCH_RPT_SAVE_ACTION

Contains information for scheduled report save task actions. A row will exist for each save action associated with a scheduled report task.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
TASKOID	CHAR	32	The OID of the scheduled report task this row corresponds to.
NAME	VARCHAR2	64	The resulting saved file name.

EXPORT_TYPE	NUMBER	22	The format of the file the report will be exported to.
			Valid values:
			    0 - HTML
			    1 - RTF
			    2 - PS
			    3 - PDF
			    4 - CSV

DIRECTORY	VARCHAR2	255	The directory on the ETM(R) Management Server host machine to which the file will be saved.
APPEND_DATE	CHAR	1	Boolean value indicating if the current date should be appended to the filename. Valid values: "0" - false "1" - true
OVERWRITE	CHAR	1	Boolean value indicating if existing files of the same name should be overwritten. Valid values: "0" - false "1" - true

SCH_RPT_TREE_ACTION

Contains information for scheduled report save task actions. A row will exist for each save action associated with a scheduled report task.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
TASKOID	CHAR	32	The OID of the scheduled report task this row corresponds to.
NAME	VARCHAR2	64	The resulting saved file name.
DESTOID	CHAR	32	The oid of the folder in the report tree where the report will be saved.
APPEND_DATE	CHAR	1	Boolean value indicating if the current date should be appended to the filename. Valid values: "0" - false "1" - true
OVERWRITE	CHAR	1	Boolean value indicating if existing files of the same name should be overwritten. Valid values: "0" - false "1" - true

SCHEDULED_PROCEDURES

Table that contains reference data for the scheduled procedures.

Column	Type	Length	Comment
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
SCHEDULE_NAME	VARCHAR2	255	A descriptive name for the schedule task.
PROCEDURE_NAME	VARCHAR2	255	The name of the procedure that is scheduled to run.

MODULE_VAL	NUMBER	22	The int module value used to map to the MS Module types, or null.
LOG_TYPE_VAL	NUMBER	22	The int log type value used to map to the MS Log types, or null.

ENABLED	CHAR	1	Boolean value indicating if the procedures is currently enabled. Valid values:
			    "0" - false
			    "1" - true

START_DATE	DATE	7	The original date set as the starting date to run.

INTERVAL_UNIT	NUMBER	22	The unit for the recurrence interval.
			Value values:
			    2 - Minutes
			    3 - Hours
			    4 - Days
			    5 - Weeks
			    6 - Months

INTERVAL_ITERATIONS	NUMBER	22	The iteration multiplier to apply to the time unit when calculating the interval.
JOB_NUMBER	NUMBER	22	If scheduled, the job number for the DBMS_JOB set to run the procedure.

SENSOR

Contains the configuration information for the span applications. 0 or more rows will exist for each ETM(R) Management Server. 1 row will exist for each span application that has connected to a server.

Column	Type	Length	Comment
SENSOR_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
CALL_EST_MSEC	NUMBER	22	The length of time in milliseconds after the last digit is dialed until a call is marked as established. Valid range: 0 - 120000 (2 mins).
TYPE_TIMEOUT_MSEC	NUMBER	22	The length of time in milliseconds the span waits after a call is established before classifying a silent or indistinguishable call as Voice. Valid range: 0 - 60000 (1 min).
SMDR_TIMEOUT_MSEC	NUMBER	22	The length of time in milliseconds the span will wait for SMDR from the ETM(R) Management Server after a call ends. Valid range: 10000 (10 secs) - 1200000 (20 mins).
ENFORCE_POLICY	CHAR	1	Boolean value indicating if the span should enforce policy. Valid values: "0" - false

AMBIG_POLICY	CHAR	1	Indicates how a span should handle ambiguous policy rules.
			Valid values:
			    0 - Skip the rule
			    1 - Skip the rule on inbound call only
			    2 - Do not skip rule

DETECT_STU	CHAR	1	Boolean value indicating if the span should actively detect STU.
			Valid values:
			    "0" - false
			    "1" - true

DEFAULT_2400_TO_MODEM	CHAR	1	No longer used.

COLLECT_ALL_DIGITS	CHAR	1	Boolean value indicating if the span should collect all DTMF digits.
			Valid values:
			    "0" - false
			    "1" - true

COUNTRY_CODE	NUMBER	22	The country code for the locale of the appliance.
AREA_CODE	VARCHAR2	10	The area code for the locale of the appliance.

SENSOR_BOX

Contains the list of appliance objects defined in the system. Each row defines a single appliance object and 0 or more rows will exist for each ETM(R) Management Server application.

Column	Type	Length	Comment
BOX_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.

STATE	CHAR	1	The current state of the appliance object.
			Valid values:
			    A - Initialized
			    D - Deleted

BOX_ID	NUMBER	22	Unique ID for the appliance object used internally by the system.
BOX_NAME	VARCHAR2	50	User-defined name for the appliance object.

SENSOR_POLICY_SIZE

Contains the policy size of the currently installed firewall, IPS, and call recording policies.

Column	Type	Length	Comment
SENSOR_OID	VARCHAR2	32	Object ID that uniquely identifies a sensor.
FW_POL_SIZE	NUMBER	22	The size of the Firewall Policy that is currently installed
IPS_POL_SIZE	NUMBER	22	The size of the IPS Policy that is currently installed

REC_POL_SIZE	NUMBER	22	The size of the Call Recording Policy that is currently installed

SENSOR_RULE_OBJ

Defines an policy object to an existing span group.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Data Instance.
ARRAY_ID	VARCHAR2	64	The string representation of the span group ID that this object represents

SERVER_AUTHENTICATION

Contains authentication information to be used when logging into the ETM server.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
ALLOWED_AUTH	NUMBER	22	The allowed authorization type.
CAC_TRANS_PERIOD	NUMBER	22	The transition time period for cac.
CAC_TRANS_PERIOD_START	DATE	7	The transition start time period for cac.
KEEP_ONLY_CAC	CHAR	1	The transition start time period for cac.

SHORTCUT_DEFINITION

This table stores the definitions of shortcuts to report objects.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TARGET_OID	CHAR	32	Object ID that identifies a report object target.

SNMP_HOSTS

Contains a list of properties required to identify a Network Manager capable of receiving SNMP traps. Note that if server_name is specified, the name will be resolved via a DNS lookup when a trap is generated, which may or may not resolve to the same IP address as specified in the host field if the IP address has changed.

Column	Type	Length	Comment
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.

COMMUNITY	VARCHAR2	255	The SNMP community.
HOST	RAW	16	The IP Address.
PORT	NUMBER	22	The port number.
SERVER_NAME	VARCHAR2	255	The IP Address.

SNMP_RULE_OBJ

Defines an SNMP trap that can be used in the Track field of a policy.

Column	*Type*	*Length*	*Comment*
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Data Instance.
RULE_OBJ_ID	VARCHAR2	64	The string representation of the object ID
TRAP_NUMBER	NUMBER	22	The SNMP trap number
INET_ADDRESS	VARCHAR2	19	The IP address of the manager to which to send the trap
OBJ_ID	VARCHAR2	128	The SNMP OID
COMMUNITY	VARCHAR2	255	The SNMP community

SS7_BEARER_CHANNEL

Contains the mappings of CICs to channels for SS7 Bearers.

Column	*Type*	*Length*	*Comment*
SENSOR_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
CHANNEL_NUM	NUMBER	22	The channel number to map to a corresponding CIC. Valid range is 1-24 for T1 and 1-31 for E1.
CIC_CODE	NUMBER	22	The Circuit Identifier Code for a channel.

SS7_GROUP

Contains the configuration information for SS7 Groups.

Column	*Type*	*Length*	*Comment*
GROUP_OID	CHAR	32	An object identifier that uniquely identifies an SS7 Group.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.

STATE	CHAR	1	The state of the configuration.
			Valid values:
			    N - Unintialized
			    A - Initialized
			    D - Deleted

GROUP_ID	NUMBER	22	The id for an SS7 Group.
GROUP_NAME	VARCHAR2	50	The name for the SS7 Group.
LPC	NUMBER	22	The Local Point Code for the SS7 Group.
RPC	NUMBER	22	The Remote Point Code for the SS7 Group.

GLARE_CONTROL	NUMBER	22	The glare control setting for the SS7 Group.
			Valid values:
			    0 - NONE
			    1 - ALL
			    2 - Even/ODD

SS7_GROUP_TO_LINKS

Contains the list of SS7 SLs associated with each SS7 Group.

Column	Type	Length	Comment
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
GROUP_OID	CHAR	32	An object identifier that uniquely identifies an SS7 Group.
SIGNAL_LINK_OID	CHAR	32	An object identifier that identifies the SS7 SL associated with this SS7 Group.

SS7_SIGNAL_LINK_SENSOR

Contains the configuration information for SS7 Signal Link appliances.

Column	Type	Length	Comment
SENSOR_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
LISTENER_PORT	NUMBER	22	The SS7 Signaling Link listener port on which the appliance will communicate with SS7 Bearer appliances. Valid range is 1 - 65535.

DATA_RATE	NUMBER	22	The signaling link data rate.
			Value values:
			    0 - 56K
			    1 - 64K

PROTOCOL	NUMBER	22	The protocol variant for the SS7 messaging. Valid values: 0 - ANSI ISUP
TS_1	NUMBER	22	The channel number for the first time slot.
TS_2	NUMBER	22	The channel number for the second time slot, if used.

TS_3	NUMBER	22	The channel number for the third time slot, if used.
TS_4	NUMBER	22	The channel number for the fourth time slot, if used.

SSB_IPSEC_IPS

This TABLE holds IPSEC known hosts for the SSB application nodes. Each row denotes whether it belongs to the Signal or Media proxy node configuration. Note that for the call processor, all hosts must be known.

Column	Type	Length	Comment
SSB_OID	CHAR	32	The foreign key to the ssb_sensor TABLE.
NETWORK_TYPE	CHAR	1	Denotes if the value should applies to the Signal or Media proxy node.
IP	RAW	16	An IP address of an IPSEC host in the network.

SSB_SENSOR

Contains the VoIP-specific configuration information for the SIP application.

Column	Type	Length	Comment
SENSOR_OID	CHAR	32	The primary and foreign key of the sensor.
PRIMARY_ETH	VARCHAR2	10	The primary ethernet interface of the call processor node
CALLPROC_PRIVATE_IP	RAW	16	The "private" IP address of the call processor node.
SIG_PROXY_IP	RAW	16	The "public" IP address of the signal proxy node.
CALLPROC_SIG_PORT	NUMBER	22	The port that the call processor receives SIP messages from the signal proxy.
SIG_AGENT_PORT	NUMBER	22	The port on the signal proxy node in which to connect to the agent.
HA_ENABLED_SIG_PROXY	CHAR	1	Denotes whether or not Linux HA is enabled for signal proxy nodes.
HA_SIG_APIAUTH	VARCHAR2	30	The apiauth value to use for Linux HA signon. This should match the value specified in the ha.cfg file.
MEDIA_PROXY_IP	RAW	16	The "public" IP address of the media proxy node.
MEDIA_AGENT_PORT	NUMBER	22	The port on the media proxy node in which to connect to the agent.
HA_ENABLED_MEDIA_PROXY	CHAR	1	Denotes whether or not Linux HA is enabled for media proxy nodes.
HA_MEDIA_APIAUTH	VARCHAR2	30	The apiauth value to use for Linux HA signon. This should match the value specified in the ha.cfg file.
HA_SIG_IPRESOURCE	VARCHAR2	50	The ID of the ip resource in for Linux HA. This should match the value specified in the cib.xml file.

HA_MEDIA_IPRESOURCE	VARCHAR2	50	The ID of the ip resource in for Linux HA. This should match the value specified in the cib.xml file.
HA_SIG_UDPPORT	NUMBER	22	The UDP port to use for HA communication.
HA_MEDIA_UDPPORT	NUMBER	22	The UDP port to use for HA communication.
CONFIG_VERSION	NUMBER	22	Identifier used to correlate config changes between the call processor and proxy nodes.
MEDIA_START_PORT	NUMBER	22	The first available port for the media proxy.
NUMBER_OF_MEDIA_PORTS	NUMBER	22	The number of ports available to the media proxy.
CALL_INACTIVITY_TIMEOUT	NUMBER	22	The number of hours to wait on an inactive call before it is cleaned up.
HEADER_USAGE	NUMBER	22	Integer value representing the usage of either From (0) or P-Asserted-Identity and Privacy (1) headers.
ADDRESS_FORMATTING	NUMBER	22	Integer value representing the usage of either Phone Number (0) or URI (1) formatting.
MEDIA_PROXY_ENABLED	CHAR	1	Denotes whether or not the media proxy is enabled.
HA_SIGNAL_CHECKPOINT_PORT	NUMBER	22	The UDP port for signal proxy checkpoint comm.
HA_MEDIA_CHECKPOINT_PORT	NUMBER	22	The UDP port for media proxy checkpoint comm.
NAT_SV_SDP	NUMBER	22	Whether the Sensor should NAT Session Version or not 0 -- Do not NAT Session Version (Default) 1 -- NAT Session Version

SSB_TRUNKS

Contains the SIP trunk configuration information for the SIP appliance.

Column	Type	Length	Comment
SSB_OID	CHAR	32	The foreign key to the ssb_sensor TABLE.
SEQ	NUMBER	22	The unique sequence numbers.

PROTOCOLS	NUMBER	22	Value denoting which protocols are allowed.
			    0x01 - UDP
			    0x02 - TCP
			    0x04 - TLS

LOCAL_SERVER_TYPE	CHAR	1	Specifies how the value of local_server_def should be parsed.
LOCAL_SERVER_DEF	VARCHAR2	255	The string representation of the "local side" proxy or server.
REMOTE_SERVER_TYPE	CHAR	1	Specifies how the value of remote_server_def should be parsed.
REMOTE_SERVER_DEF	VARCHAR2	255	The string representation of the "remote side" proxy or server.

LOCAL_ADDR	RAW	16	The IP address to use for the "local" side of the signal proxy.
LOCAL_PORT	NUMBER	22	
REMOTE_ADDR	RAW	16	The IP address to use for the "remote" side of the signal proxy.
REMOTE_PORT	NUMBER	22	
LOCAL_MEDIA_ADDR	RAW	16	The IP address to use for the local side of the media proxy.
REMOTE_MEDIA_ADDR	RAW	16	The IP address to use for the remote side of the media proxy.

STRING_BASED_FILTER

This table represents the definition of a filter over text.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SUB_STRING	VARCHAR2	255	The substring to search for.
IGNORE_CASE	NUMBER	22	Whether the sub-string is case insensitive.
EXACT_MATCH	NUMBER	22	Whether to perform a string match or substring match.

SUBNET_RULE_OBJ

Contains subnets used for matching media on VoIP calls.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
INET_ADDR	RAW	16	The IP section of this subnet mask
MASK	RAW	16	The IP section of this subnet mask
PREFIX_OR_MASK	CHAR	1	Specifies if the subnet_mask value is a prefix length or a IPv4-style subnet mask. Valid non-null values are: P = Prefix length M = IPv4 Subnet Mask (e.g. 255.255.255.0)

SUBNET_RULE_OBJ_GROUP

Contains the members of subnet groups.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SEQUENCE	NUMBER	22	Sequence number used to enumerate the row

MEM_OID	VARCHAR2	64	The OID of the subnet object contained in the group
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Data Instance.
RULE_OBJ_ID	VARCHAR2	64	The string representation of the subnet object ID contained in the group

SUMMARY

This table stores the definitions for an element`s aggregate functions.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
AGGREGATE_TYPE	NUMBER	22	The type of aggregate function (min, max, avg, sum, count, utilization, peak utilization). 0 = average 1 = count 2 = max 3 = min 4 = peak utilization 5 = sum 6 = average utilization
ROW_NDX	NUMBER	22	A lookup value which identifies what kind of element this function is used in. 0 = call log 1 = diagnostic log
COL_NDX	NUMBER	22	A lookup value which identifies the column that this function is evaluated over. The interpretation of the column depends upon the row_ndx.

SWITCH

Contains the list of Switch objects defined in the system. A single row will exist for each Switch defined. 0 or more rows may exist for an ETM(R) Management Server application.

Column	Type	Length	Comment
SWITCH_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
STATE	CHAR	1	The state of the switch. Valid values: A - Initialized D - Deleted
SWITCH_ID	NUMBER	22	An ID used to uniquely identify a switch in the system.
SWITCH_NAME	VARCHAR2	50	The user-defined name for a switch.
SMDR_PROVIDER	CHAR	12	The MAC Address of the card which acts as an SMDR provider for the switch.

DATA_BITS	NUMBER	22	The data bits setting for the PBX SMDR serial port. Valid values:
			    0 - 7 Bits
			    1 - 8 Bits

PARITY	NUMBER	22	The parity setting for the PBX SMDR serial port.
			Valid values:
			    0 - Even
			    1 - Odd
			    2 - None
			    3 - Mark

STOP_BITS	NUMBER	22	The stop bits setting for the PBX SMDR serial port.
			Valid values:
			    0 - 1 Bits
			    1 - 2 Bits

BAUD_RATE	NUMBER	22	The baud rate setting for the PBX SMDR serial port.
			Valid values:
			    0 - 300 baud
			    1 - 1200 baud
			    2 - 2400 baud
			    3 - 4800 baud
			    4 - 9600 baud
			    5 - 19200 baud
			    6 - 38400 baud
			    7 - 57600 baud
			    8 - 115200 baud

PBX_TIME_OFFSET	NUMBER	22	The number of seconds of offset between the PBX and the appliance.
SMDR_FILENAME	VARCHAR2	100	The filename of the SMDR Parse file.

AUTO_DRIFT	CHAR	1	Boolean value indicating if automated drift calculation should be enabled.
			Valid values:
			    "0" - false
			    "1" - true

ACS_OID	CHAR	32	The oid of the Access Code Set, if specified.

SMDR_TYPE	NUMBER	22	Denotes the type of interface to the SMDR provider:
			    0 - Serial
			    1 - IP

SMDR_IP_TYPE	NUMBER	22	Denotes the specific type of the IP SMDR Provider:
			    1 - Syslog
			    2 - Unfiltered

SMDR_IP_PORT	NUMBER	22	The listener port for receiving SMDR data from the IP network.

RECORD_REQUIRE_SMDR_MAT CH	CHAR	1	Boolean value indicating if smdr is required to save the recording.
			Valid values:
			    "0" - false
			    "1" - true

SMDR_MODE	NUMBER	22	Bitmask value that denotes what actions to take when SMDR is received. Valid values: 0x00 - Take no action. 0x01 - Process SMDR (normal mode). 0x02 - Record SMDR records received.
SMDR_MATCH_ACTION	NUMBER	22	0= Delete, 1 = Save, 2 = Sensitive Action to take when SMDR matches
SMDR_NO_MATCH_ACTION	NUMBER	22	0= Delete, 1, Save, 2 = Sensitive Action to take when SMDR does not match
SMDR_TIMEOUT_ACTION	NUMBER	22	0= Delete, 1, Save, 2 = Sensitive, 3 = Potentially Sensitive Action to take when SMDR response times out.

SWITCH_CONTENTS

Maps a Switch Object to its child objects. Its children may be spans of NFAS Groups. 0 or more rows may exist for a Switch Object.
  0 or more rows may exist for an ETM(R) Management Server.

Column	Type	Length	Comment
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
SWITCH_OID	CHAR	32	The Object ID for the Switch whose contents are being defined.
GROUP_OID	CHAR	32	The Object ID of a child NFAS Group.
SENSOR_OID	CHAR	32	The Object ID of a child span.
STATE	CHAR	2	Flag to indicate the status of this contents record. "A" indicates an active row, while "D" indicates deleted.

SWITCH_PROTECTED_EXTS

Contains the protected extensions for the specified switch.

Column	Type	Length	Comment
SWITCH_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
IDX	NUMBER	22	The 0-based offset of this protected extension.
EXTENSION	VARCHAR2	100	The user-specified Extension number that should not get recorded

SWITCH_SMDR

SMDR replacement is support on a switch basis. These are the rules regarding search/replace of the smdr data in order to convert it to a phone number.

Column	Type	Length	Comment
SWITCH_OID	CHAR	32	The oid of the switch for which this data pertains.

Column	Type	Length	Comment
POSITION	NUMBER	22	The index of this rule in the list of smdr rules.
FIND_STR	VARCHAR2	20	The string for which to search.
REPLACE_STR	VARCHAR2	20	String to add to the phone number.
AREA_CODE	VARCHAR2	10	Area code to use for the phone number.

SWITCH_SMDR_IP_ADDR

Contains the IP addresses of IP SMDR providers for a switch.

Column	Type	Length	Comment
SWITCH_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SMDR_IP_ADDRESS	RAW	16	The IP address of an IP SMDR provider.

SYSLOG_SERVERS

Contains a list of properties required to identify a syslog server.

Column	Type	Length	Comment
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
HOST	RAW	16	The IP Address.
PORT	NUMBER	22	The port number.
SERVER_NAME	VARCHAR2	255	The IP Address.

SYSTEM_RULE_OBJ

Class information for instantiating system-defined rule objects.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
RULE_OBJ_ID	VARCHAR2	64	The string representation of the object ID
CLASS_NAME	VARCHAR2	255	The Java class name of the object to instantiate

T1_SENSOR

Contains configuration information for each T1 appliances. A single row will exist for each T1 Appliances. 0 or more rows may exist for an ETM(R) Management Server.

Column	Type	Length	Comment
SENSOR_OID	CHAR	32	Object ID that uniquely identifies a row in this table.

LINE_LENGTH_2_CO	NUMBER	22	The line length to the CO.

Valid values:
  0 - Long Haul
  1 - Short Haul (0 - 110 ft)
  2 - Short Haul (110 - 220 ft)
  3 - Short Haul (220 - 330 ft)
  4 - Short Haul (330 - 440 ft)
  5 - Short Haul (440 - 550 ft)
  6 - Short Haul (550 - 660 ft)
  7 - TR62411 Long Haul
  8 - TR62411 (0 - 110 ft)
  9 - TR62411 (110 - 220 ft)
  10 - TR62411 (220 - 330 ft)
  11 - TR62411 (330 - 440 ft)
  12 - TR62411 (440 - 550 ft)
  13 - TR62411 (550 - 660 ft)
  14 - 7.5 db LBO
  15 - 15.0 db LBO
  16 - 22.5 db LBO

LINE_LENGTH_2_PBX	NUMBER	22	The line length to the PBX.

Valid values:
  0 - Long Haul
  1 - Short Haul (0 - 110 ft)
  2 - Short Haul (110 - 220 ft)
  3 - Short Haul (220 - 330 ft)
  4 - Short Haul (330 - 440 ft)
  5 - Short Haul (440 - 550 ft)
  6 - Short Haul (550 - 660 ft)
  7 - TR62411 Long Haul
  8 - TR62411 (0 - 110 ft)
  9 - TR62411 (110 - 220 ft)
  10 - TR62411 (220 - 330 ft)
  11 - TR62411 (330 - 440 ft)
  12 - TR62411 (440 - 550 ft)
  13 - TR62411 (550 - 660 ft)
  14 - 7.5 db LBO
  15 - 15.0 db LBO
  16 - 22.5 db LBO

LINE_CODING	NUMBER	22	The line coding for the span.

Valid values:
  0 - None
  1 - AMI - Alternate Mark Inversion
  2 - B8ZS - Bipolar 8 Zero Substitution

FRAMING_FORMAT	NUMBER	22	The framing format for the span.

Valid values:
  0 - None
  1 - SF - Super Frame
  2 - ESF - Extended Super Frame

CLOCK_SOURCE	NUMBER	22	Clock source setting at PBX. Only valid for series 1000 appliances.

Valid values:
  0 - CO
  1 - PBX

TELCO_DELAY	NUMBER	22	The millisecond amount of time before notification that the trunk is down is sent to the Diagnostic Log. Valid range: 0 - 3600000 (1 hour).

Column	Type	Length	Comment
PT_MODE	NUMBER	22	The pass-through mode for the span. Valid values: 0 - OFF 1 - ON 2 - AUTO
PT_TIMEOUT_ENABLED	CHAR	1	Boolean value indicating if the pass-through timeout is enabled when the pass-through mode is set to AUTO. Valid values: "0" - false "1" - true
PT_TIMEOUT	NUMBER	22	The time in seconds before disabling pass-through mode when pass-through mode is set to AUTO. Valid range: 1 - 60000.
MANUAL_INLINE	CHAR	1	Boolean value indicating if appliance automatically goes back inline after reboot. Valid values: "0" - false "1" - true

TEMPLATE_DEFINITION

This table stores the definitions of report templates.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
FROM_DATE	DATE	7	The beginning point for the time range.
TO_DATE	DATE	7	The ending point for the time range.
RANGE_OID	CHAR	32	Object ID that identifies a relative date range.
ORIENTATION	NUMBER	22	The page orientation (from java.awt.print.PageFormat) 0 = landscape 1 = portrait
IAX	NUMBER	22	The x coordinate of the upper-left corner of the page`s imageable area.
IAY	NUMBER	22	The y coordinate of the upper-left corner of the page`s imageable area.
IAW	NUMBER	22	The width of the page`s imageable area.
IAH	NUMBER	22	The height of the page`s imageable area.
SW	NUMBER	22	The width of the page`s size.
SH	NUMBER	22	The height of the page`s size.
HAS_TITLE	NUMBER	22	Whether the template has a title page.
HAS_TOC	NUMBER	22	Whether the template has a table of contents page.
HAS_PAGE_NUMBER	NUMBER	22	Whether the template has page numbers.

PAGE_NUMBER_POSITION	NUMBER	22	The position of page numbers on the page.

TEMPLATE_SHEETS

This table stores the different user document sheets (header, footer, title) for a given template.

Column	*Type*	*Length*	*Comment*
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TYPE	NUMBER	22	Whether this sheet is the header, footer, or title. 　　0 = header 　　1 = footer 　　2 = title
STATE	NUMBER	22	Whether this sheet is undefined, custom, or default. 　　3 = none 　　4 = custom 　　5 = default
DATA	BLOB	4000	The data definition for this sheet.

TERMINATIONS

This table stores the disposition of a call with respect to termination within the ETM system.

Column	*Type*	*Length*	*Comment*
CALL_OID	NUMBER	22	Object ID that uniquely identifies a row in this table. These values can be mapped to the call table using this column.
DISPOSITION	NUMBER	22	The disposition of what ETM did to the call represented by a bit field: 　　0 = TERMINATED 　　1 = TERMINATE_DISABLED 　　2 = ALLOW 　　3 = TERM_FAILED_CALL_ENDED
PROTECTIONS	NUMBER	22	The ETM module(s) that acted that affected the disposition represented by a bit field: 　　0 = USER 　　1 = TELEWALL_RULE 　　2 = TELEVPN_RULE 　　3 = ADP_RULE

TIME_OF_DAY

Contains the time of day specification for a given time object.

Column	*Type*	*Length*	*Comment*
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SEQUENCE	NUMBER	22	sequence number used to enumerate the row
FROM_TIME	VARCHAR2	5	The lower bound of the time range

Column	Type	Length	Comment
TO_TIME	VARCHAR2	5	The upper bound of the time range

TIME_RULE_OBJ

Contains the top-level definition of time objects and time groups.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SUBTYPE	NUMBER	22	The subtype of the time object 4 = Time 5 = Time group

TIME_RULE_OBJ_GROUP

Contains the members of time groups.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SEQUENCE	NUMBER	22	Sequence number used to enumerate the row
MEM_OID	VARCHAR2	64	The OID of the time object contained in the group
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Data Instance.
RULE_OBJ_ID	VARCHAR2	64	The string representation of the time object ID contained in the group

TIME_VAL_RULE_OBJ

Contains attributes of time objects.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
DAYS_SPEC_IND	NUMBER	22	Indicates if the time is specified in days of the week or days of the month 1 = Days of the month 2 = Days of the week

TRACK_ACTIONS

This table stores that association between system-events and the corresponding tracking rules.

Column	Type	Length	Comment
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
TYPE	NUMBER	22	The type of Error, as identified in msg_ids.xls.

SUBTYPE	NUMBER	22	The subtype of Error, as identified in msg_ids.xls.
TRACKING_RULE_ID	VARCHAR2	64	The rule_object_id of the track that has been assigned to this event.
FILTER_OID	CHAR	32	The oid of the tracks filter, or null if it has no filter.

TRACK_FILTERS

This table stores a user-created system event track filter definition,

Column	Type	Length	Comment
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
OID	CHAR	32	The oid for this filter reference, as created by the system when it was added to the database
NAME	VARCHAR2	50	The name of the filter, assigned by the user
COMMENTS	VARCHAR2	255	An optional comment, supplied by the user
FILTER_OID	CHAR	32	The OID of the actual filter stored in the report tables

TRACK_RULE_OBJ

Contains the top-level definition of track object.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SUBTYPE	NUMBER	22	The subtype of the track object 6 = Email 7 = Page 12 = SNMP Trap

TRANSFORM

This table stores the definitions for an element`s column transforms.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TYPE	NUMBER	22	The type of transform (normal, calendar, number, letter).
DATA	NUMBER	22	The data specific to the type of transform (e.g. size, length, etc.). 0 = calendar 1 = letter 2 = number 3 = normal

TRIGGER_LOG

This table stores the rule-fire events that occur for the calls in the CALL table.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	Object ID that uniquely identifies a row in this table. These values can be mapped to the call table using this column.
SEQUENCE	NUMBER	22	The one-up value of this rule log. Calls may fire multiple rules and this column is used to track the sequence.
POLICY_OID	CHAR	32	The oid of the TeleWall policy from which the rule fired. This oid can be referenced in the policy table to return more information about the policy.
RULE_NUM	NUMBER	22	The rule number of the rule that fired.
AMBIGUOUS	CHAR	1	Boolean value indicating if the rule fired ambiguously Valid values: "0" - false "1" - true

TWMS_USER

Contains user configuration information. Each row represents a single user of the ETM(R) System. 1 or more rows will exist for each ETM(R) Management Server.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
ACCOUNT_NAME	VARCHAR2	25	The account name for a user.
PASSWORD	VARCHAR2	128	The hashed password.
FULL_NAME	VARCHAR2	128	The full name of the user.
HOME_PHONE	VARCHAR2	30	The home phone number for the user.
WORK_PHONE	VARCHAR2	30	The work phone number for the user.
PAGER_NUM	VARCHAR2	30	The pager number for the user.
EMAIL	VARCHAR2	100	The email address for the user.
MODIFY_SERVER	CHAR	1	Boolean value indicating if the user has permission to modify the server configuration. Valid values: "0" - false "1" - true
MODIFY_USERS	CHAR	1	Boolean value indicating if the user has permission to modify user configuration. Valid values: "0" - false "1" - true

EDIT_POLICIES	CHAR	1	Boolean value indicating if the user has permission to modify policy. Valid values: "0" - false "1" - true
EDIT_SENSORS	CHAR	1	Boolean value indicating if the user has permission to modify appliance configuration. Valid values: "0" - false "1" - true
LOGIN_SENSORS	CHAR	1	Boolean value indicating if the user has permission to login to appliances. Valid values: "0" - false "1" - true
EXECUTE_KILL	CHAR	1	Boolean value indicating if the user has permission to terminate calls. Valid values: "0" - false "1" - true
ACCOUNT_DISABLED	CHAR	1	Boolean value indicating if the user account is disabled. Valid values: "0" - false "1" - true
POLICY_EXEMPT	CHAR	1	Boolean value indicating if the user account is exempt from the password security policy. Valid values: "0" - false "1" - true
CHANGE_DISALLOWED	CHAR	1	Boolean value indicating if the user is allowed to change their password. Valid values: "0" - false "1" - true
FORCE_CHANGE	CHAR	1	Boolean value indicating if the user must change their password at next login. Valid values: "0" - false "1" - true
PASSWORD_DATE	NUMBER	22	The date on which the user last change their password.
SCHED_RPT_ADMIN	CHAR	1	Boolean value indicating if the user has permission to administer all scheduled report tasks. Valid values: "0" - false "1" - true
ACCESS_DIRECTORY	CHAR	1	Boolean value indicating if the user has permission to access the Directory Manager tool. Valid values: "0" - false "1" - true
MODIFY_DIRECTORY	CHAR	1	Boolean value indicating if the user has permission to modify the Directory Manager tool. Valid values: "0" - false "1" - true
ACCESS_INFRA_MANAGER	CHAR	1	Boolean value indicating if the user has permission to access the infrastructure manager tool. Valid values: "0" - false "1" - true

RECORD_POLICY	CHAR		1	Boolean value indicating if the user has limited permission to manage call recording policies. Valid values: "0" - false "1" - true
ACCESS_USAGE_MANAGER	CHAR		1	Boolean value indicating if the user has permission to access the usage manager tool. Valid values: "0" - false "1" - true
FIREWALL_POLICY	CHAR		1	Boolean value indicating if the user has limited permission to manage firewall policies. Valid values: "0" - false "1" - true
VPN_POLICY	CHAR		1	Boolean value indicating if the user has limited permission to manage vpn policies. Valid values: "0" - false "1" - true
ANOMALY_POLICY	CHAR		1	Boolean value indicating if the user has limited permission to manage anomaly policies. Valid values: "0" - false "1" - true
FIREWALL_POLICY_FULL	CHAR		1	Boolean value indicating if the user has full permission to manage firewall policies. Valid values: "0" - false "1" - true
ANOMALY_POLICY_FULL	CHAR		1	Boolean value indicating if the user has full permission to manage anomaly policies. Valid values: "0" - false "1" - true
VPN_POLICY_FULL	CHAR		1	Boolean value indicating if the user has full permission to manage vpn policies. Valid values: "0" - false "1" - true
RECORD_POLICY_FULL	CHAR		1	Boolean value indicating if the user has full permission to manage call recording policies. Valid values: "0" - false "1" - true
MANAGE_ACCESS_CODES	CHAR		1	Boolean value indicating if the user has permission to manage access code sets. Valid values: "0" - false "1" - true
VIEW_ACCESS_CODES	CHAR		1	Boolean value indicating if the user has permission to view access codes. Valid values: "0" - false "1" - true
SCHED_RPT_WEB	CHAR		1	Boolean value indicating if the user has permission to schedule reports via WebETM. Valid values: "0" - false "1" - true

TELEAUDIT_FULL	CHAR	1	Boolean value indicating if the user has full permissions over reports. This includes the ability to schedule, edit, and view reports for any user and save or copy those reports to any user private folder. Valid values: "0" - false "1" - true
USE_LDAP	CHAR	1	Boolean value indicating if the user uses LDAP for authentication. Valid values: "0" - false "1" - true
LDAP_LOGIN	VARCHAR2	255	The LDAP login associated with this user.
EXP_PWD_CHG_ATTMPTS	NUMBER	22	Number of expired password change attempts for the user. Default value must be -1.
USER_CHANGED_PWD	CHAR	1	Boolean value indicating the user changes the password. Valid values: "0" - false "1" - true
CERT	VARCHAR2	4000	The Certificate associated with this user
CERT_GUID	VARCHAR2	255	The Certificate GUID associated with this user
USE_DEFAULT	CHAR	1	Boolean value indicating if the user uses the default authentication. Valid values: "0" - false "1" - true
USE_CAC	CHAR	1	Boolean value indicating if the user uses CAC for authentication. Valid values: "0" - false "1" - true

USER_PASSWORDS

Contains a list of historical user passwords. The OID will map to a the OID of a user in the TWMS_USER table. 0 or more entries will exist for each ETM(R) Management Server application and user.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
PASSWORD_INDEX	NUMBER	22	An index that indicates that historical order of a password.
PASSWORD	VARCHAR2	128	The hashed password.

VALID_SENSOR_IP

Contains the list of IP Addresses for appliances that are allowed to communicate with an ETM(R) Management Server application. 0 or more rows will exist for each application.

Column	Type	Length	Comment
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.

INET_ADDR	RAW	16	The IP address of an appliance that is allowed to communicate with an ETM(R) Management Server.
SUBNET_MASK	RAW	16	The prefix length or subnet mask if the value is a subnet.
PREFIX_OR_MASK	CHAR	1	Specifies if the subnet_mask value is a prefix length or a IPv4-style subnet mask. Valid non-null values are: P = Prefix length M = IPv4 Subnet Mask (e.g. 255.255.255.0)

VOIP_CODECS

Contains a list of codecs, one per row. These are the sum total of all codecs known for the voip product.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
CODEC_NAME	VARCHAR2	64	The user-defined name for the codec.
IDENTIFIER	VARCHAR2	64	The RTP identifier for the codec.
PAYLOAD_TYPE	NUMBER	22	The RTP payload type identifier for the codec
SAMPLE_RATE	NUMBER	22	The sample rate used by this codec
CHANNELS	NUMBER	22	The number of channels of data streamed by this codec
CLASSIFICATION	NUMBER	22	The classification of this codec 0 - unknown 1 - voice 2 - video 3 - fax
PACKET_DELAY	NUMBER	22	The expected time between packets for this codec.
PAYLOAD	NUMBER	22	The number of bytes expected in each packet
SOURCE	NUMBER	22	An enumeration defining the source of this codec definition: 0 - SecureLogix defined 1 - User defined 2 - Sensor defined
TRAFFIC_TYPE	NUMBER	22	An enumeration defining how traffic anomalies in this codec are determined: 0 - By packet count 1 - By bytes of payload seen 2 - By total bytes seen
TRAFFIC_MAX	NUMBER	22	The maximum traffic value before an anomaly is triggered
TRAFFIC_TIME	NUMBER	22	The period over which to average traffic values
PACKETLOSS_MAX	NUMBER	22	The maximum packet loss value before an anomaly is triggered

Column	Type	Length	Comment
PACKETLOSS_TIME	NUMBER	22	The period over which to average packet loss values
JITTER_MAX	NUMBER	22	The maximum jitter value before an anomaly is triggered
JITTER_TIME	NUMBER	22	The period over which to average jitter values

VOIP_PACKET_RULE

All the values necessary to define a packet rule for a VoIP span

Column	Type	Length	Comment
SENSOR_OID	CHAR	32	The foreign key for this table; it references a voip sensor
RULE_NUMBER	NUMBER	22	The rule number for this rule, indexed starting from 0.
SOURCE_IP	RAW	16	The source for this rule. It can be: - NULL, for ANY - An IP Address - The network part of a subnet mask (if source_mask is not NULL)
SOURCE_MASK	RAW	16	The source mask for this rule. It can be: - NULL, if the source is ANY or an IP address - The mask part of a subnet mask

SOURCE_PREFIX_OR_MASK	CHAR	1	Specifies if the source_mask value is a prefix length or a IPv4-style subnet mask. Valid non-null values are:
			   P = Prefix length
			   M = IPv4 Subnet Mask (e.g. 255.255.255.0)

SOURCE_PORT	NUMBER	22	The source port for this rule. 0 for ANY.
DEST_IP	RAW	16	The destination for this rule. It can be: - NULL, for ANY - An IP Address - The network part of a subnet mask (if dest_mask is not NULL)
DEST_MASK	RAW	16	The dest mask for this rule. It can be: - NULL, if the source is ANY or an IP address - The mask part of a subnet mask

DEST_PREFIX_OR_MASK	CHAR	1	Specifies if the dest_mask value is a prefix length or a IPv4-style subnet mask. Valid non-null values are:
			   P = Prefix length
			   M = IPv4 Subnet Mask (e.g. 255.255.255.0)

DEST_PORT	NUMBER	22	The dest port for this rule. 0 for ANY.
PROTOCOL	NUMBER	22	the protocol this rule applies to. It can be: - 0: ANY - 1: UDP - 2: TCP
ACTION	NUMBER	22	the action to take when packets match this rule. It can be: - 0: ALLOW - 1: DROP

VOIP_PROXIES

A single proxy for a voip span

Column	Type	Length	Comment
SENSOR_OID	CHAR	32	The foreign key for this table; it references a voip sensor
PROXY_NUMBER	NUMBER	22	Used just to order proxies
IP	RAW	16	The IP address of the proxy or gateway
PORT	NUMBER	22	the port used when communicating with this proxy
SERVICE	NUMBER	22	the service this proxy handles. Can be: - 0, SIP - 1, H.323
PRIORITY_LEVEL	NUMBER	22	the level at which this proxy operates. Can be: - 0, Primary - 1, Secondary

VOIP_ROUTE_RULE

A single routing rule for a VoIP span in NAT mode

Column	Type	Length	Comment
SENSOR_OID	CHAR	32	The foreign key for this table; it references a voip sensor
RULE_NUMBER	NUMBER	22	The rule number for this route, indexed starting from 0.
NET_IP	RAW	16	The IP part of the network definition.
NET_MASK	RAW	16	The mask part of the network definition.
GATEWAY	RAW	16	The gateway to use when routing packets
DEVICE	NUMBER	22	The device to use when routing packets
METRIC	NUMBER	22	The metric to use with this route, in hops. - Must be greater than 0

PREFIX_OR_MASK	CHAR	1	Specifies if the net_mask value is a prefix length or a IPv4-style subnet mask. Valid non-null values are:
			    P = Prefix length
			    M = IPv4 Subnet Mask (e.g. 255.255.255.0)

VOIP_SENSOR

All of the VoIP-specific values that can be configured for a VoIP span

Column	Type	Length	Comment
SENSOR_OID	CHAR	32	The foreign key for this table; it references a voip sensor

LIMIT_TYPE	NUMBER	22	The type of limiting done by the span: - 0: by number of calls - 1: by total bandwidth
LIMIT_VALUE	NUMBER	22	The value to limit by: if limit_type is 0: the maximum number of calls if limit_type is 1: the total bandwidth, in kilobytes/sec
PRIVATE_IP	RAW	16	The IP of the private interface, if in NAT mode
PRIVATE_SUBNET	RAW	16	The netmask of the private interface, if in NAT mode
PRIVATE_SIGNAL_PORT	NUMBER	22	The port used for signaling on the private interface, if in NAT mode
PRIVATE_MEDIA_PORT_START	NUMBER	22	The first port to be used for media on the private interface, if in NAT mode
PUBLIC_IP	RAW	16	The IP of the public interface, if in NAT mode
PUBLIC_SUBNET	RAW	16	The netmask of the public interface, if in NAT mode
PUBLIC_SIGNAL_PORT	NUMBER	22	The port used for signaling on the public interface, if in NAT mode
PUBLIC_MEDIA_PORT_START	NUMBER	22	The port used for signaling on the public interface, if in NAT mode
MEDIA_PORT_RANGE	NUMBER	22	the number of ports to reserve for media (on both interfaces), if in NAT mode
MAX_SIGNAL_RATE	NUMBER	22	The maximum number of signaling messages to be handled by the span in one second.
INTERFACE_MODE	NUMBER	22	The mode the spans interfaces act in: 0 or null - passive 1 - NAT
RELAYS_OPEN	CHAR	1	If the span fails, do the relays fail open or closed? 0 or null - closed 1 - open

MANUAL_INLINE	CHAR	1	Boolean value indicating if appliance automatically goes back inline after reboot.
			Valid values:
			    "0" - false
			    "1" - true

PRIVATE_PREFIX_OR_MASK	CHAR	1	Specifies if the private_subnet value is a prefix length or a IPv4-style subnet mask. Valid non-null values are:
			    P = Prefix length
			    M = IPv4 Subnet Mask (e.g. 255.255.255.0)

PUBLIC_PREFIX_OR_MASK	CHAR	1	Specifies if the public_subnet value is a prefix length or a IPv4-style subnet mask. Valid non-null values are:
			    P = Prefix length
			    M = IPv4 Subnet Mask (e.g. 255.255.255.0)

VOIP_STATS

Contains the voip statistic entries.

Column	Type	Length	Comment
OID	NUMBER	22	Value that uniquely identifies the row.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
TIMESTAMP	DATE	7	The start time of the minute interval for which this record represents.
SENSOR_OID	VARCHAR2	32	Object Identifier that maps to the appliance which gathered the statistics.
RATE_MAX_ALL	NUMBER	22	The maximum number of bits monitored by the device (sensor_oid) during a single second of the minute interval for all media traffic.
RATE_MAX_IN	NUMBER	22	The maximum number of bits monitored by the device (sensor_oid) during a single second of the minute interval for inbound media traffic.
RATE_MAX_OUT	NUMBER	22	The maximum number of bits monitored by the device (sensor_oid) during a single second of the minute interval for outbound media traffic.
RATE_MIN_ALL	NUMBER	22	The minimum number of bits monitored by the device (sensor_oid) during a single second of the minute interval for all media traffic.
RATE_MIN_IN	NUMBER	22	The minimum number of bits monitored by the device (sensor_oid) during a single second of the minute interval for inbound media traffic.
RATE_MIN_OUT	NUMBER	22	The minimum number of bits monitored by the device (sensor_oid) during a single second of the minute interval for outbound media traffic.
BYTES_IN	NUMBER	22	The total number of bytes monitored by the device (sensor_oid) during the minute interval for inbound media traffic.
BYTES_OUT	NUMBER	22	The total number of bytes monitored by the device (sensor_oid) during the minute interval for outbound media traffic.
PACKETS_IN	NUMBER	22	The total number of packets monitored by the device (sensor_oid) during the minute interval for inbound media traffic.
PACKETS_OUT	NUMBER	22	The total number of packets monitored by the device (sensor_oid) during the minute interval for outbound media traffic.
PACKETLOSS_IN	NUMBER	22	The amount of packet loss reported to the device (sensor_oid) during the minute interval for inbound media traffic.

PACKETLOSS_OUT	NUMBER	22	The amount of packet loss reported to the device (sensor_oid) during the minute interval for outbound media traffic.
JITTER_IN	NUMBER	22	The amount of jitter reported to the device (sensor_oid) during the minute interval for inbound media traffic.
JITTER_OUT	NUMBER	22	The amount of jitter reported to the device (sensor_oid) during the minute interval for outbound media traffic.
JITTER_ALL	NUMBER	22	An aggregate of the amount of jitter reported to the device (sensor_oid) during the minute interval for inbound and outbound media traffic.
STATE	NUMBER	22	Status of data from minute interval.

VOIP_SUMMARY

Contains a summary of statistics for each call in the database. There should be one row in this table for each row in the call table where traffic was actually observed.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	The OID of this call in the active_call table
IN_CODEC	VARCHAR2	255	the most-used codec for this call in the inbound direction
OUT_CODEC	VARCHAR2	255	the most-used codec for this call in the outbound direction
IN_BYTES	NUMBER	22	The total number of bytes inbound for all streams for the call
OUT_BYTES	NUMBER	22	The total number of bytes inbound for all streams for the call
IN_PACKLOSS	NUMBER	22	The total inbound packets lost for the call
OUT_PACKLOSS	NUMBER	22	The total outbound packets lost for the call
IN_JITTER	NUMBER	22	The average jitter for the call, inbound
OUT_JITTER	NUMBER	22	The average jitter for the call, outbound
IN_IP	RAW	16	The external IP associated with the most inbound traffic for the call
OUT_IP	RAW	16	The internal IP associated with the most outbound traffic for the call
IN_PACKETS	NUMBER	22	The total inbound packets transferred over the course of the call
OUT_PACKETS	NUMBER	22	The total outbound packets transferred over the course of the call

VPN_DEFAULT_AUDIO

The default set of announcements associated with a policy. This set of tones will be played to the user when a rule of a policy fires
 and the user specified Default for the audio column. Announcements are not yet supported in version 4.1.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
SEQUENCE	NUMBER	22	sequence number used to enumerate the row
VALUE	NUMBER	22	The enumerated annunciation.

VPN_LOG

This table store the VPN rule-fired events that occur for calls that reside in the CALL table.

Column	Type	Length	Comment
CALL_OID	NUMBER	22	Object ID that uniquely identifies a row in this table.
POLICY_OID	CHAR	32	The oid of the TeleVPN policy from which the rule fired. This oid can be referenced in the policy table to return more information about the policy.
RULE_NUM	NUMBER	22	The rule number of the rule that fired.
ENCRYPT_REQUEST	NUMBER	22	The type of encryption that was requested: 0 = CLEAR 1 = 3DES
ENCRYPT_ACTUAL	NUMBER	22	The type of encryption that actually occurred: 0 = CLEAR 1 = 3DES
TRANSMIT_MODE	NUMBER	22	The transmission mode status: 0 = DATA_CHANNEL_64K 1 = DATA_CHANNEL_56K 2 = TRANS_VOICE_CHANNEL_48K 3 = VOICE_CHANNEL_48K 4 = VOICE_CHANNEL_40K 5 = VOICE_CHANNEL_32K 6 = VOICE_CHANNEL_24K
RECEIVE_MODE	NUMBER	22	The receive mode status: 0 = DATA_CHANNEL_64K 1 = DATA_CHANNEL_56K 2 = TRANS_VOICE_CHANNEL_48K 3 = VOICE_CHANNEL_48K 4 = VOICE_CHANNEL_40K 5 = VOICE_CHANNEL_32K 6 = VOICE_CHANNEL_24K

CLEAR_DETAIL	NUMBER	22	The details on why the call was not encrypted: 0 = REQUESTED_CLEAR 1 = ACK_FAILURE 2 = NO_VPN_FOUND 3 = CONFLICT 4 = DATA_CALL 5 = RESOURCE_ERROR 6 = CALL_ENDED 7 = TIMEOUT 8 = IMPAIRMENTS 9 = MODE_EXHAUSTION 10 = LOST_SYNCH 11 = UNKNOWN_RESPONSE 12 = COMMAND_EXECUTION_ERROR 13 = UNKNOWN_VPN_ERROR
ATTRIBUTES	NUMBER	22	The attributes of the TeleVPN call: 0 = HIGH_ASSURANCE 1 = TRANSPARENT_PROTOCOL 2 = DSN_NUMBER_ADJUSTED 3 = DSN_NUMBER_UNADJUSTED

VPN_POLICY

Contains primary attributes of a TeleVPN policy.

Column	Type	Length	Comment
OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
POLICY_ID	VARCHAR2	64	the string representation of the policy ID
POLICY_NAME	VARCHAR2	30	the name of the policy
EMERG_OID	CHAR	32	the OID of the user-assigned emergency group object
DEFAULT_EMERG_OID	CHAR	32	the OID of the default emergency group object
MODIFY_DATE	DATE	7	the last modification date of the policy
MODIFY_USER	VARCHAR2	100	the user who last modified the policy
ORIG_CREATE_DATE	DATE	7	the create date of the policy
ORIG_CREATE_USER	VARCHAR2	100	the user who created the policy
PARENT_ID	VARCHAR2	64	the string representation of the policy ID of the base ancestor of the policy
POLICY_STATE	NUMBER	22	the policy state 1 = Saved 2 = Installed 3 = Historized

STATE	CHAR	1	the state A = Active D = Deleted

VPN_POLICY_ARRAYS

Contains the span groups that are assigned and/or enforcing a TeleVPN policy.

Column	*Type*	*Length*	*Comment*
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
TYPE	NUMBER	22	indicates whether or not the array is enforcing the policy or not 0 = assigned, but not necessarily enforcing 1 = current enforcing the policy
SEQUENCE	NUMBER	22	sequence number used to enumerate the row
RULE_OBJ_OID	CHAR	32	the OID of the span group

VPN_POLICY_FILES

Contains the TeleVPN policy files generated for each span group on which the policy is installed.

Column	*Type*	*Length*	*Comment*
TWMS_NAME	VARCHAR2	20	Name that uniquely identifies the rows pertaining to a particular ETM(R) Management Server application.
POLICY_ID	VARCHAR2	64	the string representation of the policy ID
ARRAY_ID	VARCHAR2	64	the string representation of the span group ID
POLICY_FILE	BLOB	4000	the generated policy file pushed to the appliances
GEN_DATE	DATE	7	the date the policy files was generated

VPN_POLICY_FILTERS

The "snapshot" of the directory filters and their contents that were at the time of policy file generation.

Column	*Type*	*Length*	*Comment*
POLICY_OID	CHAR	32	ID of a policy.
FILTER_OID	CHAR	32	The Object ID of a directory filter.
LISTING_OID	CHAR	32	The Object ID of a directory listing contained in the filter.

VPN_POLICY_PHONE_GROUP

The "snapshot" of the directory groups that were specified at the time of policy file generation.

Column	*Type*	*Length*	*Comment*

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
GROUP_OID	CHAR	32	The Object ID of a directory group.

VPN_POLICY_PHONE_NUM

The local number of the specified listing in the policy file.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
LISTING_OID	CHAR	32	The Object ID of a directory listing.
COUNTRY_CODE	VARCHAR2	5	The country code of the specified listing in the policy file.
AREA_CODE	VARCHAR2	8	The area code of the specified listing in the policy file.
LOCAL_NUM	VARCHAR2	36	The "snapshot" of the directory listings as they existed at the time of policy file generation.

VPN_POLICY_RULES

Contains the attributes and singular data values of TeleVPN policy rules.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
RULE_NUM	NUMBER	22	the rule number
DIRECTION	NUMBER	22	the call direction 0 = Any 1 = Inbound 2 = Outbound
ENCRYPT_OID	CHAR	32	the OID of the encryption object, specifying the type of encryption
IMPLIED_IND	CHAR	1	indicates whether or not the rule is an implied rule 0 = false 1 = true
DEFAULT_IND	CHAR	1	indicates whether or not the rule is a default rule 0 = false 1 = true
DELETEABLE	CHAR	1	indicates whether or not the rule is deleteable 0 = false 1 = true
MOVEABLE	CHAR	1	indicates whether or not the rule can be moved within the policy 0 = false 1 = true

HIDDEN	CHAR	1	indicates whether or not the rule is hidden in the policy rules display 0 = false 1 = true
ENABLED	CHAR	1	indicates whether or not the rule is enabled or not (masked) 0 = false 1 = true
ENFORCEMENT	NUMBER	22	indicates the enforcement state of the rule (applicable only when the policy is in an Installed state) 0 = the rule is enforced by all span groups as denoted in the Install On field 1 = the rule is enforce by only a subset of the span groups as denoted in the Install On field 2 = the rule is not currently enforced by any span group denoted in the Install On field
ENCRYPT_FLAGS	NUMBER	22	A masked integer, denoting some set of flags on the encryption field. This is reserved for future use. 0 = None 0x0001 = Transparent 0x0002 = DSN
WHICH_ANNOUNCE	NUMBER	22	Indicates which announcement to use 0 = None 1 = Use Default 2 = Use user-defined
TYPES_NEGATED	CHAR	1	indicates whether or not the types field is negated 0 = false 1 = true
COMMENTS	VARCHAR2	255	the comments

VPN_RULE_ANNOUNCE

The announcements specified in a rule of a policy. Announcements are to be played on the line so the party may receive feedback on the state of a call that is potentially encrypted via TeleVPN. Announcements are not yet supported in version 4.1.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
RULE_NUM	NUMBER	22	the rule number
ANNOUNCE_ENUM	NUMBER	22	The announcement 0 = None 1 = Tone

VPN_RULE_AUDIO

Similar to the vpn_default_audio table, but is configured for each rule and denotes whether to use a Tone announcement or some other audio announcement. Announcements are not yet supported in version 4.1.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
RULE_NUM	NUMBER	22	the rule number

SEQUENCE	NUMBER	22	sequence number used to enumerate the row
VALUE	NUMBER	22	The enumerated annunciation.

VPN_RULE_DATA

Contains the multi-valued data values of TeleVPN policy rules.

Column	Type	Length	Comment
POLICY_OID	CHAR	32	Object ID that uniquely identifies a row in this table.
RULE_NUM	NUMBER	22	the rule number
DATA_TYPE	NUMBER	22	the field specifier 1 = Source 2 = Destination 3 = Call Type 6 = Tracking
SEQUENCE	NUMBER	22	sequence number used to enumerate the row
RULE_OBJ_OID	CHAR	32	the OID of the object
OBJECT_TYPE	NUMBER	22	Specifies the type of object. Correlates to RuleObjectTypes. 0 = Call Type 1 = Contact 2 = Phone Number 4 = Span Group 5 = Time 6 = Tracking 7 = Wildcard (Any, None) 10 = Call Duration 11 = Caller ID Restricted 12 = AAA Service User 13 = TeleVPN Encryption
OBJECT_SUBTYPE	NUMBER	22	Specifies the subtype of object. Correlates to RuleObjectSubTypes.

X_ABBREVIATION_A

The table stores the numeric index and full text for various city, state, region, and country values.

Column	Type	Length	Comment
NDX	NUMBER	22	The abbreviation identifier.
TEXT	VARCHAR2	64	The full text for the abbreviation.

X_ABBREVIATION_B

The table stores the numeric index and full text for various city, state, region, and country values.

Column	Type	Length	Comment
NDX	NUMBER	22	The abbreviation identifier.

TEXT	VARCHAR2	64	The full text for the abbreviation.

X_EXCHANGE_TYPE_A

The table stores the numeric index and full description for the various call exchange types.

Column	Type	Length	Comment
NDX	NUMBER	22	The exchange type identifier.
TEXT	VARCHAR2	64	The full text for the exchange type.

X_EXCHANGE_TYPE_B

The table stores the numeric index and full description for the various call exchange types.

Column	Type	Length	Comment
NDX	NUMBER	22	The exchange type identifier.
TEXT	VARCHAR2	64	The full text for the exchange type.

X_LENGTHS_A

This table maintains summary data about the ccmi table;

Column	Type	Length	Comment
COUNTRY_CODE	VARCHAR2	3	The country code for a telephone number.
MINL	NUMBER	22	The minimum length of the area/city code for this country.
MAXL	NUMBER	22	The maximum length of the area/city code for this country.

X_LENGTHS_B

This table maintains summary data about the ccmi table;

Column	Type	Length	Comment
COUNTRY_CODE	VARCHAR2	3	The country code for a telephone number.
MINL	NUMBER	22	The minimum length of the area/city code for this country.
MAXL	NUMBER	22	The maximum length of the area/city code for this country.

X_RATING_AREA_A

The table stores the numeric index and full description for the various call rating areas.

Column	Type	Length	Comment
NDX	NUMBER	22	The rating area identifier.

Column	Type	Length	Comment
TEXT	VARCHAR2	64	The full text for the rating area.

X_RATING_AREA_B

The table stores the numeric index and full description for the various call rating areas.

Column	*Type*	*Length*	*Comment*
NDX	NUMBER	22	The rating area identifier.
TEXT	VARCHAR2	64	The full text for the rating area.

X_WORLD_ZONE_A

The table stores the numeric index and full description for the various call world zones.

Column	*Type*	*Length*	*Comment*
NDX	NUMBER	22	The world zone identifier.
TEXT	VARCHAR2	64	The full text for the world zone.

X_WORLD_ZONE_B

The table stores the numeric index and full description for the various call world zones.

Column	*Type*	*Length*	*Comment*
NDX	NUMBER	22	The world zone identifier.
TEXT	VARCHAR2	64	The full text for the world zone.